



The
University
of Sydney

'09

Medicine

handbook 2009



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Acknowledgements



The Arms of the University

Sidere mens eadem mutato

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

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Official course information

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

www.usyd.edu.au/handbooks
www.usyd.edu.au/calendar

Amendments

All authorised amendments to this handbook can be found at www.usyd.edu.au/handbooks/handbooks_admin/updates2009

Disability access

Accessible versions of this document in Microsoft Word are available at www.usyd.edu.au/handbooks/handbooks_disability/index

Resolutions

The Coursework Clause

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

The Research Clause

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

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

Disclaimers

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

Price

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

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Important dates

University semester and vacation dates for 2009

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

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

Last dates for withdrawal or discontinuation for 2009

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



How to use this handbook

What is a handbook?

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

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

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

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

What new students need to know

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

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

Where to find information

Course terminology

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

Dates

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

Contents and index

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

You'll find information like:

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

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

Colour-coded sections

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

Faculty rules and regulations

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

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

General University information

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

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

Course planner

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

Timetables

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

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

Students with a disability

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

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

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

Handbook updates

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

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

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



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Welcome to the Faculty of Medicine



I warmly welcome all new and continuing students to the Faculty of Medicine at the University of Sydney. This was the first and is the largest medical faculty in Australia. It is also part of Australia's most comprehensive cluster of health faculties, including Health Sciences, Dentistry, Nursing and Midwifery, and Pharmacy, which provides excellent opportunities for inter-professional learning and research.

It is one of the points of difference of this University that our teaching is research-led. For four years running, the University of Sydney has been ranked in the top 25 biomedical universities in the world by the *Times Higher Education Supplement*. The opportunity to study under the supervision of academics who are leaders in their fields attracts applicants from around the world.

Our aim is always that all students increase their knowledge and skills, including the ability to contribute to the acquisition of knowledge that they and those who follow them will use in medical and public health.

The graduate-entry University of Sydney Medical Program (USydMP) has won numerous teaching awards and the curriculum is licensed to universities in the UK, South Africa and the Middle East and to other universities in Australia. The USydMP provides a unique learning environment that nurtures communication, teamwork and evidence-based lifelong learning, essential for tomorrow's doctors.

The Faculty of Medicine provides a wide range of postgraduate courses for medical and non-medical professionals. In each of the programs on offer, students are able to build on their knowledge, expand their career options and ensure their level of skills enables them to be among the best in their profession.

The postgraduate programs cover a diverse range of subjects, from international public health to Indigenous health promotion, medical education to pain management. Courses in medical humanities help bring a human side to the practice of medicine, and complement more traditional programs in public health, epidemiology, infectious diseases and surgery.

Flexible modes of delivery include distance learning and face-to-face block-mode. Many courses are available for both full-time and part-time enrolment. In some, the curriculum is structured so that the graduate certificate, graduate diploma and master's degree are articulated. This allows students to transfer from one level to another with credit for coursework already completed.

The Faculty of Medicine has approximately 100 teaching hospitals and associated research units conducting cutting-edge research and education across the full spectrum of health and medical knowledge, from the medical sciences to clinical medicine, public health and leadership in large international clinical trials, health service delivery and medical education.

Our research activities consistently attract high levels of funding – around \$90 million in 2008 – from the federal and state governments, overseas funding agencies and other public and private funding sources.

The faculty has over 1700 academic staff and 800 higher degree research students, and our research output ranks highly internationally and translates into major advances in healthcare.

I hope that you find this handbook useful and trust that your time as a student will be rewarding.

Professor Bruce Robinson
Dean



1. About this handbook

The handbook is a starting place for information on your course, what is required to complete your course, and course-specific information such as content and assessment. It also contains information on where to find out more about any aspect of your course.

Structure of the handbook

Faculty-wide information

As well as contact details, **chapter 2** gives a brief history of the Faculty of Medicine. The faculty is divided into schools, and contact details for each school can be found in this chapter. From the schools you can find the contact details of the more than 1700 academic-level staff in the faculty, those who undertake the teaching and research.

Chapter 3 provides general information on topics such as assessment, plagiarism, student conduct and appeals, and where to find more information on these subjects.

Undergraduate information

Chapters 4 to 6 (the ivory section) cover the USydMP.

Course-specific information is covered in **chapter 4**.

The resolutions that govern each course are given in **chapter 5**.

The details of all the units of study – the basic building blocks of any course – are listed in **chapter 6**.

Postgraduate information

Chapters 7 to 31 (the blue section) cover the postgraduate courses.

Research is covered in **chapter 7** and an introduction to coursework in **chapter 8**.

Course-specific information is given in **chapters 9 to 29**.

Governance and the resolutions for each course are in **chapter 30**.

Chapter 31 gives a full description of all the units of study.

University information

Relevant general University rules and information comprise the rest of the handbook, with an index and course planner at the end.

Bachelor of Medicine and Bachelor of Surgery

The University of Sydney Medical Program (USydMP)

The Bachelor of Medicine and Bachelor of Surgery (MBBS) is an undergraduate degree, even though people doing the MBBS must have completed an undergraduate degree before admission.

Information on the MBBS is in the chapters on undergraduate studies, **chapters 4-6**.

Postgraduate courses include graduate certificates, graduate diplomas, master's degrees and doctorates.

Who to contact

USydMP

For the MBBS program, please direct all queries to the Medical Program Administration Unit of the Student Services Unit (SSU).

See **chapter 2** for contact details or visit the website:
www.medfac.usyd.edu.au/currentstudent/med/contacts.php.

Academic matters for postgraduate coursework courses

Information on all other coursework programs, course content, timetables, assessment and other academic matters, can be obtained from the relevant course coordinator (see **chapters 9 to 29** for details).

Administrative queries for postgraduate courses

For any administrative queries for postgraduate courses, such as scholarships, admission, enrolment and suspensions, please contact the Postgraduate Student Administration Unit of the Student Services Unit – see **chapter 2** for contact details or visit the website:
www.foh.usyd.edu.au/postgrad.



2. Guide to the faculty

Degrees and diplomas in Medicine

1. The degrees in the Faculty of Medicine shall be:
 - 1.1 Bachelor of Medicine (MB)
 - 1.2 Bachelor of Surgery (BS)
 - 1.3 Doctor of Medicine (MD)
 - 1.4 Doctor of Philosophy (PhD)
 - 1.5 Doctor of Public Health (DPH)
 - 1.6 Master of Bioethics (MBEth)
 - 1.7 Master of Bioethics (Honours) (MBEthHon)
 - 1.8 Master of Biostatistics (MBiostat)
 - 1.9 Master of Health Policy (MHPol)
 - 1.10 Master of Indigenous Health Promotion (Substance Use) (MIndigH(SubUse))
 - 1.11 Master of International Ophthalmology (MIOphth)
 - 1.12 Master of International Public Health (MIIntPH)
 - 1.13 Master of Medical Education (MMedEd)
 - 1.14 Master of Medical Humanities (MMedHum)
 - 1.15 Master of Medicine (MMed)
 - 1.16 Master of Philosophy (MPhil)
 - 1.17 Master of Public Health (MPH)
 - 1.18 Master of Science in Medicine (MScMed)
 - 1.19 Master of Surgery (MS)
2. The combined degrees in the Faculty of Medicine shall be:
 - 2.1 Bachelor of Arts (Advanced) (Honours)/Bachelor of Medicine and Bachelor of Surgery (BA(Advanced)(Hons)/MBBS)
 - 2.2 Bachelor of Commerce/Bachelor of Medicine and Bachelor of Surgery (BCommerce/MBBS)
 - 2.3 Bachelor of Economics/Bachelor of Medicine and Bachelor of Surgery (BEcon/MBBS)
 - 2.4 Bachelor of Medical Science/Bachelor of Medicine and Bachelor of Surgery (BMedSc/MBBS)
 - 2.5 Bachelor of Music Studies/Bachelor of Medicine and Bachelor of Surgery (BMusSt/MBBS)
 - 2.6 Bachelor of Science (Advanced)/Bachelor of Medicine and Bachelor of Surgery (BSc(Advanced)/MBBS)
3. The diplomas in the Faculty of Medicine shall be:
 - 3.1 Advanced Diploma in Indigenous Primary Health Care (AdvDipIndigPrimHC)
 - 3.2 Diploma in Indigenous Primary Health Care (DipIndigPrimHC)
 - 3.3 Graduate Diploma in Bioethics (GradDipBEth)
 - 3.4 Graduate Diploma in Biostatistics (GradDipBiostat)
 - 3.5 Graduate Diploma in Health Policy (GradDipHPol)
 - 3.6 Graduate Diploma in Indigenous Health Promotion (GradDipIndigHProm)
 - 3.7 Graduate Diploma in Infection and Immunity (GradDipInfImm)
 - 3.8 Graduate Diploma in International Ophthalmology (GradDipIOphth)
 - 3.9 Graduate Diploma in International Public Health (GradDipIntPH)
 - 3.10 Graduate Diploma in Medical Education (GradDipMedEd)
 - 3.11 Graduate Diploma in Medical Humanities (GradDipMedHum)
 - 3.12 Graduate Diploma in Medicine (GradDipMed)
 - 3.13 Graduate Diploma in Public Health (GradDipPH)
 - 3.14 Graduate Diploma of Science in Medicine (GradDipScMed)
 - 3.15 Graduate Diploma in Surgery (GradDipSurg)
4. The certificates in the Faculty of Medicine shall be:
 - 4.1 Graduate Certificate in Bioethics (GradCertBEth)
 - 4.2 Graduate Certificate In Bioethics (Biotechnology) (GradCertBEthBTech)
 - 4.3 Graduate Certificate In Bioethics (Clinical Ethics) (GradCertBEthClinEth)
 - 4.4 Graduate Certificate in Biostatistics (GradCertBiostat)
 - 4.5 Graduate Certificate in Clinical Epidemiology (GradCertClinEpi)
 - 4.6 Graduate Certificate in Health Policy (GradCertHPol)
 - 4.7 Graduate Certificate in Infection and Immunity (GradCertInfImm)
 - 4.8 Graduate Certificate in Medical Education (GradCertMedEd)
 - 4.9 Graduate Certificate in Medical Humanities (GradCertMedHum)
 - 4.10 Graduate Certificate in Medicine (GradCertMed)
 - 4.11 Graduate Certificate in Pain Management (GradCertPainMgt)
5. The degree of Master of Medicine shall be awarded in the following streams:
 - 5.1 Clinical Epidemiology (ClinEpi)
 - 5.2 Dermatology (Derm)
 - 5.3 Infection and Immunity (InfImm)
 - 5.4 Interdisciplinary Medicine (IntMed)
 - 5.5 Ophthalmic Science (OphthSc)
 - 5.6 Paediatric Medicine (Paed)
 - 5.7 Pain Management (PainMgt)
 - 5.8 Psychotherapy (Psychotherapy)
 - 5.9 Refractive Surgery (RefractSurg)
 - 5.10 Renal Medicine (RenalMed)
 - 5.11 Reproductive Health Sciences and Human Genetics (RHHG)
 - 5.12 Sexually Transmitted Diseases/HIV (STD/HIV)
 - 5.13 Sleep Medicine (Sleep Medicine)
6. The degree of Master of Science in Medicine shall be awarded in the following streams:
 - 6.1 Clinical Epidemiology (ClinEpi)
 - 6.2 Infection and Immunity (InfImm)
 - 6.3 Ophthalmic Science (OphthSc)
 - 6.4 Pain Management (PainMgt)
 - 6.5 Psychotherapy (Psychotherapy)
 - 6.6 Reproductive Health Sciences and Human Genetics (RHHG)
 - 6.7 Sexually Transmitted Diseases/HIV (STD/HIV)
 - 6.8 Sleep Medicine (Sleep Medicine)
7. The degree of Master of Surgery by coursework and treatise shall be awarded in the surgical stream in which the candidate enrolls and completes a dissertation.
8. The testamur for the degree shall specify the specialty in which the degree is awarded.
9. The Graduate Diploma in Medicine shall be awarded in the following streams:
 - 9.1 Clinical Epidemiology (ClinEpi)
 - 9.2 Dermatology (Derm)
 - 9.3 Interdisciplinary Medicine (IntMed)
 - 9.4 Ophthalmic Science (OphthSc)
 - 9.5 Paediatric Medicine (Paed)
 - 9.6 Pain Management (PainMgt)
 - 9.7 Refractive Surgery (RefractSurg)
 - 9.8 Renal Medicine (RenalMed)
 - 9.9 Sexually Transmitted Diseases/HIV (STD/HIV)
 - 9.10 Sleep Medicine (Sleep Medicine)
10. The Graduate Diploma of Science in Medicine shall be awarded in the following streams:
 - 10.1 Clinical Epidemiology (ClinEpi)
 - 10.2 Ophthalmic Science (OphthSc)
 - 10.3 Pain Management (PainMgt)
 - 10.4 Sexually Transmitted Diseases/HIV (STD/HIV)
 - 10.5 Sleep Medicine (Sleep Medicine)
11. The Graduate Diploma in Surgery shall be awarded in the surgical stream in which the candidate enrolls.
12. The certificate for the graduate diplomas shall specify the specialty in which the graduate diploma is awarded.
13. The Graduate Certificate in Medicine shall be awarded in the following streams:
 - 13.1 Dermatology (Derm)
 - 13.2 Interdisciplinary Medicine (IntMed)
 - 13.3 Paediatric Medicine (Paed)
 - 13.4 Renal Medicine (RenalMed)
14. The certificate for the Graduate Certificate in Medicine shall specify the specialty in which the graduate certificate is awarded.



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History of the Faculty of Medicine

The beginnings

The University of Sydney was founded in 1850 and is the oldest university in Australasia. Its Faculty of Medicine formally came into being in 1856, becoming the first faculty of medicine in Australasia. The Act of Incorporation of the University of Sydney provided for the awarding after examination of degrees in Medicine as well as in Arts and Law. The initial Board of Examiners for Medicine consisted of Professor John Smith, Professor of Chemistry and Experimental Physics, and eight medical practitioners from the city of Sydney.

Growth and diversity

Despite lack of funding in its early decades, the faculty has grown during its more than 150 years to include a world-recognised medical school with an award-winning curriculum, postgraduate courses that attract students from around Australia and overseas, approximately 100 teaching hospitals and affiliated research institutes, and academic researchers who win tens of millions of dollars worth of competitive grants every year.

The diversity of its staff and students has increased, particularly in the last two decades, and research, teaching and learning are now conducted at academic departments and clinical schools in urban and rural New South Wales and in the Northern Territory.

Early obstacles

Strenuous efforts were made from the beginning to start a medical school at the University and support was especially strong from medical members of the governing body of the University, its Senate. In 1859 the Senate adopted a scheme of medical teaching which was intended to commence in 1860. The University's architect, Edmund Blakett, was instructed to prepare plans for an anatomy school. However, the plan was opposed on the grounds that "the constitution of such studies and the establishment of a medical school would retard the completion of the curriculum in the Faculty of Arts".

A royal memorial

Two major events helped to bring about the establishment of a medical school. First, in 1868 there was an attempt upon the life of H.R.H. Prince Alfred, Duke of Edinburgh, during his visit to New South Wales. The Duke recovered, and in commemoration the community raised the sum of £30,000 for a suitable memorial.

The Duke wished the money to be allocated for the erection of a hospital and a public meeting resolved that a Prince Alfred Memorial Hospital should be built on the site of the Sydney Infirmary.

That proposal encountered legal difficulties; the University resolved the problem by granting the use of twelve acres of University land, provided that a portion of this was reserved for a school of medicine.

The Prince Alfred Hospital Act of Incorporation, which was passed in 1873, stipulated that the hospital's medical staff be appointed by a conjoint board consisting of the Senate of the University and the hospital's Board of Directors sitting together, and that it be open for clinical teaching to students of the medical school when established. The hospital was opened for patients in 1882. In the same year the government agreed to finance a medical school.

A major bequest

The second event that influenced the Senate in its determination to proceed with the medical school was the death of John Henry Challis in 1880, which resulted in the bequest of the residue of his substantial estate for the benefit of the University. Applications were subsequently invited for a chair of anatomy and physiology and Sir Thomas Anderson Stuart came from Edinburgh to fill the chair and to establish the medical school.

The Faculty of Medicine owes much of its early development to the genius of Anderson Stuart, a man of great ability, determination and energy, who presided as its Dean until his death in 1920.

The Scottish connection

The medical school commenced teaching in March 1883 with four students in a four-roomed cottage built between the Great Hall of the University and Parramatta Road. Anderson Stuart pressed for the construction of a more suitable medical school and in 1887 a new building, subsequently known as the Anderson Stuart Building, was commenced; it was completed in 1922.

To strengthen the faculty's teaching staff, Anderson Stuart turned to the Edinburgh Medical School and recruited Robert Scot Skirving, JT Wilson and DA Welsh. Wilson became professor of anatomy in 1890 when Anderson Stuart relinquished the position to concentrate on his other duties and Welsh was appointed to the new chair of pathology in 1902.

Changes in the medical program

Initially the medical curriculum was of five years' duration, the first year being spent in the Faculty of Arts. In 1890 the medical course proper was lengthened to five years and in 1926 it was extended to cover six years. New subjects were introduced, including pharmacology, biochemistry, psychiatry, obstetrics and gynaecology, jurisprudence and public health.

New buildings

In addition to occupying the Anderson Stuart Building the faculty expanded into other new buildings. The Blackburn Building, named in honour of Sir Charles Bickerton Blackburn, who was then dean of the faculty and later Chancellor of the University, was opened to clinical students in 1933. The Medical Library opened in Blackburn Building in 1934 – the first branch of the University Library.

The Bosch Building was erected on a site adjoining the Blackburn Building in two stages: lecture theatres in 1965, and a second building including a medical library and animal houses in 1968.

New chairs

The Bosch Building is named in honour of George Henry Bosch, a Sydney businessman who was one of the faculty's greatest benefactors, and through whose generosity full-time chairs in histology and embryology, medicine, surgery, and bacteriology were established between 1927 and 1930.

The first occupant of the full-time chair of medicine was CG Lambie, who held the position from 1930 until 1957. The first appointment to the full-time chair of surgery was Sir Harold Dew, from 1930 to 1956. At the same time the School of Public Health and Tropical Medicine was established, funded by the federal government and controlled jointly by the government and the University.

More new disciplines

In 1933 the chair of obstetrics became full-time and was occupied by JC Windeyer. In 1958 the Queen Elizabeth II Research Institute for Mothers and Babies was established to investigate causes and prevention of illness and deaths of mothers and infants.

In recent years the faculty has, frequently with the assistance of the NSW Health Department and its area health services and hospitals, established chairs and other senior academic positions in an ever expanding range of disciplines.

The School of Public Health

The School of Public Health and Tropical Medicine closed and was replaced by the School of Public Health, established in 1987 with funds from the then Commonwealth Department of Health and Family Services. The school continues to receive substantial support from the Commonwealth Government through the Department of Health

and Ageing. Among the highly regarded courses offered by the school are biostatistics, international public health and health policy.

Clinical schools

During the 1990s the faculty's clinical schools took on increased responsibility for the delivery of educational programs, the management and stimulation of research and financial and administrative matters. The clinical schools include all publicly funded health care institutions within the area health service with which they are associated, together with approved private institutions.

Six of the faculty's clinical schools are in Sydney: Central Clinical School, Concord Clinical School, Nepean Clinical School, Northern Clinical School, Western Clinical School, and the Children's Hospital at Westmead. Another is in the central west of New South Wales (School of Rural Health based in Dubbo, Orange and Bathurst). The Australian National University's Medical School developed out of the Canberra Clinical School, which was part of the University of Sydney from the early 1990s until the end of 2006.

Each clinical school is headed by an associate dean. The faculty's two University Departments of Rural Health (one at Broken Hill and one at Lismore) and the Australian Centre for Agricultural Health and Safety at Moree supplement the faculty's rural education activities, adding a strong population health focus.

The success of the USydMP

In 1992 the faculty took the major decision to move to a four-year, graduate-entry medical program with a completely new admissions process and a new curriculum based largely on problem-based and self-directed learning. The first students were admitted to the new University of Sydney Medical Program (USydMP) in 1997.

Having undergone a curriculum review in 2006-07 and a review of the admissions process in 2008, the USydMP continues to hold its place at the forefront of medical education world-wide. It has been made available under licence to numerous universities, both in Australia and internationally.

Postgraduate study

The faculty continues to develop new postgraduate courses to meet the needs of health professionals, including programs in Sleep Medicine, Indigenous Health (Substance Use), International Ophthalmology and Refractive Surgery.

Major affiliated research institutes include the Centenary Institute of Cancer Medicine and Cell Biology, the Children's Medical Research Institute, the Heart Research Institute, the Save Sight Institute, the Westmead Millennium Institute and the newly established Poche Centre for Indigenous Health, made possible by a generous donation from philanthropist Greg Poche.

Indigenous health

The 17-year difference in life expectancy between Indigenous and non-Indigenous Australians is recognised by the faculty as an important issue and an area where it can make a positive contribution through research and education. The curriculum of the USydMP includes problem-based learning cases focused on Indigenous people.

Aboriginal and Torres Strait Islander students have graduated from the USydMP, research degrees, and postgraduate coursework degrees including the Master of Public Health and graduate diplomas in Indigenous Health Promotion and Indigenous Health (Substance Use).

The Poche Centre for Indigenous Health will work with local and community health services to improve Indigenous health in western

New South Wales and the Northern Territory, conduct research into critical aspects of Indigenous health and educate medical and health students in matters concerning the health of Aboriginal and Torres Strait Islander people.

An international environment

Ties with universities and institutes in Canada, China, France, Germany, Indonesia, Israel, Sweden, the USA and elsewhere enrich the student experience and provide research opportunities for staff.

The George Institute for International Health, affiliated with the faculty, collaborates with organisations around the world to carry out important health projects. The Hoc Mai Foundation is an educational partnership initiated by the faculty which fosters medical and healthcare education and knowledge in Australia and Vietnam. All USydMP students are encouraged to experience health systems in different countries through their elective term and options.

The student body

In 2008, approximately 17 percent of USydMP students and 18.5 percent of those in postgraduate study were international students. In the USydMP intake of that year, 51.5 percent of the medical students were female, 48.5 percent were male – a distinct contrast with 1910, when women made up less than 3 percent of the student body.

The faculty's students have formed a number of associations: the University of Sydney Medical Society (MedSoc), founded in 1886, offers a meeting ground for all current and past medical students at the University of Sydney. MedSoc coordinates social events, has a bookshop for medical texts and paraphernalia, provides a printing service for students and produces online and hard copy publications of interest to students, teachers and graduates of medicine.

MIRAGE (Multi-disciplinary Interest in Rural and General Health Education) was founded in 1995 as a club for students from a wide range of disciplines who are passionate about improving health and health education in rural areas. With the intention to "Inspire and encourage medical students to promote health opportunities and medical equality globally", globalHOME was established by medical students in 2006.

Other student associations within the faculty include the North American Medical Student Association, the Australia-Singapore Medical Students' Society, Sydney University Holistic and Integrative Medicine Society and the Postgraduate Society of the Faculty of Medicine.

Alumni

Since June 1856, over 25,000 students have graduated from Faculty of Medicine programs. Some of our alumni, like Graeme Clark and Sir Gustav Nossal, are almost household names. Others have left the practice of medicine or public health and are better known as leaders and politicians. Others are known in their field for their service to medical education. And many go unnoticed by the world at large but are valued by those in the communities they serve.

Our staff and alumni have made significant contributions to the understanding, prevention, and treatment of skin cancer, sleep apnoea, sudden infant death syndrome and the identification of genes related to prostate and thyroid cancer.

The faculty has also had a powerful impact on public health, addressing issues that affect large numbers of people world-wide and leading to a dramatic reduction in cardiovascular disease, tobacco use and traumatic injuries in Australia.

3. General information

This chapter explains how to find information about aspects of candidature in the Faculty of Medicine and at the University of Sydney in general. You can read about policies governing study at www.usyd.edu.au/policy by either searching for a specific topic or selecting the link 'Study at the University', which brings up relevant links. The Teaching and Learning link provides background policies on courses and many policies are common to both links.

Overarching policies and the policy website

The overarching policy for coursework students is the Coursework Rule. This can be found at www.usyd.edu.au/handbooks (click on 'University Coursework Rule').

There is no equivalent rule for research students but the PhD Rule and the Statutes: Doctor of Philosophy, cover most aspects of the PhD. Both of these resources are available in the 'Related information' box at www.foh.usyd.edu.au/postgrad/current/research.php. Resolutions governing the other research degrees can be found in chapter 30 of this handbook.

The Postgraduate Studies Handbook is another useful resource. See: www.usyd.edu.au/handbooks/handbooks_admin/postgraduate

Vaccinations, and other requirements by the NSW Department of Health

Many students – such as those in the MBBS, and any postgraduate student working in or with NSW Department of Health institutions – are required to have a complete set of vaccinations, complete a Prohibited Employment Declaration and consent to a Criminal Record Check. See www.foh.usyd.edu.au/postgrad/current/enrol.php.

Assessment, special arrangements and special consideration

The general policy on assessment is at the 'Study at the University' link on the Policy Online website (www.usyd.edu.au/policy), which covers, among other things, arrangements for students with disabilities. Students who find their studies, particularly individual assessment items such as exams, have been affected by illness can apply for special consideration, as discussed in the assessment policy. Details for MBBS students are given in chapter 4. Postgraduate students should see www.foh.usyd.edu.au/postgrad/policies/index.php for the policy and form.

Students can request special arrangements for assessments for a variety of reasons, including religious commitments and compulsory legal absences. See the Academic Board policy 'Assessment and Examination: Special Arrangements' under the 'Study at the University' link on the policy homepage.

Plagiarism

Plagiarism is not acceptable. All students must make themselves familiar with what constitutes plagiarism, so they can avoid it. See www.usyd.edu.au/secretariat/students/plagiarism_index.

Variations to candidature

During the course of their candidature, circumstances may require students to request changes, such as to take a leave of absence or change their attendance pattern. The types of variations are:

- suspending for a semester – when you need to take a whole semester leave of absence from your studies (note research students can apply for shorter periods of leave of absence)

- changing your attendance pattern from full-time to part-time or vice versa (note, postgraduate coursework students don't need to ask permission but MBBS and research students must)
- transferring between courses (not applicable to MBBS students)
- requesting an extension (not applicable to MBBS students)
- withdrawing from candidature
- working on research away from the University (research students only)
- changing supervisory arrangements (research students only).

MBBS students should refer to chapter 4 for details on how to apply for these variations and any restrictions.

Postgraduate students should see the 'Candidature variations' form at www.foh.usyd.edu.au/postgrad/general/forms.php, and the relevant information for research and coursework students online at www.foh.usyd.edu.au/postgrad/current/research_candidature.php & www.foh.usyd.edu.au/postgrad/current/coursework_candidature.php.

Students at Risk

The University of Sydney has recently introduced the Students at Risk policy, to identify each semester those coursework students who need assistance to maintain progress through their course. Further information can be found at:

www.usyd.edu.au/secretariat/students/risk_index

Annual progress reports

The similar check on research students is the Annual Progress Report which is due on 1 November each year and includes an interview with discipline staff. Research students on scholarships will only have their scholarships renewed for the following year if they complete an Annual Progress Report and their candidatures are approved for continuation. Students who do not complete an Annual Progress Report will have their scholarships terminated.

Show cause

If a student is identified as not showing satisfactory progress – either through the Students at Risk policy and procedures for coursework students (including MBBS students), or through the Annual Progress Report – they will be asked to show cause why their candidature should not be terminated due to lack of progress.

Student conduct

Students at the University of Sydney are bound by several rules of conduct which can be found at the bottom of the webpage www.usyd.edu.au/secretariat/students/discipline_index.

See also www.usyd.edu.au/ab/policies/Student_code_conduct.pdf (the Code of Conduct for Students), and the Code of Conduct for Responsible Research Practice, which applies to all research students, at www.usyd.edu.au/ab/policies/Rsch_Code_Conduct.pdf.

Appeals

A student may appeal academic decisions, including disciplinary decisions about misconduct.

See www.usyd.edu.au/secretariat/students/AcAppeals_index for details about the University of Sydney (Student Appeals against Academic Decisions) Rule 2006.

See www.usyd.edu.au/secretariat/students/DiscAppeals_index for information about appeals against discipline determinations.



4. Medicine and Surgery

Undergraduate courses comprise diplomas, advanced diplomas and bachelor's degrees. Some bachelor's degrees, such as the University of Sydney Medical Program, require a previous bachelor's degree for admission. These are considered graduate entry undergraduate degrees.

The information in this chapter is in summary form and is subordinate to the provisions of the relevant degree resolutions in chapter 5.

Undergraduate course information

Bachelor of Medicine and Bachelor of Surgery (MBBS)

Course code: KH006

Aims of the Medical Program

The University of Sydney Medical Program aims to produce medical graduates who are committed to rational, compassionate health care and medical research of the highest quality.

The program encourages the enrolment of students from diverse backgrounds and aims to help them to become graduates responsive to the health needs of individuals, families and communities and committed to improving the health care system at all levels.

The success of the program will be measured by the extent to which University of Sydney graduates maintain lifelong, self-directed learning and the pursuit of evidence-based medical practice, and the extent to which they initiate, lead and support advances in clinical medicine, research, education and community service.

Curriculum themes

The University of Sydney Medical Program is organised into four curriculum themes which describe the important professional characteristics students will acquire by the completion of the program.

The four themes are:

- Basic and Clinical Science
- Patient and Doctor
- Population Medicine
- Personal and Professional Development

The themes provide the framework for the goals of the program, the curriculum and assessment. The learning within the four themes necessarily overlaps and their program objectives should therefore be read as a single collective statement. Students are required to demonstrate satisfactory performance in all four themes.

Distinctive features of the program

Graduate students from diverse backgrounds

Students enter the program as successful graduates from a diverse range of academic and life experiences, having made a singular commitment to the study of medicine.

Each individual will have made a mature decision to participate in the University of Sydney Medical Program as their preferred route for entry into the medical profession.

A four-year integrated learning curriculum

Learning in the Medical Program is integrated across disciplines and the four themes listed above, carefully building from year to year.

A major component of the learning process in the first year (known as Stage 1) and the second year (known as Stage 2) consists of clinical problems presented in problem-solving tutorials in which concepts of health and disease are related to the basic biomedical sciences. This ensures the knowledge and problem-solving abilities which underpin medical practice has a strong scientific foundation.

Clinical contact from the first week

From the very first week of the program, students spend one day each week in their assigned Clinical Schools, where they learn clinical and communication skills. University of Sydney Medical Program Clinical Schools and their satellites are located in large metropolitan hospitals, peripheral metropolitan hospitals and hospitals in major rural centres throughout NSW. This offers students a balanced view of urban and rural health care and their differences.

See www.medfac.usyd.edu.au/futurestudent/clinschool/index.php for further information about the clinical experience. In the third and fourth years of the University of Sydney Medical Program, which together comprise Stage 3. Almost all of the teaching and learning experience occurs in the Clinical Schools.

Problem-based learning with online support

The focus on problem-solving teaches students how to define and analyse clinical problems and seek the information needed to formulate and resolve diagnostic hypotheses and identify treatment options.

This approach also encourages students to become skilled independent learners, able to identify their own learning needs and evaluate their progress. See the following website for more information: www.medfac.usyd.edu.au/futurestudent/clinschool/index.php.

The problem-based learning in Stages 1 and 2 is supported by a comprehensive set of online resources which are used to present an authentic clinical case and give extensive guidance for both group and independent learning.

An evidence-based approach

The evaluation of evidence from research is an essential part of clinical problem-solving and decision-making. Students learn the skills of critical appraisal in Stages 1 and 2 and practice applying these skills to the published medical literature. In Stage 3 they develop their ability to practice evidence-based medicine in their clinical encounters.

See www.medfac.usyd.edu.au/futurestudent/education/ebm.php for more information about evidence-based medicine.

Degree regulations

The information presented in this handbook must be read in conjunction with the University of Sydney (Coursework) Rule 2000 and the Senate and faculty resolutions pertaining to the degrees of Bachelor of Medicine and Bachelor of Surgery. See the Policy Online website: www.usyd.edu.au/policy, for copies of University policies.

The faculty resolutions and this handbook are the official statement of faculty policy. If a conflict is perceived between the faculty resolutions and this handbook on the one hand and information available elsewhere, the faculty resolutions and this handbook shall always take precedence.

For clarity, sections of the faculty resolutions are included in this handbook and are shown in italics.



Section 1

1. Admission
2. Units of study
3. Requirements for the pass degree
4. Honours degree

Section 2

1. Goals of the University of Sydney Medical Program
2. Outline of the curriculum
3. Discontinuation of enrolment without permission
4. Suspension of candidature
5. Time limit
6. Assessment and progression

Section 1

1. Admission

Applicants will be considered for admission according to the following criteria:

- *Academic performance in the applicant's most recent bachelor's degree;*
- *Performance in the Graduate Australian Medical Schools Admission Test (GAMSAT);*
- *Performance in an interview process.*

In the interest of equity and fairness to all applicants, those applicants who do not meet the faculty's admission criteria, including the required Grade Point Average (GPA) and GAMSAT results, will not be considered for admission to the University of Sydney Medical Program. The GPA and GAMSAT results requirements shall apply, regardless of circumstances such as illness, misadventure or disadvantage during the bachelor's degree or test.

No preference or advanced standing is offered to any applicant. No credit is given for previous units of study.

Except as provided for under section (1) (n) below, no exemptions from units of study are offered.

Transfer of enrolment between medical schools is not possible except in very exceptional circumstances and only with the approval of the deans/heads of the two schools involved.

Transfer from other medical schools into the University of Sydney Medical Program will not be considered if an applicant has previously applied to the program but has been rejected.

Applicants for transfer must have met the requirements for admission to the University of Sydney Medical Program that were in place at the time of admission to the prior medical school.

Applicants for transfer must complete at least 50 per cent of the University of Sydney Medical Program (ie transfers will only be considered for entry into Stage 1, Stage 2 or the start of Stage 3).

Matters the Dean may consider in reviewing an application for transfer:

- whether the medical program curriculum undertaken by the applicant at the prior institution is comparable to that of the University of Sydney Medical Program, as determined by the Faculty of Medicine, University of Sydney
- the academic performance of the applicant in the prior medical school, and
- the recommendation of the dean/head of the prior medical school.

(1) Bachelor's degree

The University of Sydney Medical Program is a graduate-entry degree program. Applicants must demonstrate academic achievement and successful completion of studies in a tertiary educational environment.

(a) Applicants must have completed, or be in the final year of, a bachelor's degree comprising at least three full-time equivalent years of study, either from an Australian university listed in sub-category (ii) of the Australian Qualifications Framework (universities and other self-accrediting higher education institutions), or from an overseas university listed in the National Office of Overseas Skills Recognition Guide. The bachelor's degree must be completed by 5 January of the year in which the applicant intends to commence the University of Sydney Medical Program.

(b) Performance in the bachelor's degree is assessed by a grade point average (GPA), determined on a scale of 0 – 7 from each mark or grade on the official academic transcript issued by the institution where the bachelor's degree was undertaken. Applicants must achieve a GPA of 5.5 or greater (equivalent to a credit level at the University of Sydney). The GPA is calculated on the last three full-time years, or six semesters, of the most recent bachelor's degree, including an honours year if undertaken.

(c) Subjects are grouped according to calendar year, not academic year level. Each year is weighted equally. Percentages are used when available rather than grades. If subject weightings are not available, a value of one is assigned. If an applicant studies part-time or undertakes any Summer/Winter School units he/she should divide all the subjects into three roughly equal groups, based on the order in which he/she completed them. Postgraduate research or coursework qualifications are excluded.

(d) Applicants enrolled in the final year of a bachelor's degree will be considered on a provisional basis if their record at the time of application yields a GPA of 5.5 or greater. First semester results of applicants who are applying whilst in the final year of their degree are not included in the assessment of applicants for interview.

(e) For applicants who have undertaken a combined degree or parallel degree program, only the final three years will be included in the calculation of the GPA, whether or not they count towards the award of the degree.

(f) Applicants with a degree where results in one-third or more of the units of study are awarded on a pass/fail basis only must provide official documentation, signed by the dean of the relevant faculty, indicating that they are ranked in the top 40 per cent of their cohort.

(g) The GPA levels and graduate qualifications of successful applicants will be recorded for periodic review of selection criteria and procedures.

(h) Where an applicant's bachelor's degree contains credit from an institution other than the institution awarding the degree, the following conditions apply:

- Students must study for at least two years' full-time equivalent at the degree awarding institution.
- Any qualification for which credit was given towards the bachelor's degree used as the basis for admission will be included in the calculation of GPA; applicants must submit original transcripts. Where credits are unspecified, the GPA will be calculated from all subjects completed in the first institution, and will contribute towards credits allocated by the second (degree awarding) institution.

(i) Applications from individuals who have completed an appropriate two-year bachelor's degree in an accelerated program (eg a program comprising three semesters per year) will be considered only after the individuals have completed the two-year degree.

(j) An applicant whose bachelor's degree was conferred 10 or more years before 1 January of the year in which the applicant intends to commence the University of Sydney Medical Program must have obtained either a second bachelor's degree or a graduate diploma or a master's degree or a doctoral degree, either from an Australian university listed in sub-category (ii) of the Australian Qualifications Framework (universities and other self-accrediting higher education institutions), or from an overseas university listed in the National Office

of Overseas Skills Recognition Guide, in the 10 years before 5 January of the year in which the applicant intends to commence the University of Sydney Medical Program.

(k) There are no prerequisite course units.

(l) Any student who is currently enrolled or has previously been enrolled in an Australian or New Zealand medical degree program or dental degree program is not eligible to be considered for admission to the University of Sydney Medical Program for a period of two years after the year of last enrolment in the previous medical or dental degree program.

(m) No advanced standing will be available for applicants to the University of Sydney Medical Program and exemptions from participating in any part of the University of Sydney Medical Program will not be granted.

(n) Notwithstanding the above, *applicants who have completed the Bachelor of Dentistry at the University of Sydney may request consideration for exemption from the non-clinical components of Stages 1 and 2 of the Bachelor of Medicine and Bachelor of Surgery.*

(o) Applicants who have previously been excluded from any university because of academic misconduct will not be considered. Applicants who are excluded from any university at the time of application will not be considered. Applicants who have previously been excluded from any university for other reasons will be referred to the Admissions Committee for consideration before being considered for an entry interview. A major factor considered in these circumstances will be academic performance after the period of exclusion.

(2) Graduate Australian Medical Schools Admissions Test (GAMSAT)

The Graduate Australian Medical School Admissions Test (GAMSAT) was developed by the Australian Council for Educational Research (ACER) in collaboration with Australian graduate-entry medical schools for use in selecting applicants to all Australian graduate-entry medical schools. The test is administered, conducted and assessed by ACER. The GAMSAT is designed to serve five major purposes:

- to ensure that all commencing students have appropriate analytical and problem-solving skills and basic competence in the biological and physical sciences
- to ensure that commencing students have a broad understanding of basic concepts in the social sciences and humanities, which are considered advantageous to the study and practice of medicine
- to ensure that commencing students have an acceptable standard in written communication in English
- to provide valid and reliable information that will allow ranking of applicants
- to indicate to potential applicants the background knowledge necessary to commence the course and the standards required (how an applicant gains this knowledge is an individual choice).

(a) In the selection process, the faculty will use each of the three GAMSAT sections, ie

(i) reasoning in humanities and social sciences

(ii) written communication in English

(iii) reasoning in biological and physical sciences, which comprise chemistry (40%), biology (40%) and physics (20%), described by ACER as being at levels comparable to those of Year 12 in Australian high schools for physics and first-year university for chemistry and biology.

(b) The ACER will supply a score out of 100 for each of the three sections and an overall score weighted as follows: humanities and social sciences (25%); written English (25%); and biological and

physical sciences (50%). The faculty will use the ACER scores for ranking of applicants.

(c) Applicants must achieve a minimum level in all three sections of GAMSAT and will be ranked according to their overall performance for the purpose of selection for interview. In the first instance, applicants who achieve the highest overall score will be invited for interview. Invitations will then be made to those achieving progressively lower overall scores until the total number invited for interview is between approximately 1.5 and 2 times the total number of places available for admission (or until the minimum score acceptable to the faculty is reached).

(d) The minimum acceptable score in any section of GAMSAT is 50.

(e) GAMSAT scores are valid for two years.

(f) There is no restriction on the number of times a candidate may sit the GAMSAT. Candidates may select their preferred valid annual GAMSAT results and the Admissions Committee will not have access to GAMSAT results from other years.

(g) The GAMSAT scores of successful applicants will be recorded for periodic review of selection criteria and procedures.

(3) The multiple mini interview

Applicants who achieve an adequate ranking in the GAMSAT are invited to an interview as part of the selection process. The interview has been designed to assess specific personal qualities, according to criteria that the faculty considers to be important for success in the University of Sydney Medical Program and in a career in medicine. These qualities are:

- good communication skills
- a sense of caring, empathy and sensitivity
- an ability to make effective decisions
- an ability to contribute as a member of a team
- an appreciation of the place of medicine in the wider context of healing, and
- a sense of vocation, motivation and commitment within the context of medicine.

(a) Selection of applicants for interview will be according to GPA and GAMSAT results as described in sections 1 and 2 above.

(b) The interview aims to sample applicants' qualities in order to gain a picture of individuals' strengths and weaknesses in relation to the requirements of the University of Sydney Medical Program. To achieve this, each applicant has several brief interviews with different interviewers, a process known as multiple mini interview (MMI).

(c) All interviewers are volunteers who will have completed a training program either by written instruction or face-to-face training sessions. They are recruited from the following groups:

- Academic and clinical academic members and staff of the Faculties of Dentistry and Medicine
- Senior students in and graduates of the University of Sydney Medical Program or the University of Sydney Dentistry Program
- Persons drawn from the wider community.

(d) Applicants selected for interview are required to travel to the interview location at their own expense.

(e) The interview process is subjected to regular evaluation, including exit questionnaires from applicants and comment by silent, trained observers.

(4) Offers to applicants

(a) The MMI ratings will be used to determine the offer of admission for each applicant.

(b) Applicants are required to meet or exceed a minimum MMI score which will be determined by the Admissions Committee. Applicants are then ranked on the basis of their GAMSAT performance (50%) and their MMI performance (50%). This generates a single ranked list of applicants. Offers are made in sequence commencing with the applicant with the highest ranked score. If applicants ranked equally need to be separated, the overall GAMSAT scores will be used.

(c) If necessary, the applicants' performance in the bachelor's degree will next be used to separate applicants for an offer of admission.

(d) The applicants most highly ranked will be offered places first according to their preferences (applicants are required to number their preferences from the options detailed below). If a particular type of place is no longer available (ie all places have been offered to applicants ranked more highly), applicants will be offered their next preferred available place.

- Commonwealth supported places (CSP, formerly HECS)
- Medical Rural Bonded Scholarship Scheme places (MRBSS) *
- Bonded Medical Places (BMP) *

* Only Australian citizens or permanent residents are eligible for MRBSS places and BMPs. New Zealand citizens must be permanent residents of Australia to be eligible to apply.

(e) Firm offers of admission will be made only to applicants who have already completed their bachelor's degree.

(f) Provisional offers of admission will be made to applicants who have not completed the final year of their bachelor's degree at the time of interview. The provisional offer will be rescinded if the applicant does not complete the final year of the bachelor's degree by 5 January of the year in which the applicant intends to commence the University of Sydney Medical Program, or if the applicant fails to achieve a GPA of 5.5 or greater on completion of the bachelor's degree.

(g) Successful applicants will be notified in writing and will be given a firm date by which the faculty must receive written acceptance of the offer of admission. If a written acceptance is not received by that date, the offer of admission will lapse. Extension of time for written acceptance of an offer of admission will not be allowed.

(h) The faculty may keep a small reserve list of applicants who are unsuccessful in the first round of offers, but who may be offered admission in a second round, if places remain unfilled after the first round is completed.

(i) Other than in exceptional circumstances, applicants who accept an offer of admission and then fail to enrol, without notifying the University of their decision, or who enrol and then subsequently withdraw or discontinue without prior approval, will not be reconsidered for admission to the University of Sydney Medical Program for a period of two years from the date of enrolment or the date of withdrawal or discontinuation, whichever is the later.

(5) Deferrals

The faculty is committed to supporting medical research and to offering opportunities to students interested in undertaking research. The faculty resolutions concerning deferral of enrolment in the University of Sydney Medical Program reflect this commitment.

Deferral of enrolment after acceptance of an offer of admission or deferral after first enrolment may only be permitted under the following circumstances:

(a) Deferral for one year may be permitted in the event of serious illness or misadventure that could not have been foreseen at the time of application. Appropriate evidence and documentation acceptable to the faculty must be provided to support such a request for deferral.

(b) Deferral for one year may be permitted to allow suitably qualified applicants to undertake an additional research year for an honours degree (ie those applicants enrolled in the final year of a bachelor's

degree which leads directly to a one-year research program for an honours level degree).

(c) Deferral for up to three years may be permitted to allow applicants who are enrolled in a higher research degree at a tertiary institution at the time of application to the University of Sydney Medical Program to complete that higher degree.

(d) In exceptional circumstances, the dean may permit deferral for one year to allow suitably qualified applicants to complete a non-degree postgraduate research year at an institution approved by the faculty.

(e) Requests for deferral must be in writing and must be received by faculty by 30 November. Requests will be considered by the Admissions Committee and the Dean of the Faculty of Medicine.

(6) Applicants in special categories

(a) Indigenous Australian applicants

Facilitated entry is available for applicants who identify as Aboriginal and Torres Strait Islander people. Advice on this can be obtained from the Koori Centre, University of Sydney.

Proof of receipt of Abstudy will not be accepted as proof of Aboriginality unless accompanied by one of the documents approved by the Koori Centre.

Applicants will be selected for interview if they satisfy the requirements of their bachelor's degree at a pass level and if they reach the minimum acceptable levels of performance in the GAMSAT as defined by the faculty. Applicants will also be expected to achieve a suitable level of performance at interview.

(b) Rural origin applicants

Facilitated entry is available for applicants who identify as being of rural origin. A person of rural origin is defined as an individual who has resided (according to principal home address) in a rural area for at least five years (consecutively or cumulatively) from commencement of primary school. A rural area is an area classified in categories 3-7 of the Rural, Remote and Metropolitan Areas (RRMA) classification system (see www.health.gov.au). Applicants are selected for interview if they satisfy the requirements of their bachelor's degree at credit level and if they reach the minimum acceptable levels of performance in the GAMSAT as defined by the faculty. Facilitated entry may be offered conditional on the production of one of the following forms of proof of rural origin at the time of application:

- A letter of support from local school principal, doctor or minister of religion (not a family member). The letter should include current contact details.
- School records.

Applicants who have difficulties obtaining this documentation should contact the Admissions Office.

(c) Refugee medical student applicants

The Faculty of Medicine has developed a policy for the admission of refugee medical students to the University of Sydney Medical Program:

- A sub-quota of up to four Commonwealth supported places in the University of Sydney Medical Program will be available annually for refugee medical student applicants whose applications will be assessed on a case by case basis.
- Applicants must have been granted refugee status and Australian residency by the Australian Government.

(d) Medical Rural Bonded Scholarship Scheme (MRBSS)

These places are funded by the Commonwealth Department of Health and Ageing and are additional medical school places for Australian citizens or permanent residents who enter into a legally binding contract with the Commonwealth Government. For details, please visit the website <http://www.health.gov.au/mrbscholarships>.

- A quota of places will be available for students accepting Commonwealth Medical Rural Bonded Scholarships. This quota will be in addition to the standard places available to Australian citizens and permanent residents and New Zealand citizens.
- The number of MRBSS places to be offered each year will be negotiated by the faculty and the Department of Health and Ageing.
- The selection criteria for MRBSS places will be the same as for standard places in the University of Sydney Medical program.
- The faculty will bear no responsibility in respect of any student's decision to accept or decline the Commonwealth MRBSS offer.
- Any student who, having been admitted to the University of Sydney Medical Program in an MRBSS funded place, subsequently relinquishes the Medical Rural Bonded Scholarship, will also relinquish his/her place in the University of Sydney Medical Program, effective from the date of relinquishing the scholarship.
- A MRBSS student is not allowed to transfer to any other type of place during the entire duration of his/her MBBS studies.

(e) Bonded Medical Place (BMP)

These extra places are intended to provide for localities with a shortage of doctors. For more details see: www.health.gov.au/bmpscheme

- A quota of places is available for students accepting Bonded Medical Places. This quota is additional to the standard places available to Australian citizens and permanent residents and New Zealand citizens.
- The number of BMPs to be offered each year will be negotiated by the faculty and the Department of Health and Ageing.
- The selection criteria for BMPs will be the same as for standard places in the University of Sydney Medical program.
- The faculty will bear no responsibility in respect of any student's decision to accept or decline the BMP offer.
- Withdrawal from a BMP at any time prior to completion of the University of Sydney Medical Program will mean that the BMP will be terminated and enrolment in the University of Sydney Medical Program will be cancelled.
- A BMP student is not allowed to transfer to any other type of place during the entire duration of his/her MBBS studies.

(7) International students

The University of Sydney and the Faculty of Medicine welcome applications from international applicants to the University of Sydney Medical Program on a full-fee basis. Selection is based on criteria similar to those used to select local applicants. The quota for international students is additional to the quota for local students (i.e. students who are Australian citizens or permanent residents or New Zealand citizens). The number of places available for international students is determined by the faculty, taking into account the student demand and staff teaching capacity.

(a) Selection criteria for full-fee paying international students are similar to those for local applicants, i.e. weighted GPA of 5.5 or greater in the bachelor's degree, performance in the GAMSAT or American Medical College Admission Test (MCAT) and performance in an interview.

(b) International applicants may take either the GAMSAT or MCAT.

(c) As with local students, offers of interview will be made to applicants with the highest scores in each section of the GAMSAT or MCAT and then to applicants with progressively lower scores in each section, until the total number of interviews offered is between approximately 1.5 and 2 times the number of places available, or until minimum scores acceptable to the faculty are reached.

(d) The MCAT scores are valid for two years from the date of the test.

(e) The minimum acceptable MCAT scores are M in the writing sample and 8 in sections given numerical scores.

(f) The minimum acceptable scores in GAMSAT are 50 in each section.

(g) International applicants whose GPA falls slightly below 5.5 may be considered if good levels of performance in the GAMSAT or MCAT have been achieved.

(h) International applicants whose GAMSAT or MCAT scores fall slightly below the acceptable minimum may be considered if a good GPA has been achieved.

(i) Offers of admission will be made by the Dean of the Faculty of Medicine, initially to those applicants who are considered most suitable at interview, then progressing through the suitable categories, until all the places have been offered.

(8) Change in immigration status

There are two possible situations relating to the position of international applicants to the University of Sydney Medical Program who change their immigration status:

- The applicant's status changes before an offer is made. If an international student is granted permanent resident status (or New Zealand citizenship) before an offer is made, his/her application will be void. He/she may re-apply for a local place in a subsequent intake.
- An international student becomes a permanent resident of Australia (or a New Zealand citizen) after an offer is made. An international student who is granted permanent residency (or New Zealand citizenship) after an offer is made will transfer to a local fee paying place if a place is available. The date of becoming a permanent resident status is the date stamped on the student's passport or a "Certificate of Evidence of Resident Status" from the Commonwealth Department of Immigration and Citizenship (DIAC), not the date on which the application for status is made. If the student obtains permanent residency or advises the University after the census date, the student will be classified as an international student for the remainder of that semester. The student will be classified as permanent resident from the following semester or term.

(9) Appeals

(a) An applicant who believes that his or her performance at interview has been compromised by serious illness or misadventure, may appeal in writing. The written appeal, with supporting documentation, must be received by the faculty within two working days of the interview.

(b) An Admissions Appeals Committee, established by the faculty for this purpose, will determine what, if any, further action is required and the decision of this committee will be final.

(c) Appeals will be conducted by direct communication between the applicant and the faculty. Correspondence with third parties will not be entered into.

(10) Disclosure

(a) All applicants must fully disclose all information relevant to the faculty's decision about an offer of admission. All such information known to the applicant must be disclosed at the time of initial application.

(b) Relevant information includes (but is not limited to) academic performance and transcripts, citizenship and permanent residency, details of any exclusions and certification of completion of previous bachelor's degree by the time of enrolment in the University of Sydney Medical Program.

4. Medicine and Surgery

(c) If an applicant fails to disclose any information relevant to the faculty's decision about an offer of admission and that information would have resulted in a decision not to offer admission, then the applicant's offer of admission or subsequent enrolment in the University of Sydney Medical Program will be rescinded.

(d) Presentation of false or forged documents by an applicant may constitute a criminal offence and the university may take appropriate action in such cases, including (but not limited to) cancellation of an application for admission, cancellation of an offer of admission or termination of enrolment.

2. Units of study

Academic Stage 1 (Year 1)

Teaching period 1 UoS code and name	Credit points	Assumed knowledge
GDMP1011 Basic and Clinical Sciences 1	12	
GDMP1012 Patient and Doctor 1	6	
GDMP1013 Population Medicine 1	3	
GDMP1014 Personal and Professional Development 1	3	
Following studies in: Foundation Studies, Musculoskeletal Sciences, Drug and Alcohol		

Teaching period 2 UoS code and name	Credit points	Assumed knowledge
GDMP1021 Basic and Clinical Sciences 2	12	
GDMP1022 Patient and Doctor 2	6	
GDMP1023 Population Medicine 2	3	
GDMP1024 Personal and Professional Development 2	3	
Following studies in: Respiratory Sciences, Haematology, Cardiovascular Sciences		

Academic Stage 2 (Year 2)

Teaching period 1 UoS code and name	Credit points	Assumed knowledge
GDMP2011 Basic and Clinical Sciences 3	12	Academic Stage 1
GDMP2012 Patient and Doctor 3	6	Academic Stage 1
GDMP2013 Population Medicine 3	3	Academic Stage 1
GDMP2014 Personal and Professional Development 3	3	Academic Stage 1
Following studies in: Neuroscience, Vision, Behaviour, Endocrinology, Nutrition, Gastroenterology		

Teaching period 2 UoS code and name	Credit points	Assumed knowledge
GDMP2021 Basic and Clinical Sciences 4	10	Academic Stage 1
GDMP2022 Patient and Doctor 4	6	Academic Stage 1
GDMP2023 Population Medicine 4	3	Academic Stage 1
GDMP2024 Personal and Professional Development 4	3	Academic Stage 1
GDMP2025 Independent Learning Activity 2	2	Academic Stage 1
Following studies in: Renal Sciences, Reproduction, Sexual Health, Cancer Services, Palliative Care		

Academic Stage 3 (Years 3 and 4)

UoS code and name	Credit points	Assumed knowledge
GDMP3101 Medicine Year Three	10	Academic Stage 2
GDMP3102 Medicine Year Four	10	GDMP3101 Medicine Year Three
GDMP3103 Surgery	10	Academic Stage 2
GDMP3104 Critical Care	10	Academic Stage 2
GDMP3105 Community	10	Academic Stage 2
GDMP3106 Psychological and Addiction Medicine	10	Academic Stage 2
GDMP3107 Perinatal and Women's Health	10	Academic Stage 2
GDMP3108 Child and Adolescent Health	10	Academic Stage 2
Incorporating studies in: Basic and Clinical Sciences Theme Patient and Doctor Theme Population Medicine Theme and Personal and Professional Development Theme		
GDMP3109 Elective or GDMP4110 Honours/Research Project	12	Academic Stage 2
GDMP4025 Pre-Internship Term	4	Academic Stage 2

From 2009, Years 3 and 4 of the University of Sydney Medical Program will run as a two-year integrated 'Stage 3'. All students in Stage 3 will be allocated to one of four streams. The new units of study reflect the clinical terms that students undertake. In each stream, students will complete 10 clinical terms over the two-year period. This equates to 96 credit points.

Streams	Year 3 2009				
	Term A	Term B	Term C	Term D	Term E
Stream 1	CC GDMP3104	CR GDMP3105	MED(3) GDMP3101	PAAM GDMP3106	CAH GDMP3108
Stream 2	MED(3) GDMP3101	PAAM GDMP3106	SURG GDMP3103	CR GDMP3105	PWH GDMP3107
Stream 3	MED(3) GDMP3101	SURG GDMP3103	CR GDMP3105	PWH GDMP3107	PAAM GDMP3106
Stream 4	SURG GDMP3103	MED(3) GDMP3101	PAAM GDMP3106	EL/HONS GDMP3109/ GDMP4110	CR GDMP3105
Streams	Year 4 2010				
	Term A	Term B	Term C	Term D	Term E
Stream 1	EL/HONS GDMP3109/ GDMP4110	MED(4) GDMP3102	PWH GDMP3107	SURG GDMP3103	PR GDMP4025
Stream 2	EL/HONS GDMP3109/ GDMP4110	CC GDMP3104	CAH GDMP3108	MED(4) GDMP3102	PR GDMP4025
Stream 3	EL/HONS GDMP3109/ GDMP4110	CAH GDMP3108	CC GDMP3104	MED(4) GDMP3102	PR GDMP4025
Stream 4	CAH GDMP3108	PWH GDMP3107	MED(4) GDMP3102	CC GDMP3104	PR GDMP4025

Transitional arrangements for 2009:

Students enrolled in Stage 4 of the University of Sydney Medical Program in 2009 only, will continue in the same units of study as Stage 4 students in previous years as follows:

UoS code and name	Credit points	Assumed knowledge
GDMP4011 Child & Adolescent Health	10	Academic Stage 3
GDMP4012 Perinatal and Women's Health	10	Academic Stage 3
GDMP4013 Community	10	Academic Stage 3
GDMP4014 Psychological and Addiction Medicine	10	Academic Stage 3
GDMP4015 Elective Term	4	Academic Stage 3
GDMP4025 Pre-Internship Term	4	Academic Stage 3

3. Requirements for the pass degree

(1) Requirement for award of the degree

Total credit points required: 192

All prescribed units must be completed for award of the degree.

(2) Progression requirements

No candidate shall be permitted to enrol in any academic stage unless that candidate has satisfied all the requirements prescribed for the preceding stage. A candidate who has failed to satisfy the requirements for a particular academic stage shall be required to repeat that stage and, in doing so, shall complete all prescribed units of study for that stage.

4. Honours degree

The Honours program is an optional additional program that is offered to provide research training opportunities to students enrolled in the University of Sydney Medical Program. The Honours program is integrated into the rest of the course and allows students to develop a more complete understanding of an area of medical science or clinical research under the supervision of an academic member of staff or adjunct staff (eg staff of hospitals who hold academic appointments with the University). Honours will be assessed by a thesis and research seminar and will be graded to reward and recognise academic achievement.

(1) Objectives of the Honours program

1. To provide training in the core research skills required to undertake future medical research.

2. To recognise high academic achievement throughout the University of Sydney Medical Program.

(2) Timing of Honours application, research work and thesis submission

Students can apply to undertake Honours any time between the end of Block 4 in Stage 1 and 31 March of Year 3. Work on the Honours research project is done between the time of acceptance of the application and 30 June of Year 4, by which time the Honours thesis must be submitted. However, formal enrolment in the Honours/Research Project unit of study (GDMP4110) occurs during the Elective Term, at the end of Year 3.

(3) Eligibility

To be eligible for the award of an MBBS (Honours), students must achieve the following grades in assessments throughout the four years of the University of Sydney Medical Program:

Assessment	Grade required to be eligible for Honours
Year 1 written exam	Satisfactory
Years 1-3 portfolios on Personal and Professional Development	Satisfactory
Year 2 written exam	>75 competency
Year 2 OSCE – practical exam	Satisfactory
Year 3 long case practical exam	Satisfactory
Years 3 and 4 written exams	Average >75 competency

Students receive their Stage 1 and Stage 2 assessment results in a form that allows them to determine whether or not they are eligible for entry into the Honours program. Since the Honours program is integrated into the University of Sydney Medical Program, students may embark on an approved Honours research project if they meet the criteria given in the table above for Years 1 and 2, but can only be awarded Honours if they satisfy the criteria for Years 3 and 4. A student who does not satisfy these criteria but successfully completes a research project that was intended as an Honours project will receive an acknowledgement on his or her academic transcript showing that he or she completed a project worth 12 credit points.

Honours students whose research project is graded as unsatisfactory will be required to undertake an elective at the end of the University of Sydney Medical Program as an additional unit in order to achieve the number of credit points required for the award of the MBBS degree.

(4) Honours research projects

Honours research projects may be in any of a wide range of areas, including clinical fields, medical sciences, rural health, public health, and medical education. Students are encouraged to use the Honours research project as an opportunity to undertake research in international settings. This could, for example, include an off-shore clinical placement that may provide opportunities for data collection in both laboratory and clinical settings.

Projects suitable to be undertaken in Rural Clinical Schools will be made available, potentially in collaboration with metropolitan researchers. Students assigned to Rural Clinical Schools may need a rural co-supervisor. Projects involving innovative teaching methods are also welcome, particularly if there is evaluation of effectiveness in comparison with traditional learning methods.

A six-monthly review of each Honours student's progress will be conducted by the local Honours Coordinator.

Potential Honours candidates should complete their proposal for review by their supervisor and local Honours coordinator by September 30 in the year prior to submission.

A formative Honours seminar should be held within the relevant Discipline or Clinical School.

(5) Honours supervision

At least one supervisor will be appointed by the faculty for each honours student. A sole supervisor is acceptable, provided they have successfully supervised at least one MBBS honours candidate.

The supervisor and the candidate should meet on a regular basis and at least once each month. Training and guidelines for supervisors will be provided. The supervisor will be fully engaged in the project and involved in any publications that result from the honours project.

The supervisor must give written acknowledgement of acceptance of supervisory responsibilities. They must also give written agreement on the submission of the thesis. The honours student is also expected to give an evaluation of the quality of supervision.

(6) Time commitment

The honours/research project unit of study represents 12 credit points and is equivalent to a load of 312 hours.

(7) Assessment and grading

A new system of grading of honours will be introduced in 2011. It will apply to students entering Stage 1 of the University of Sydney Medical Program in 2009.

Assessment and grading of honours will be based on: (1) a research seminar (10% of the honours mark), given in the department or discipline in which the student undertakes the honours research; and (2) a thesis comprising about 10,000 words (90% of honours mark). Three examiners assess the thesis – the supervisor and two others who are experts in the field.

The classes of honours that may be awarded are:

- First Class (where the honours mark is in the range 80-100)
- Second Class Division 1 (75-79)
- Second Class Division 2 (70-74)

Honours grades will be assigned according to the student's final Honours weighted average mark (HWAM). The HWAM will be calculated from the 80 core credit points in Stage 3 plus the Honours mark, which will be given double weighting. Students who achieve an HWAM > 90% may be awarded a University Medal.

Section 2

1. Goals of the University of Sydney Medical Program (USydMP)

The University of Sydney Medical Program is organised, for the purposes of design, implementation, assessment and evaluation, around four themes. The substance of the four themes is necessarily overlapping and the following program objectives should therefore be read as a single statement.

Basic and Clinical Science Theme

Graduates of the University of Sydney Medical Program will demonstrate the ability to:

- apply an understanding of normal and abnormal human structure, function and behaviour to the diagnosis, management and prevention of health problems
- use the best available evidence on outcomes to prevent or cure disease, relieve symptoms or minimise disability
- analyse clinical data and published work to determine their validity and application
- participate in the generation, interpretation, application and dissemination of significant advances in medical knowledge
- recognise the limits to scientific knowledge and understanding, and the continuing nature of all scientific endeavour.

Patient and Doctor Theme

Graduates of the University of Sydney Medical Program will demonstrate:

- understanding of the therapeutic nature of the patient-doctor relationship and the effects on that relationship of the individual characteristics of both patient and doctor
- the ability to listen, to identify issues of concern to patients, families and carers and to respond to those concerns, using whatever means are necessary for effective communication;
- the ability to elicit and interpret clinical symptoms and signs by interviewing and examining patients systematically and with sensitivity, and to use this information to guide further investigations
- the ability to perform important clinical procedures, particularly those vital in life-threatening situations
- ethical behaviour in meeting the needs of patients, families, colleagues and the broader community
- concern for confidentiality and respect for individual autonomy, enabling patients and their families to make informed decisions in relation to their medical care.

Population Medicine Theme

Graduates of the University of Sydney Medical Program will demonstrate the ability to:

- evaluate the distribution of and risk factors for disease and injury
- understand prevention practices in the care of individual patients and communities
- make evidence-based, ethical and economically responsible decisions about the most appropriate management of health problems in individuals and in communities
- identify the economic, psychological, occupational and socio-cultural factors that contribute to the development and/or continuation of poor health and to explain how poor health affects individuals and communities
- evaluate the economic, political, social and legal factors which determine the way that individuals and communities respond to

health problems and to describe how public and population health strategies are systematically planned and implemented.

Personal and Professional Development

Graduates of the University of Sydney Medical Program will:

- show commitment to compassionate, ethical professional behaviour
- be able to work cooperatively as a member of a team, accepting and providing leadership as appropriate
- have the capacity to make rational and sensitive decisions based on the best available evidence, recognising that many decisions will inevitably be made in the face of uncertainty
- be able to recognise their personal physical and emotional needs and responses to stress, and be open to assistance when it is required
- show commitment to the advancement of learning within a community of medical scholars
- have skills in the recording, organisation and management of information, with appropriate use of information technology.

2. Outline of the curriculum

The theme structure ensures that students' knowledge and skills develop systematically over the four years of the University of Sydney Medical Program. The relative contributions of the themes vary at different stages of the curriculum. The initial focus is on basic sciences and basic clinical skills, with progressively increasing emphasis on clinical knowledge, skills and judgment.

The teaching year runs from February to November. The broad curriculum structure for each year in the University of Sydney Medical Program is outlined in the table below. The major themes for every year continue throughout.

- BCS Basic and Clinical Sciences
- P/M Population Medicine
- P/D Patient and Doctor
- PPD Personal and Professional Development

Stage 1					
BCS	Foundation Studies	Drug & Alcohol / Musculoskeletal	Respiratory Sciences	Haematology	Cardiology
P/M					
P/D					
PPD	Block 1	Block 2	Block 3	Block 4	Block 5

Stage 2					
BCS	Neurosciences Vision & Behaviour	Endocrine, Nutrition, Gastroenterology	Renal, Reproduction, Sexual Health	Oncology & Palliative Care	
P/M					
P/D					
PPD	Block 6	Block 7	Block 8	Block 9	

Stage 3, Year 3					
BCS	Term A	Term B	Term C	Term D	Term E
P/M					
P/D					
PPD					

Stage 3, Year 4					
BCS	Term F	Term G	Term H	Term I	Pre-Internship
P/M					
P/D					
PPD					

(1) Stages 1 and 2

During Stages 1 and 2, most learning occurs on campus, with one day per week available for Patient and Doctor sessions in the Clinical Schools to which students are assigned. Two Blocks – Block 4 (Haematology) and Block 9 (Oncology) – are taught entirely in the Clinical Schools.

Aspects of all the major clinical disciplines are introduced in Stages 1 and 2, via the following learning and teaching activities:

- three 1.5 hour problem-based learning sessions each week
- up to six lectures related to the weekly problem, covering issues relevant to all themes but with an emphasis on basic sciences
- two 1.5 hour Basic and Clinical Sciences sessions each week
- two 1.5 hour Patient and Doctor sessions in the Clinical School each week
- either one Population Medicine session or one Personal and Professional Development session or a joint session for 1.5 hours each week.

(a) Problem-based learning

The core of the students' learning is problem-based learning (PBL) which extends throughout the University of Sydney Medical Program. In Stages 1 and 2, PBL tutorials are designed to develop students' ability to relate clinical problems to basic sciences, enhance their clinical reasoning abilities and enhance their skills in working in groups. Each week, students are introduced to a clinical problem (usually relating to a particular patient). The process of thinking through the problem enables students to integrate knowledge and skills within and across the four themes. PBL tutors act as facilitators of the reasoning process rather than subject experts. Attendance at the PBL tutorials is compulsory for all students.

(b) Self-directed learning

During Stages 1 and 2, students develop skills in locating and acquiring information relevant to their studies. By the time they reach Stage 3, students have an independent capacity to direct their learning and find essential information.

(c) Other learning activities

Students attend up to six lectures each week. Lectures provide a broad context for detailed learning and background understanding to assist in the resolution of the weekly problem. Theme sessions are offered for each theme. Some preparatory work (eg readings) may be recommended for preparation beforehand. Basic and Clinical Sciences sessions usually offer opportunities to gain hands-on practical experience and to learn from images, models, slides and specimens. Attendance at these lectures and theme sessions is at the discretion of students, based on their prior experiences and learning needs. In the Population Medicine Theme, sessions are interactive, encouraging debate, and are presented in a variety of formats. Personal and Professional Development Theme sessions are diverse, including aspects of personal development, evidence based medicine, ethics, patient safety and medical humanities. Attendance at these sessions and clinical tutorials is compulsory.

(d) Evidence-based medicine

The University of Sydney Medical Program has a major focus on the critical appraisal of evidence to underpin medical decision-making. From the start, students learn the skills of searching for, identifying and appraising published literature. In Stage 3, they apply these skills in the diagnosis and management of individual patients.

(e) Clinical Schools

The weekly program in the Clinical Schools introduces students to the generic skills of communication with patients, relatives and health professionals involved in their care, as well as specific history-taking, observation and physical examination skills in the body system being studied each week. Students can practice their skills and gain experience, not only by visiting patients but also by using the Clinical Schools' simulation laboratories. By the end of Stage 2, students are

expected to begin integrating knowledge and skills as they communicate with and examine patients.

Block 4 (Haematology, Stage 1) and Block 9 (Oncology, Stage 2) are taught entirely in the Clinical Schools. This is intended to give students two five-week periods of immersion in a clinical setting, providing the opportunity for significant development of clinical skills. PBL tutorials, lectures and theme sessions are conducted in each clinical school. Related computer-based materials are available through the University of Sydney Medical Program website.

(f) Independent Learning Activity

In Stages 1 and 2, students are required to extend the range and depth of their learning by enrolling in an Independent Learning Activity. Choices for Independent Learning Activities are varied and encompass seminar programs, small projects of various types including research, skills-based programs for small groups (eg dissection), education related projects (eg developing computer-based materials or undertaking an evaluative study). Many Independent Learning Activities are generated by students themselves, but others are offered by staff. A list of possible Independent Learning Activities is provided, inviting students to indicate their interest. Independent Learning Activity projects require faculty approval.

(2) Stage 3 (Years 3 and 4)

While practical clinical experience forms the substrate for all learning in the final stage of the University of Sydney Medical Program, there is also a structured teaching program throughout this part of the course. A balance is maintained between clerkship-based activities and scheduled teaching sessions. In general, formal teaching sessions are reduced in number and frequency. Formats used include:

- Lectures and seminars relevant to all four themes
- Evidence-based medicine presentations
- Structured 'hands-on' demonstrations
- Interactive case presentations
- Problem-based learning exercises supported by information technology
- Basic science updates

(a) Core Blocks

These consist of 8 week periods of study in Medicine (2 Blocks), Surgery (1 Block) and Critical Care (1 Block) which occur during years 3 and 4. The core blocks include time allocated to assessment and review. The experience involves student participation in ward services as well as out-patient clinics in the teaching hospitals of the clinical schools. Students are exposed to mainstream medicine and surgery as well as to some subspecialty areas such as ophthalmology, urology and ear, nose and throat surgery.

One day each week (Friday) is dedicated to the structured teaching, with topics being drawn from all four curricular theme areas. Time is also allocated for self-directed learning. Between 50 and 60 per cent of the week is spent directly involved in the clinical activities of the service to which students are attached. A progressive increase in clinical responsibility is expected as the students progress through Stage 3 of the program.

One or more clinical supervisors is appointed for each student for each of their Medicine, Surgery and Critical Care Blocks. The clinical supervisors will be senior clinicians from the Disciplines or Sub-Disciplines where the student is located. For example, a neurologist and a geriatrician would act as supervisors for a student undertaking a Medicine Block which is composed of attachments to Clinical Departments of Neurology and Aged Care. Supervisors will have responsibility for making formal contact with the student(s) under their supervision on at least a weekly basis. A protocol of scheduled tasks must be completed to the supervisors' satisfaction over the duration of the attachment or Block. This will assist in formulating an assessment of the student's progressive mastery of the knowledge and clinical skills relevant to the field concerned.

(b) Specialty Blocks

The Specialty Blocks in Stage 3 are also of 8 weeks duration (including time for assessment and review), and are distributed throughout years 3 and 4. The four Specialty Blocks are:

- Psychological and Addiction Medicine
- Child and Adolescent Health
- Perinatal and Women's Health
- Community

(c) Elective Term

The primary objective of the Elective Term is to provide the student with experience, including research, in a specific area of medicine or surgery of their own choice. Students arrange for their elective placement to be approved prospectively by the faculty, nominating a supervisor who is required to provide a report on the student's performance at the end of the elective. Each student is required to produce their own report on the work undertaken during the Elective Term. A minimum of eight weeks of supervised experience is required for this term. The term is located at the beginning of year 4.

(d) Pre-Internship Term

The Pre-Internship Term aims to ease the transition to internship. Students are placed in approved locations for intern training (accredited by IMET), with programs modified to meet the special needs of final stage students.

Each student in the Pre-Internship Term is responsible for his/her own learning, but with clear requirements to be endorsed at the end of year 4. The term supervisor is responsible for making an end of term recommendation to the Examinations Committee concerning the student's readiness for graduation and internship.

The Pre-Internship Term is normally be undertaken during a period of eight weeks.

(e) Rural practice

In line with Australian Federal Government policy, 25% of local students will complete 50% of their clinical experience in years 3 and 4 (Stage 3) at the Rural Clinical School and University Departments of Rural Health, which have clinical teaching facilities at Dubbo, Orange, Bathurst, Broken Hill and Lismore.

In addition, all local medical students must spend at least eight weeks in rural practice. There are opportunities for rural experience in a number of the Core Blocks as well as during the Specialty Blocks (including four weeks during the Community Block) and in the Pre-Internship Term.

International students, while not required to undertake rural practice, are encouraged to spend time at rural teaching facilities associated with the faculty.

(f) Part-time enrolment in Stage 3

Students may be granted approval to undertake part-time enrolment in Stage 3. This would normally be at the block level. For more information, contact the Office of Medical Education.

3. Discontinuation of enrolment without permission

A candidate who discontinues candidature for the degrees of Bachelor of Medicine and Bachelor of Surgery without having obtained the permission of the dean may be permitted to resume candidature at such time and under such conditions as shall be specified by the dean.

4. Suspension of candidature

A candidate may be granted approval for a suspension from candidature only after completing at least one semester of enrolment. A candidate must obtain approval from the faculty in advance to

suspend their candidature. Each application for suspension will be considered on its individual merits including, but not limited to, for the purpose of undertaking a higher degree, serious illness, misadventure and appropriate professional development. A candidate who has been permitted to suspend candidature shall complete the requirements for the degrees under such special conditions, if any, as the faculty may prescribe.

(1) For the purpose of undertaking a higher degree

With the permission of the dean, a student may interrupt candidature in the University of Sydney Medical Program in order to enrol for another degree in the University of Sydney or any other institution approved by the dean. The student will be permitted to resume the University of Sydney Medical Program at such time and under such conditions as were agreed by the dean at the time permission to suspend was granted.

(2) For any other purpose including, but not limited to, serious illness, misadventure and appropriate professional development

The unit of study structure of the University of Sydney Medical Program is divided into semesters in the following way during 2009:

Stage 1 (Year 1) Semester 1: from start of Block 1 to end of Block 2
Stage 1 (Year 1) Semester 2: from start of Block 3 to end of Block 5
Stage 2 (Year 2) Semester 1: from start of Block 6 to end of Block 7
Stage 2 (Year 2) Semester 2: from start of Block 8 to end of Block 9
Stage 3 (Year 3) Semester 1: from start of Term A to end of Term B
Stage 3 (Year 3) Semester 2: from start of Term C to completion of Term E
Stage 4 Semester 1: from start of Rotation 1 to end of Rotation 2
Stage 4 Semester 2: from start of Rotation 3 to end of Pre-Internship Term

Satisfactory completion of units of study for each semester is a prerequisite for enrolment in subsequent semesters.

Suspension of candidature may be permitted until the commencement of the corresponding academic stage and semester in the following calendar year.

Requests for suspension of candidature submitted after the HECS census dates (31 March for Semester 1 and 31 August for Semester 2), will result in a HECS liability being incurred for the full semester. Suspension of candidature for any one interval of more than 12 months will not be permitted, except in exceptional circumstances and with the approval of the dean (see Section 5, Time limit).

5. Time limit

A candidate enrolled full-time for the MBBS degree must complete all the requirements for the MBBS within five calendar years from and including the year of first enrolment in the University of Sydney Medical Program, unless the dean specifically permits otherwise.

6. Assessment and progression

See also the Academic Board Policy "Assessment and Examination of Coursework" available from the University's Policy Online website: www.usyd.edu.au/policy.

(1) Responsibility for assessment

Responsibility for assessment in the University of Sydney Medical Program is vested in the Sub-dean, Assessment.

Responsibility for assessment for the award of Honours is vested in the Honours Committee.

For the purposes of the Academic Board Policy "Assessment and Examination of Coursework", the coordinator of the relevant Theme acts as the "Head of Department responsible for all academic aspects

of the conduct of assessments in the coursework units of study". Each theme coordinator "shall ensure that the assessments are conducted in accordance with the policies and directions of the Academic Board and the faculty".

For each stage, the dean, on the recommendation of the Office of Medical Education (OME), appoints one or more principal examiners, responsible for the development of all written, practical or other assessments for that stage, and for the recruitment of assessors and/or markers for each assessment. Staff of the Assessment Unit will support the work of the coordinators and principal examiners.

The relevant Theme, Block, Elective or Pre-Internship Coordinator convenes an assessment group to make an academic judgment in respect of the performance of each student in each Stage, on the basis of data supplied by the Assessment Unit. The academic judgments made by each assessment group form recommendations for consideration by the relevant Examination Committee. Each assessment group records and retains such evidence (e.g marking sheets, examination scripts, transcripts of group meetings) as may be required when and if an appeal process requires it.

Each coordinator conveys the recommendations of the relevant group in respect of the result for each student for each unit of study to OME of the faculty, for distribution with any other business papers to the Examination Committee for the relevant academic stage of the program.

(2) Examination Committees

Examination Committees are appointed for each of the three academic stages of the program and comprise the following:

- Dean (Chair)
- Head, Office of Medical Education, who shall chair the committee in the absence of the dean
- Head of Assessment (OME)
- Coordinator of the Basic and Clinical Sciences Theme
- Coordinator of the Patient and Doctor Theme
- Coordinator of the Population Medicine Theme
- Coordinator of the Personal and Professional Development Theme
- Clinical School Associate Deans
- Relevant Stage Coordinators (OME)
- Coordinator of the Clinical Attachments (for Stage 3)
- Coordinators of the Blocks and of each of the Block Committees (for Stage 3)
- Coordinator of the Elective Term (for Stage 3)
- Coordinator of the Pre-Internship term (for Stage 3)
- Chair of the Honours Committee (for Stage 3)

The role of an Examination Committee is to receive recommendations from the respective coordinators of the Themes, the Blocks, the Electives and the Pre-Internship Term, and to determine eligibility for progression or graduation as the case may be. The committee's determination is based solely on student performance in the relevant summative assessments and the requirements for progression (see section (5) below). However, it takes into account any appropriately documented requests for special consideration on account of illness or misadventure (see section (6) below).

Each Examination Committee determines the results of all summative assessments for its respective stage. However, an Examination Committee may refer a special case to the dean of the faculty for final determination.

The coordinator of each Examination Committee will notify the OME's Assessment Unit of the results that are to be transmitted to students.

The Assessment Office will be responsible for forwarding the results to the Student Centre of the university by the due date.

(3) Levels of assessment

The faculty provides three levels of assessment of student progress and achievement:

(a) Formative assessment gives students feedback on their progress in learning. The results of formative assessments do not contribute to decisions about progression or graduation.

(b) The submission of formative work for review and assessment is considered to be professionally appropriate behaviour. Some formative assessments are therefore designated as Required Formative Assessments (RFAs). Students must attend and participate in all the specific formative assessments that are designated as RFAs, as part of the summative assessment requirements. However, performance in RFAs is not routinely taken into account in making decisions about students' grading, progression or graduation.

(c) Summative (barrier) assessments are used for the purpose of making decisions about grading, progression and graduation, and, other than in exceptional circumstances, constitute the sole basis on which such decisions are made.

(4) Assessments

At the beginning of each stage of the University of Sydney Medical Program, the Office of Medical Education publishes an assessment schedule for the stage. The assessment schedule identifies all RFAs and Summative Assessments that an enrolled student is required to complete in order to satisfy the requirements for progression. The schedule fulfils the relevant requirements set out in the Academic Board Policy 'Assessment and Examination of Coursework'.

(5) Requirements for progression

The requirements for progression from one stage to the next are summarised below. The details of requirements for progression, and the provision of remediation and re-assessment, are set out in the faculty's progression policy. Students are also urged to refer to the faculty's attendance policy. These policies are available on the University of Sydney Medical Program website.

Students are strongly advised against entering into travel or other arrangements that may be disrupted if they are required to undertake remediation and re-assessment in the period immediately following any stage of the University of Sydney Medical Program.

(a) Repeating a Stage

On account of the overlapping and interlocking nature of the themes, a student who is required to repeat a stage of the University of Sydney Medical Program (see below) will be required to repeat the whole stage, and will be re-assessed in all themes summatively assessed in that stage. The following procedures will be followed when dealing with repeating students:

1. The Examination Committee will formally notify the coordinator(s) responsible for the Theme(s) in which the student failed and the associate dean of the student's clinical school about the result and need to repeat.
2. The Examination Committee will request the coordinator(s) responsible for the Theme(s) in which the student failed to provide comments about the specific needs of the student to the associate dean of the student's clinical school.
3. The Examination Committee will request that the associate dean of the student's clinical school identify an appropriate supervisor and/or mentor for the repeating student.
4. Information from the coordinator(s) responsible for the Theme(s) in which the student failed will be made available to the student and the supervisor/mentor by the associate dean of the student's clinical school.
5. Unless otherwise determined by the associate dean of the student's clinical school, the student and the supervisor/mentor will meet at least monthly to review progress and identify any problems. Brief reports from these meetings will be submitted to the associate dean of the student's clinical school.

(b) Progression at the end of Stage 1 (Year 1)

Progression at the end of Stage 1 (Year 1) depends on satisfactory performance in all four themes in all designated summative assessments held during Stage 1. These assessments cover material from Stage 1 and may include material regarded as a prerequisite for Stage 1.

A student whose performance fails to meet the theme criteria in one or two (but not more) themes may be reassessed in those themes before the start of the following academic year.

A student who meets the theme criteria on reassessment is eligible to progress to Stage 2.

A student who fails to meet the theme criteria after reassessment, or who fails to meet the theme criteria in more than two themes, is required to repeat Stage 1, and will be reassessed in all themes.

A student who fails to meet the theme criteria after repeating Stage 1 will be required to show cause why he/she should be permitted to re-enrol in Stage 1.

(c) Progression at the end of Stage 2 (Year 2)

Progression at the end of Stage 2 depends on satisfactory performance in all four themes in all designated summative assessments held during Stage 2. These assessments cover material from Stages 1 and 2.

A student whose performance fails to meet the theme criteria in one or two (but not more) themes may be re-assessed in those themes before the start of the following academic year.

A student who meets the theme criteria on re-assessment is eligible to progress to Stage 3.

A student who fails to meet the theme criteria on re-assessment, or who fails to meet the theme criteria in more than two themes, is required to repeat Stage 2, and will be re-assessed in all themes.

A student who fails to meet the theme criteria after repeating Stage 2 will be required to show cause why he/she should be permitted to re-enrol in Stage 2.

(d) Progression at the end of Stage 3

Progression during and at the end of Stage 3 depends on satisfactory performance in all four themes in all designated summative assessments held during Stage 3. These assessments will cover material from Stages 1, 2 and 3 and any material considered as a pre-requisite for Stage 1.

A student whose performance fails to meet the theme criteria in one or two (but not more) themes is required to undertake a remedial program under supervision, and will be re-assessed only in the deficient theme(s). For deficiencies in Year 3 the remedial program may take place during the period normally allotted to the first Clinical Block after the Year 3 summative assessment.

A student who meets the theme criteria on re-assessment is eligible to progress to Year 4, starting with the Elective, and undertaking the fourth Clinical Rotation during the period normally allotted to the Pre-Internship Term.

A student who fails to meet the theme criteria on re-assessment, or who fails to meet the theme criteria in more than two themes, is required to repeat Stage 3, and will be re-assessed in all themes.

A student who fails to meet the theme criteria after repeating Stage 3 will be required to show cause why he/she should be permitted to re-enrol in Stage 3.

(e) Progression in Stage 3 (2009)

A student must meet the theme criteria in all four themes in all designated summative assessments held during all four Clinical Rotations, and in the Elective Term, before progression to the Pre-Internship Term.

Due to the limited duration of each Clinical Rotation, it is not possible to provide time for remediation for students who fail to meet the theme criteria at initial assessment. Such students will be invited to undertake a supplementary assessment in the relevant theme(s), using assessment instruments which are either identical to those used in the first assessment, or are demonstrably similar in their validity and reliability.

A student whose performance at supplementary assessment fails to meet the theme criteria in the Basic and Clinical Sciences Theme and/or Patient and Doctor Theme in a single Block will be required to undertake a remedial block under supervision. Failure at supplementary assessment of the Clinical Service Project will require remedial repeat of the Community Block. Failure at a supplementary assessment will not prejudice scheduled participation in the Elective Term or in subsequent blocks; the remedial block will take place during the period normally allotted to the Pre-Internship Term. If more than one remedial block is required, the remedial blocks will be undertaken during subsequent terms. A student undertaking a remedial block will be assessed in all themes in that block.

Except in the case of the Clinical Service Project in the Community Block, a student whose performance in a supplementary assessment fails to meet the theme criteria in the Population Medicine Theme and/or Personal and Professional Development Theme in a single block will be required to undertake a remedial program under supervision of the chair of the relevant Theme Committee, or a delegate of the chair. The remedial program may entail monitoring and support in the theme during subsequent blocks. Summative re-assessment will occur before the start of the Pre-Internship Term, and will be the responsibility of the supervisors in the block in which the student's performance was originally unsatisfactory, acting in consultation with the relevant Theme chair. A student who fails the summative re-assessment will be required to repeat the block in which his or her performance was unsatisfactory, and will be re-assessed in all themes in that block.

A student who meets all theme criteria in a single remedial block, or who for any other reason completes the requirements for progression to the Pre-Internship Term only at the end of the period normally allotted to the Pre-Internship Term, may enrol in a delayed Pre-Internship Term during the months of January, February and March. When all assessment requirements for that Pre-Internship Term are met, the student will have completed the requirements for graduation.

A student who is required to undertake more than one remedial block, or who is assessed as 'not satisfactory' on a repeat block, or who for any other reason is not eligible to progress to a delayed Pre-Internship Term, may enrol in the next scheduled Pre-Internship Term at the end of that academic stage.

A student who fails to meet the theme criteria after repeating a block will be required to show cause why he/she should be permitted to re-enrol in Stage 3, Year 4.

(f) Progression in the Pre-Internship Term

A student who fails to meet the Pre-Internship assessment criteria by the mid-point of the term will undergo intensive remediation and re-assessment in the second half of the term.

A student who fails to meet the assessment criteria at the end of the Pre-Internship Term will be given an opportunity to enrol in a delayed Pre-Internship Term (January to March).

A student whose first Pre-Internship enrolment is in a delayed Pre-Internship Term (January to March), and who fails to meet the Pre-Internship program criteria, may enrol in the next scheduled Pre-Internship Term at the end of that academic stage.

A student who fails to meet the assessment criteria in a second Pre-Internship Term will be required to show cause why he/she should be permitted to re-enrol in Stage 3, Year 4.

(g) Special consideration

The faculty's guidelines to assist students who believe that they have grounds for special consideration on account of documented illness or misadventure are set out below. In general the guidelines follow those in the Academic Board Policy 'Assessment and Examination of Coursework'.

A request for special consideration, accompanied by satisfactory documentation (see section (j) below for information about satisfactory documentation) must be submitted to the Manager of the Medical Program Administration Unit of the faculty. In the case of illness or misadventure during a stage, the request must be submitted by no later than the day of the first summative assessment for which special consideration is being requested. In the case of illness or misadventure during an assessment, the request must be submitted within seven working days of the last day of the relevant summative assessment. Receipt of the request will be acknowledged in writing by the manager, and the relevant sub-dean, stage coordinator and associate dean will be notified. The request will be forwarded to the chair of the relevant Examination Committee for consideration by that committee.

Certificates and other documentation submitted in support of a request for special consideration will be held in confidence and will be made available only to the relevant Examination Committee and to the dean of the faculty. Special consideration will not be given when the condition is seen to be unrelated to performance in the examinations or is considered not to be serious.

In reviewing the assessment performance of a student who has submitted a request for special consideration, but who has not otherwise met the academic requirements for progression, an Examination Committee may, depending on the duration and seriousness of the circumstances satisfactorily documented by the student, and the quality of the summative assessment performance of the student, determine either:

1. that the student must undertake a specified remedial program (similar in duration to a remedial program specified for a student who has failed to meet the requirements for progression in the same stage) and that, if successful at assessment, the student has met the requirements for progression, or
2. that the student must repeat the stage but without academic penalty (as though it were their first enrolment in the stage).

A student who is enrolled in a remedial program, but who fails to meet the assessment requirements, shall be required to repeat the stage.

It is impossible to specify with precision the duration and seriousness of the circumstances which may lead an Examination Committee to make a particular determination, and it is acknowledged that particular circumstances may have different effects on students from different backgrounds. In general, short-term illness or misadventure that prevented an otherwise well-prepared student from sitting for an assessment or completing a particular assignment might lead to determinations (1) above, especially if the student's performance at assessment had fallen not far short of the required standard.

On the other hand, the interests of a student who had experienced longstanding illness or difficulties which prevented him/her from attending classes or completing required work or which seriously interfered with his/her capacity to study for long periods, or who had performed poorly in the assessment, might be better served by determination (2) above (repeating the stage without penalty).

A student may submit an application for special consideration in relation to a supplementary examination if he or she is unable to sit for the supplementary examination because of illness or misadventure, or if he or she believes that his or her performance in a supplementary examination was affected by illness. However, even if special consideration is granted, no further supplementary examination may be conducted, and the student will therefore not be permitted to progress. However, if the student is granted special consideration, he or she will be eligible to sit for the next scheduled summative assessment corresponding to the student's stage in the University of Sydney Medical Program. The student's result in that summative examination will have the same status as the supplementary examination for which he or she was granted special consideration, for the purposes of assessing eligibility for progression and honours.

(h) Illness or misadventure during a Stage

A student who, because of serious illness or adverse circumstances, does not attend scheduled activities for prolonged periods should seek an early interview with the relevant sub-dean. Even if the absence does not exceed the period specified below, such a student may need to consider whether his/her best academic interests are served by obtaining permission to discontinue from the University of Sydney Medical Program until he/she is able to resume studies effectively.

A request for special consideration, and supporting documentation, should be submitted as early as possible, and not later than the day of the first summative assessment for which special consideration is being requested.

In general, a student who is absent from 10 per cent or more of those activities where attendance is specified as a requirement for progression in the Personal and Professional Development Theme in any Block (Stages 1 and 2), Clinical Attachment or Block (Stage 3) should make a submission to show why he/she should receive special consideration.

If a student is absent for more than a total of five weeks in Stage 1 or Stage 2, without a satisfactorily documented reason, the Examination Committee will require the student to repeat the stage. If the student has a satisfactorily documented reason, the Examination Committee may permit the student to progress to the next stage, provided that he or she meets all the assessment requirements.

If a student is absent from 50% of one Clinical Block (four weeks) in Stage 3, for a satisfactorily documented reason, the Examination Committee, may, if the student meets all the assessment requirements, save for the supervisor's report for the missed Attachment, permit the student to progress to Year 4.

A student who is absent for more than four weeks (either consecutively or separately) in Year 3 for a satisfactorily documented reason, will be required to undertake a supplementary Clinical Block of two four-week attachments in lieu of the first Clinical Block in Stage 4 and will sit a supplementary assessment at the end of that term. Such a student who meets the assessment requirements will progress to Stage 4. A student who fails to meet the assessment requirements will be deemed to have failed and will be required to repeat Stage 3.

A student who is absent from more than 8 weeks in Stage 3, for a satisfactorily documented reason, will be required to repeat Stage 3 without penalty.

A student who does not satisfy the attendance requirements for a single Clinical Block in Stage 3 for a satisfactorily documented reason will be given an opportunity to complete the Block at a later date. This will result in delayed progression to the Pre-Internship Term. Requests to delay a Clinical Block for reasons other than illness or misadventure will not normally be considered.

A student who does not satisfy the attendance requirements for more than one Clinical Block in Stage 3 (whether consecutively or separately), for a satisfactorily documented reason, will be required to repeat the missed Block.

(i) Illness or misadventure at the time of an assessment

A student who believes that his/her attendance or performance at an assessment has been compromised by serious illness or misadventure has a right to request special consideration. The NSW Medical Practice Act requires Deans of medical schools to notify the Board of a student who may be suffering an impairment that might effect the person's capacity to practise medicine on graduation. A referral to the Board is no barrier to a student progressing in the medical program.

In general, a student who becomes ill or suffers misadventure during the examination period or on the day of the examination is encouraged to sit the assessment(s) if at all possible even if special arrangements are needed – for example through the University Health Service – since it is preferable for the assessors to have some data on which to base a judgment rather than none.

Documentation in support of a request for special consideration should be submitted as early as possible, and in any event within seven working days of the last day of the relevant summative assessment. It is recognised that circumstances may make it difficult to assemble the documentation required quickly, and that students may have difficulty in delivering it in person. Nevertheless, the intention to request special consideration should be communicated either electronically or by telephone to the Manager, Medical Program Administration Unit, by or on behalf of the student, not later than the last day of the summative assessment for which special consideration will be sought.

Any illness or misadventure experienced by the student should be fully documented so that an appropriate evaluation of the circumstances and severity of the experiences can be made. The arrangements for assessment of the performance of a student who is unable to attend an assessment, or who is required to re-sit an assessment, will depend on the nature of the assessment.

A student who is unable to submit an assignment or other piece of work by the due date on account of satisfactorily documented illness or misadventure may negotiate a later submission date with the relevant Theme, Block or Pre-Internship Term Committee Chair.

A student who is unable to attend a clinical assessment on account of satisfactorily documented illness or misadventure may negotiate with the relevant Theme, Block or Pre-Internship Term Committee coordinator to be assessed on a later date.

In both these instances, the late submission or assessment must be sufficiently timely to allow the student's performance to be assessed, and a recommendation made by the Theme, Rotation or Pre-Internship Committee to be considered, together with the request for special consideration, at the meeting of the Examination Committee at which the student's performance would have been considered had they been able to submit or attend with their peers.

A student who has been granted leave for late submission or assessment, and whose performance fails to meet the assessment requirements, will be required to present him/herself for re-assessment at the time scheduled for re-assessment of students who have been required to undertake a remedial program and to be re-assessed.

A student who is unable to attend an observed structured clinical examination (OSCE) or one or more written papers, but whose request for special consideration has been granted by the Examination Committee, will be required to present him/herself for assessment at the time scheduled for re-assessment of students who have been required to undertake a remedial program and to be re-assessed.

Considerations of cost and security do not allow the faculty to provide assessments using these instruments for individual students who have been granted special consideration.

The case of a student who has been granted special consideration, and who subsequently fails to meet the assessment requirements, will be considered by the Examination Committee. In these circumstances, an Examination Committee may determine either:

1. that the student be deemed to have met the requirements for progression, or
2. that the student shall repeat the stage without penalty (as though it were the student's first enrolment in the stage).

In reaching its determination in such a case (and only in such a case), the Examination Committee may take into account factors other than the assessment performance of the student.

A student who becomes ill or suffers other misadventure which affects his/her ability to progress in their studies, will be offered assistance and support through the Clinical School Associate Deans, the Sub-Deans and the Associate Dean Student Support.

The NSW Medical Practice Act requires deans of medical schools to notify the Board of a student who may be suffering an impairment that might affect the person's capacity to practice medicine on graduation. A referral to the Board is no barrier to a student progressing in the program.

(j) Satisfactory documentation

(1) A Professional Practitioner Certificate form is supplied with the special consideration form and should be completed by a registered medical practitioner or counsellor for a student whose work during a teaching period or whose performance in an assessment task, including examinations, has been affected by illness or misadventure. Certificates signed by family members are not acceptable. The Professional Practitioner Certificate includes:

- dates of consultation(s)
- an evaluation by the practitioner of the severity and duration of the student's condition and its effect on the student's ability to attend classes, complete assessment requirements and/or undertake learning activities
- a description of the nature and seriousness of the student's condition, within the limits of confidentiality, so that an academic assessment can be made of the possible effects of the student's condition on his or her performance
- any other relevant information relating to the student's condition that may contribute to a fair and comprehensive academic assessment
- an authority for the University to contact the practitioner to confirm the authenticity of the Certificate.

The practitioner or the student may attach any other documentation that may be relevant.

(2) Other documentation will depend on the nature of the misadventure, but it should be provided to support the student's account of the circumstances and indicate the likely duration and the effect of the problem on the student's performance.

(3) The above information is publicised in handbooks and displayed on appropriate notice boards and websites. Where substantial absence has been documented during a Stage, the faculty should establish mechanisms to review each case to ensure that each student has been treated consistently by relevant departments.

(6) Appeals

Any student may appeal against a decision of an Examination Committee. The principles underpinning the procedures to be followed are set out in the Academic Board Policy 'Student Appeals Against Academic Decisions' available from the University's Policy Online website www.usyd.edu.au/policy.

The faculty is currently reviewing the appeals policy. Please refer to www.ome.med.usyd.edu.au, the University of Sydney Medical Program website at www.gmp.usyd.edu.au under the Course Info page and the faculty's website: www.medfac.usyd.edu.au/currentstudent for Appeals policy information.

5. Undergraduate faculty policies and degree regulations

This chapter contains the faculty resolutions for the undergraduate courses in the Faculty of Medicine in the following order:

Bachelor of Medicine and Bachelor of Surgery

Bachelor of Arts (Advanced) (Honours)/Bachelor of Medicine and Bachelor of Surgery

Bachelor of Commerce/Bachelor of Medicine and Bachelor of Surgery

Bachelor of Economics/Bachelor of Medicine and Bachelor of Surgery

Bachelor of Medical Science/Bachelor of Medicine and Bachelor of Surgery

Bachelor of Music Studies/Bachelor of Medicine and Bachelor of Surgery

Bachelor of Science (Advanced)/Bachelor of Medicine and Bachelor of Surgery

These resolutions must be read in conjunction with the *University of Sydney (Coursework) Rule 2000 (as amended)*, which sets out the requirements for all coursework courses. See the website: www.usyd.edu.au/handbooks/university_information/01_uni_coursework_rule.

Bachelor of Medicine and Bachelor of Surgery

Resolutions of the Senate

1. Requirements for the pass degree

- 1.1 To qualify for the award of the pass degree, candidates must:
 - 1.1.1 complete successfully prescribed units of study giving credit for a total of 192 credit points; and
 - 1.1.2 satisfy the requirements of all other relevant By-laws, Rules and Resolutions of the University.

2. Requirements for the honours degree

- 2.1 To qualify for the award of the honours degree, candidates must complete the honours requirements published in the Faculty Resolutions relating to the course.

Resolutions of the Faculty

1. Admission

- 1.1 Admission to the Bachelor of Medicine and Bachelor of Surgery is based on the following criteria:
 - 1.1.1 academic performance in the applicant's most recently completed bachelor's degree;
 - 1.1.2 performance in the Graduate Australian Medical Schools Admission Test (GAMSAT) or Medical Colleges Admissions Test (MCAT) for international applicants only; and
 - 1.1.3 performance in an interview process.
- 1.2 Information on the assessment of each of these criteria is outlined in the Faculty of Medicine Handbook.
- 1.3 In the interest of equity and fairness to all applicants, those applicants who do not meet the Faculty's admission criteria, including the required grade point average (GPA), will not be considered for admission to the University of Sydney Medical Program. The GPA requirements shall apply, regardless of circumstances such as illness, misadventure or disadvantage during the bachelor's degree.
- 1.4 No preference or advanced standing is offered to any applicant.
- 1.5 No credit is given for previous units of study.
- 1.6 No exemptions from units of study are offered, however applicants who have completed the Bachelor of Dentistry at the University of Sydney may request consideration for exemption from the non-clinical components of Stages 1 and 2 of the Bachelor of Medicine and Bachelor of Surgery.

- 1.7 Transfer of enrolment between medical schools is not possible except in very exceptional circumstances and only with the approval of the deans/heads of the two schools involved.

1.8 Deferrals

- 1.8.1. Deferral of enrolment after acceptance of an offer of admission may only be permitted under the following circumstances:
 - 1.8.1.1 Deferral for one year may be permitted in the event of serious illness or misadventure that could not have been foreseen at the time of application. Appropriate evidence and documentation acceptable to the faculty must be provided to support such a request for deferral.
 - 1.8.1.2 Deferral for one year may be permitted to allow suitably qualified applicants to undertake an additional research year for an honours degree (i.e. those applicants enrolled in the final year of a bachelor's degree which leads directly to a one-year research program for an honours level degree).
 - 1.8.1.3 Deferral for up to three years may be permitted to allow applicants who are enrolled in a higher research degree at a tertiary institution at the time of application to the University of Sydney Medical Program to complete that higher degree.
 - 1.8.1.4 In exceptional circumstances, the dean may permit deferral for one year to allow suitably qualified applicants to complete a non-degree postgraduate research year at an institution approved by the faculty.
 - 1.8.1.5 Requests for deferral must be in writing and must be received by faculty by 30 November. Requests will be considered by the Admissions Committee and the Dean of the Faculty of Medicine.
- 1.9 An applicant who believes that his or her performance at interview has been compromised by serious illness or misadventure, may appeal in writing to the Faculty following the procedures outlined in the Faculty of Medicine handbook.

2. Units of study

- 2.1 The units of study for the degree are set out in the Faculty of Medicine Handbook.

3. Requirements for the pass degree

- 3.1 To qualify for the award of the pass degree students must:
 - 3.1.1 gain a minimum of 192 credit points by successfully completing all prescribed units of study; and
 - 3.1.2 satisfy the requirements of all other relevant by-laws, rules and resolutions of the University.

4. Requirements for the honours degree

- 4.1 The degrees of Bachelor of Medicine and Bachelor of Surgery may be awarded with honours.
- 4.2 To qualify for the award of the Bachelor of Medicine and Bachelor of Surgery with Honours a student must:
 - 4.2.1 complete the requirements for the pass degree of the Bachelor of Medicine and Bachelor of Surgery; and
 - 4.2.2 achieve a level of performance in both the research project and coursework as defined by the HWAM (Honours weighted average mark) as set out in the Faculty Handbook.
- 4.3 The class of Honours is awarded on the basis of a student's HWAM as specified in the table in 4.3.1:

Description	Mark range
Honours Class I	80 to 100
Honours Class II (Division 1)	75 to 79
Honours Class II (Division 2)	70 to 74

- 4.4 A student with an HWAM of 90 or above may be awarded a University medal.
- 4.5 A student who undertakes a research project and obtains either a mark between 50 and 69 for the research project or an HWAM



- of less than 70, will not be awarded honours but will have "Research Project" listed on the academic transcript.
- 4.6 A student who fails the research project will be required to undertake an elective.
5. **Time limit**
- 5.1 A full-time candidate for the degrees of Bachelor of Medicine and Bachelor of Surgery shall complete all the requirements for the degrees not earlier than the end of the eighth semester of enrolment and not later than the end of the tenth semester of enrolment.
- 5.2 A part-time candidate for the degrees of Bachelor of Medicine and Bachelor of Surgery shall complete all the requirements for the degrees not earlier than the end of the eighth semester of enrolment and not later than the end of the fourteenth semester of enrolment.
6. **Suspension of candidature**
- 6.1 A candidate may be granted approval for a suspension from candidature only after completing at least one semester of enrolment.
- 6.2 A candidate must obtain approval from the faculty in advance to suspend their candidature.
- 6.3 Each application for suspension will be considered on its individual merits including, but not limited to, for the purpose of undertaking a higher degree, serious illness, misadventure and appropriate professional development.
- 6.4 A candidate who has been permitted to suspend candidature shall complete the requirements for the degrees under such special conditions, if any, as the faculty may prescribe.
7. **Progression requirements**
- 7.1 No candidate shall be permitted to enrol in any academic stage unless that candidate has satisfied all the requirements prescribed for the preceding stage.
- 7.2 A candidate who has failed to satisfy the requirements for a particular academic stage, shall be required to repeat that stage and, in doing so, shall complete all prescribed units of study for that stage.
8. **Discontinuation of enrolment without permission**
- 8.1 A candidate who discontinues candidature for the degrees of Bachelor of Medicine and Bachelor of Surgery without having obtained the permission of the dean may be permitted to resume candidature at such time and under such conditions as shall be specified by the dean.

Bachelor of Arts (Advanced) (Honours)/Bachelor of Medicine and Bachelor of Surgery

Participating Faculties: Faculty of Arts and Faculty of Medicine

1. Admission

- 1.1 To be considered for entry to the Combined Arts and Medicine course, students must fulfil the requirements for entry to the Faculty of Arts/Medicine Program Scholarships, including the requisite UAI. Shortlisted students are required to attend a semi-structured interview on the basis of which selection to the degree is decided. Students must commence in the first year of the combined program.
- 1.2 All applications for admission to candidature to an undergraduate degree in the Faculty of Arts will be subject to the Undergraduate Admissions Policy of the Faculty of Arts.

2. Requirements for the Bachelor of Arts (Advanced) (Honours)/Bachelor of Medicine and Bachelor of Surgery

- 2.1 To qualify for the award of the Bachelor of Arts (Advanced) (Honours)/Bachelor of Medicine and Bachelor of Surgery a student shall:
- 2.1.1 complete units of study having a total value of at least 336 credit points;
- 2.1.2 complete all requirements for the degree of Bachelor of Arts (Advanced) (Honours) in minimum time and maintain, as a minimum, a credit average in Bachelor of Arts (Advanced) (Honours), being the minimum level of academic performance required for admission to candidature for the degrees of MBBS;
- 2.1.3 satisfactorily complete three zero credit point units;
- 2.1.4 complete 18 junior credit points in designated Science units of study; and
- 2.1.5 meet the requirements of the Bachelor of Arts (Advanced) (Honours) degree outlined below.

- 2.2 A student may proceed through the degree of Bachelor of Arts (Advanced) (Honours) to the degrees of Bachelor of Medicine and Bachelor of Surgery.
- 2.3 Students who fail to satisfy 2.1.2 and/or 2.1.3 will be transferred to candidature for the Bachelor of Arts (Advanced) (Honours) degree. Such students will be allowed to count the 18 junior credit points from the designated Science units of study toward the completion of the Bachelor of Arts (Advanced) (Honours) degree.
- 2.4 To qualify for the award of Bachelor of Arts (Advanced) (Honours) degree as part of the combined Bachelor of Arts (Advanced) (Honours)/MBBS program, students must be admitted to candidature for the combined program and complete 144 credit points in total, including:
- 2.4.1 18 junior credit points in designated Science units of study (Biology or Molecular Biology and Genetics, Physics and Chemistry);
- 2.4.2 a minimum of 78 Senior (2000-3000 level) credit points from the Table of Units of Study for the Bachelor of Arts degree, including a Part A major consisting of 36 senior credit points in a single subject area, or cross-listed between subject areas, as outlined in Faculty of Arts Resolutions Section 3 The Major and cross-listing in the Faculty of Arts Undergraduate Resolutions. The credit points completed under 2.4.1 must include all pre-requisites and entry requirements for the 4000-level units required in 2.4.3;
- 2.4.3 after completion of the requirements of 2.4.1 and 2.4.2, 48 4000-level credit points from a single subject area from Part A of the Table (this may be the same subject area as the major), or from two subject areas, as required in Section 4 *Requirements for Honours Degrees* in the Faculty of Arts Undergraduate Resolutions. Students attempting Double or Joint Honours may include one subject area from Part B of the Table.
- 2.4.4 no more than 60 2000-3000 level senior credit points from any single subject area in the Table;
- 2.4.5 no more than 36 Intermediate/Senior credit points from units of study in Part B of the Table, except that students who intend to undertake Double or Joint Honours may take up to 48 intermediate/senior credit points from units of study in Part B of the Table in one of their Honours subjects;
- 2.5 To qualify for the award of the degrees of Bachelor of Medicine and Bachelor of Surgery a student shall complete units of study having a total value of 192 credit points as required by the Resolutions of the Faculty of Medicine.
- 2.6 Students may abandon the combined degree course and elect to complete the BA (Advanced) (Honours) degree.

3. Requirements for Honours Degrees

- 3.1 The grade of honours and the honours mark are determined by performance in the honours course according to the following:
- 3.1.1 Honours Class I 80-100
- 3.1.2 Honours Class II (Division I) 75-79
- 3.1.3 Honours Class II (Division 2) 70-74
- 3.1.4 Honours Class III 65-69
- 3.1.5 Awarded Bachelor of Arts degree (Honours not awarded) 50-64
- 3.2 A student who fails to complete 48 4000-level credit points, or whose final result is below 50, will be allowed to enrol as a Bachelor of Arts candidate under the resolutions for that degree, with full credit for all 2000-3000 level units of study completed in their Bachelor of Arts (Advanced) (Honours) candidature.
- 3.3 A student who Fails or Discontinue–Fails an honours course may not re-enrol in it.

4. Award of Bachelor of Arts (Advanced) (Honours)/Bachelor of Medicine and Bachelor of Surgery

- 4.1 A credit average must be maintained throughout the Bachelor of Arts (Advanced) (Honours) degree, successful completion of three zero credit point units of study and 18 Junior credit points of designated Science units of study, as well as the successful completion of MBBS requirements.
- 4.2 Students will be under the general supervision of the Faculty of Arts until the end of the semester in which they complete the requirements for the Bachelor of Arts (Advanced) (Honours) degree. After that they will be under the general supervision of the Faculty of Medicine.

4.3 The Deans of the Faculties of Medicine and Arts shall jointly exercise authority in any matter concerning the combined degree program not otherwise dealt with in these resolutions.

5. Details of Units of Study

5.1 Students are to refer to the table of units of study provided in the *Arts Undergraduate Handbook*. Students are also required to complete:

5.1.1 Three compulsory zero credit point units of study: Communication in teams, Introduction to Clinical Research Ethics, Introduction to Medical Ethics.

5.1.2 Two elective zero credit point units of study drawn from a field of interest to the student and approved by both Faculties.

5.1.3 Six junior credit points of Chemistry.

5.1.4 Six junior credit points of Physics.

5.1.5 Six junior credit points of Biology or Molecular Biology and Genetics.

5.2 Students are to refer to the Units of Study for the University of Sydney Medical program provided in the Faculty of Medicine Resolutions.

6. Credit transfer policy in accordance with the University of Sydney Coursework Rule 2000 and Academic Board Policies.

6.1 It is not possible for students enrolled in the Bachelor of Arts (Advanced) (Honours)/MBBS to obtain credit through transfer.

Bachelor of Commerce AND Bachelor of Medicine and Bachelor of Surgery

1. Admission

1.1 To be considered for entry to the Bachelor of Commerce/Bachelor of Medicine and Bachelor of Surgery, students must fulfil all admission requirements of the combined degree program.

1.2 Admission is determined on the basis of the New South Wales Higher School Certificate, or its interstate or overseas equivalent, at a level determined each year by the Faculty of Economics and the Faculty of Medicine. Candidates should normally:

1.2.1 have gained a Universities Admission Index (UAI) through the Higher School Certificate;

1.2.2 attend an interview with a panel organised by the Faculty of Medicine.

2. Units of study

2.1 The units of study which may be taken for the Bachelor of Commerce are set out under the tables of undergraduate units of study in the Faculty of Economics and Business Handbook, together with:

2.1.1 designation as junior, senior or honours level;

2.1.2 credit point value;

2.1.3 the units of study with which they are mutually exclusive;

2.1.4 the semesters in which they are offered;

2.1.5 corequisites/prerequisites/assumed learning/assumed knowledge;

2.1.6 the faculty responsible for the unit of study; and

2.1.7 any special conditions.

2.2 The units of study for progression to the Bachelor of Medicine and Bachelor of Surgery that are to be undertaken as part of the Bachelor of Commerce component of the degree will include:

2.2.1 Two compulsory zero credit point units of study: SMTP1000 Communicating Effectively in Teams and SMTP2000 Introduction to Clinical Research Ethics; and

2.2.2 One elective zero credit point unit of study drawn from a field of interest to the student and approved by both Faculties.

2.2.3 Six junior credit points of Chemistry.

2.2.4 Six junior credit points of Physics.

2.2.5 Six junior credit points of Biology or Molecular Biology & Genetics.

2.3 Students take units of study with a total credit point value of 24 credit points per semester for 6 semesters to acquire the pass degree in the Bachelor of Commerce.

2.4 Students take units of study with a total credit point value of 24 credit points per semester for a further 8 semesters to acquire the Bachelor of Medicine and Bachelor of Surgery.

3. Requirements for the Bachelor of Commerce/Bachelor of Medicine and Bachelor of Surgery

3.1 To qualify for the award of the Bachelor of Commerce/Bachelor of Medicine and Bachelor of Surgery a student shall:

3.1.1 complete units of study having a total value of at least 336 credit points;

3.1.2 complete all requirements for the degree of Bachelor of Commerce in minimum time and maintain, as a minimum, a credit average in the Bachelor of Commerce, being the minimum level of academic performance required for admission to candidature for the degrees of Bachelor of Medicine and Bachelor of Surgery;

3.1.3 satisfactorily complete three zero credit point units of study, as outlined in 2.2.1 and 2.2.2, in the first three years of the program;

3.1.4 complete 18 junior credit points in designated Science units of study as outlined in 2.2.3, 2.2.4 and 2.2.5; and

3.1.5 meet the requirements for the Bachelor of Commerce degree outlined below.

3.2 A student may proceed through the degree of Bachelor of Commerce degree to the degrees of Bachelor of Medicine and Bachelor of Surgery.

3.3 Students who fail to satisfy 3.1.2 or 3.1.3 or 3.1.4 will be transferred to candidature for the Bachelor of Commerce degree.

3.4 To qualify for the Bachelor of Commerce pass degree, a student must complete successfully units of study amounting to a total of 144 credit points, including:

3.4.1. 7 core units of study (comprising 36 junior and 6 senior credit points), as specified in the Faculty of Economics and Business Handbook; and

3.4.2 either a major (minimum of 36 senior credit points) or an extended major (minimum of 48 senior credit points), comprising units of study as specified in the Faculty of Economics and Business Handbook, from one of the following subject areas:

3.4.2.1 Accounting;

3.4.2.2 Business Information Systems;

3.4.2.3 Commercial Law;

3.4.2.4 Econometrics;

3.4.2.5 Economics;

3.4.2.6 Finance;

3.4.2.7 Industrial Relations and Human Resource Management;

3.4.2.8 International Business;

3.4.2.9 Management

3.4.2.10 Operations Management and Decision Sciences; or

3.4.2.11 Marketing.

3.5 no more than 60 credit points of junior units of study; and

3.6 no more than 48 credit points of junior units of study from another Faculty of the University.

3.7 Table 1 Core requirements for BCom in the BCom/MBBS award course

3.7.1 Students should complete a minimum of the following number of credit points in each area throughout their course and reach the following minimum levels of achievement (see Table):

Area: core units	Minimum credit points	Requirements
Core Commerce units: junior	36 credit points	<ul style="list-style-type: none"> • ACCT1001 • ACCT1002 • ECMT1010 • ECON1001 • ECON1002 • INFS1000
Core Commerce units: senior	6 credit points	ECOF3001

5. Undergraduate faculty policies and degree regulations

Area: core units	Minimum credit points	Requirements
Either a major	36 senior credit points	One of the fields of study taught within the Faculty of Economics and Business: <ul style="list-style-type: none"> Accounting Business Information Systems Commercial Law Econometrics Economics Finance Industrial Relations and Human Resource Management International Business Management Marketing Operations Management and Decision Sciences
OR extended major	48 senior credit points	One of the fields of study taught within the Faculty of Economics and Business
Additional elective units	Either 48 credit points (if major completed) OR 36 credit points if extended major completed)	96 credit points in Faculty of Economics and Business and 84 senior credit points overall
Science	18 credit points	Students must take 6 junior credit points of Chemistry; 6 junior credit points of Physics; and 6 junior credit points of Biology or Molecular Biology & Genetics
Medicine	0 credit points	Students must satisfactorily complete 3 zero credit point units offered by the Faculty of Medicine
Other faculty study	maximum of 30 credit points	It is possible for students to complete up to 30 credit points from other faculties (outside of Economics and Business and Medicine) as part of this degree provided all other degree requirements have been met.
144 credit points (total)		

4. Requirements for the honours degree

- 4.1 The Bachelor of Commerce may be awarded either with honours in any one of the subject areas where honours units are listed below in the Tables of undergraduate units of study Faculty of Economics and Business or, as approved by the Faculty of Economics and Business, with joint honours in two of these subject areas.
- 4.2 Honours may also be awarded in any other area offered by another Faculty of the University, as approved by the Faculty of Economics and Business.
- 4.3 To qualify for the award of the honours degree a student must complete successfully an additional year of study (the honours year), as specified in the Faculty of Economics and Business Handbook.
- 4.4 To enrol in the honours year, a student must satisfy the following:
- 4.4.1 successful completion of the requirements for the pass degree;
- 4.4.2 confirmation of the student's eligibility for entry to the honours year from the relevant Discipline(s)/Department;
- 4.4.3 any other requirements for entry into the honours year set by the relevant Discipline(s)/Department and the Faculty of Economics and Business, unless otherwise approved by the Faculty of Economics and Business.
- 4.5 The classes for the award of honours are specified in the following table:

Description	Mark range
Honours Class I and University Medal*	90 to 100*
Honours Class I	80 to 100
Honours Class II (Division 1)	75 to 79
Honours Class II (Division 2)	70 to 74
Honours Class III	65 to 69
Pass	50 to 64

Description	Mark range
<i>*Please Note: This is a minimum criterion only, other criteria apply</i>	

5. Award of the Bachelor of Commerce / MBBS award course

- 5.1 The Bachelor of Commerce may be awarded in two grades, namely pass and honours.
- 5.1.1 The testamur for the pass degree shall specify the major(s) completed.
- 5.1.2 The testamur for the honours degree shall specify the subject area(s) and the grade of honours. It shall not include majors.

6. Award of the Bachelor of Commerce/Bachelor of Medicine and Bachelor of Surgery

- 6.1 A student will be eligible for award of the Bachelor of Commerce/Bachelor of Medicine and Bachelor of Surgery degrees if a credit average or greater is maintained throughout the Bachelor of Commerce degree, and if the student has successfully completed three zero credit point units of study, as set out in 2.2.1 and 2.2.2 of these Resolutions, 18 Junior credit points of designated Science units of study as set out in 2.2.3, 2.2.4 and 2.2.5 of these Resolutions, and all requirements of the Bachelor of Medicine and Bachelor of Surgery.
- 6.2 Students will be under the general supervision of the Faculty of Economics and Business until the end of the semester in which they complete the requirements for the Bachelor of Commerce degree. From that point students will be under the general supervision of the Faculty of Medicine.
- 6.3 The Associate Dean (Undergraduate) for the Faculty of Economics and Business and the Dean of the Faculty of Medicine shall jointly exercise authority in any matter concerning the combined degree program not otherwise dealt with in these resolutions.

7. Details of units of study

- 7.1 Students are to refer to the Table of units of study undergraduate provided in the Faculty of Economics and Business Handbook for normal progression through the Bachelor of Commerce pathway degree.
- 7.2 Students are to refer to the units of study for the University of Sydney Medical program and for the Economics and Business-Medicine Transition Program published in the Faculty of Medicine Handbook.
- 7.3 Prerequisites, corequisites, assumed knowledge, mode of delivery, assessment and course content for units of study are as published annually in the Faculty of Economics and Business Handbook and the Faculty of Medicine Handbook and as advised in unit of study outlines.

8. Variation of normal load

- 8.1 A normal full-time load is defined as an enrolment in a program of units of approved study to a total value of 24 credit points in any one semester.
- 8.2 Providing the student maintains a full-time load, permission to vary the normal pattern of progression may be granted at the discretion of the Undergraduate Program Adviser at the Faculty of Economics and Business and the Dean of the Faculty of Medicine.
- 8.2.1 A student who is permitted to undertake a minimum of three quarters of the full number of units prescribed for a course in any semester or year shall be regarded as a full-time student for that semester or year.
- 8.2.2 Except with the approval of the Undergraduate Program Adviser at the Faculty of Economics and Business and the Dean of the Faculty of Medicine, a student shall not be permitted to undertake a load that exceeds the normal full-time load by more than one quarter in any one semester.

9. Cross-institutional study

- 9.1 It is not possible for students enrolled in the Bachelor of Commerce/Bachelor of Medicine and Bachelor of Surgery to undertake cross-institutional study.

10. Restrictions on enrolment

- 10.1 Rules on enrolment in units of study in the Bachelor of Commerce are governed by subsections of the Rules of the Faculty of Economics and Business, published in the Faculty's Handbook.
- 10.2 Rules on enrolment in units of study in the Bachelor of Medicine and Bachelor of Surgery are governed by the Faculty of

Medicine Resolutions published in the Faculty of Medicine Handbook.

11. Discontinuation of enrolment, suspension of candidature and re-enrolment after an absence

11.1 Rules on Discontinuation of Enrolment, suspension of candidature and re-enrolment after an absence are governed by subsections of the Rules of the Faculty of Economics and Business published in the Faculty's Handbook and website.

11.2 Rules on Discontinuation of Enrolment, suspension of candidature and re-enrolment after an absence in the Bachelor of Medicine and Bachelor of Surgery are governed by the Faculty of Medicine Resolutions published in the Faculty of Medicine Handbook.

12. Satisfactory progress

12.1 During the first three years of the degree, on the recommendation of the Associate Dean for Undergraduate Studies within the Faculty of Economics and Business, and the Dean of the Faculty of Medicine, a candidate may be called upon to show cause as to why that candidature should not be terminated by reason of unsatisfactory progress towards completion of the combined degree; and

12.1.1 where, in the opinion of the Associate Dean for the Faculty of Economics and Business and the Dean of the Faculty of Medicine, the candidate does not show good cause, terminate the candidature.

12.2 The Resolutions and Rules on satisfactory progression in both faculties will also comply with the University's policy on Identifying and Supporting Students at Risk of Exclusion.

13. Time limit

13.1 A student shall be required to complete the degrees of Bachelor of Commerce/Bachelor of Medicine and Bachelor of Surgery according to section 3 of these Resolutions.

14. Assessment policy

14.1 Rules on assessment in the program are provided through the Unit of Study Outlines in the Faculty of Economics and Business and by the Faculty of Medicine Resolutions published in the Faculty of Medicine Handbook.

14.2 Candidates may be assessed by a combination of written and oral examinations, written essays, assignments and reports, seminar, workshop and meeting participation, professional experience or any combination of these as the faculties may determine.

14.3 Further assessment may be permitted in a unit of study in cases of special consideration, in accordance with Academic Board policy, the Faculty Resolutions for both faculties, governing illness or misadventure.

15. Credit transfer policy

15.1 Nil

Bachelor of Economics AND Bachelor of Medicine and Bachelor of Surgery

Course rules

1. Admission

1.1 To be considered for entry to the Bachelor of Economics/Bachelor of Medicine and Bachelor of Surgery, students must fulfil all admission requirements of the combined degree program.

1.2 Admission is determined on the basis of the New South Wales Higher School Certificate, or its interstate or overseas equivalent, at a level determined each year by the Faculty of Economics and the Faculty of Medicine. Candidates should normally:

1.2.1 have gained a Universities Admission Index (UAI) through the Higher School Certificate;

1.2.2 attend an interview with a panel organised by the Faculty of Medicine.

2. Units of study

2.1 The units of study which may be taken for the Bachelor of Economics are set out under the tables of undergraduate units of study in the Faculty of Economics and Business Handbook, together with:

2.1.1 designation as junior, senior or honours level;

2.1.2 credit point value;

2.1.3 the units of study with which they are mutually exclusive;

2.1.4 the semesters in which they are offered;

2.1.5 corequisites/prerequisites/assumed learning/assumed knowledge;

2.1.6 the faculty responsible for the unit of study; and

2.1.7 any special conditions.

2.2 The units of study for progression to the Bachelor of Medicine and Bachelor of Surgery that are to be undertaken as part of the Bachelor of Economics component of the degree will include:

2.2.1 Two compulsory zero credit point units of study: SMTP1000 Communicating Effectively in Teams and SMTP2000 Introduction to Clinical Research Ethics; and

2.2.2 One elective zero credit point unit of study drawn from a field of interest to the student and approved by both Faculties.

2.2.3 Six junior credit points of Chemistry.

2.2.4 Six junior credit points of Physics.

2.2.5 Six junior credit points of Biology or Molecular Biology & Genetics.

2.3 Students take units of study with a total credit point value of 24 credit points per semester for 6 semesters to acquire the pass degree in the Bachelor of Economics.

2.4 Students take units of study with a total credit point value of 24 credit points per semester for a further 8 semesters to acquire the Bachelor of Medicine and Bachelor of Surgery.

3. Requirements for the Bachelor of Economics/Bachelor of Medicine and Bachelor of Surgery

3.1 To qualify for the award of the Bachelor of Economics/Bachelor of Medicine and Bachelor of Surgery a student shall:

3.1.1 complete units of study having a total value of at least 336 credit points;

3.1.2 complete all requirements for the degree of Bachelor of Economics in minimum time and maintain, as a minimum, a credit average in the Bachelor of Economics, being the minimum level of academic performance required for admission to candidature for the degrees of Bachelor of Medicine and Bachelor of Surgery;

3.1.3 satisfactorily complete three zero credit point units of study, as outlined in 2.2.1 and 2.2.2, in the first three years of the program;

3.1.4 complete 18 junior credit points in designated Science units of study as outlined in 2.2.3, 2.2.4 and 2.2.5; and

3.1.5 meet the requirements for the Bachelor of Economics degree outlined below.

3.2 A student may proceed through the degree of Bachelor of Economics degree to the degrees of Bachelor of Medicine and Bachelor of Surgery.

3.3 Students who fail to satisfy 3.1.2 or 3.1.3 or 3.1.4 will be transferred to candidature for the Bachelor of Economics degree.

3.4 To qualify for the Bachelor of Economics pass degree, a student must complete successfully units of study amounting to a total of 144 credit points, including:

3.4.1 4 core units of study (comprising 24 junior credit points), as specified in the Faculty of Economics and Business Handbook; and either:

3.4.2 a major (minimum of 36 senior credit points) or an extended major (minimum of 48 senior credit points), comprising units of study from the subject area of Economics, as specified in the Faculty of Economics and Business Handbook; or

3.4.3 a major (minimum of 36 senior credit points) or an extended major (minimum of 48 senior credit points), comprising units of study from the subject area of Econometrics, and at least 12 credit points of senior units of study from the subject area of Economics, as specified in the Faculty of Economics and Business Handbook;

3.5 no more than 60 credit points of junior units of study; and

3.6 no more than 48 credit points of units of study from another Faculty of the University.

3.7 Table 1 Core requirements for BEc in the BEc/MBBS award course

3.7.1 Students should complete a minimum of the following number of credit points in each area throughout their course and reach the following minimum levels of achievement (see Table):

5. Undergraduate faculty policies and degree regulations

Area /core units	Minimum credit points	Requirements
Foundation Economics and Econometrics units (junior)	24 credit points	<ul style="list-style-type: none"> ECMT1010 ECMT1020 ECON1001 ECON1002
A major/extended major in EITHER Economics; OR	36 senior credit points (major); 48 senior credit points (extended major)	senior ECOS units
Econometrics	36 senior credit points (major); 48 senior credit points (extended major)	senior ECMT units If Econometrics major/extended major completed, 12 senior credit points in Economics units (ECOS) must also be completed
Additional elective units	Either: 36 credit points (if ECOS major completed) or 24 credit points (if ECMT major completed); OR 24 credit points (if ECOS extended major completed) or 12 credit points (if ECMT extended major completed)	96 credit points in Faculty of Economics and Business and 84 senior credit points overall
Science	18 credit points	Students must take 6 junior credit points of Chemistry; 6 junior credit points of Physics; and 6 junior credit points of Biology or Molecular Biology & Genetics
Medicine	0 credit points	Students must satisfactorily complete 3 zero credit point units offered by the Faculty of Medicine
Other faculty study	maximum of 30 credit points	It is possible for students to complete up to 30 credit points from other faculties (outside of Economics and Business and Medicine) as part of this degree provided all other degree requirements have been met.
	144 credit points (total)	

4. Requirements for the honours degree in the Bachelor of Economics / Bachelor of Medicine and Bachelor of Surgery

- 4.1 The Bachelor of Economics may be awarded either with honours in any of the subject areas where honours units are listed in the tables of undergraduate units of study or, as approved by the Faculty of Economics and Business, with joint honours in two of these subject areas.
- 4.2 Honours may also be awarded in any other area offered by another Faculty of the University, as approved by the Faculty of Economics and Business.
- 4.3 To qualify for the award of the honours degree a student must complete successfully an additional year of study (the honours year), as specified in the Faculty of Economics and Business Handbook.
- 4.4 To enrol in the honours year, a student must satisfy the following:
 - 4.4.1 successful completion of the requirements for the pass degree;
 - 4.4.2 have confirmation of the student's eligibility for entry to the honours year from the relevant Discipline(s) / Department; and
 - 4.4.3 any other requirements for entry into the honours year set by the relevant Discipline(s)/Department and the Faculty of Economics and Business, unless otherwise approved by the Faculty of Economics and Business.
- 4.5 The classes for the award of honours are specified in the following table:

Description	Mark range
Honours Class I and University Medal*	90 to 100*
Honours Class I	80 to 100
Honours Class II (Division 1)	75 to 79
Honours Class II (Division 2)	70 to 74

Description	Mark range
Honours Class III	65 to 69
Pass	50 to 64
<i>*Please Note: This is a minimum criterion only, other criteria apply</i>	

5. Award of the Bachelor of Economics / MBBS award course

- 5.1 The Bachelor of Economics may be awarded in two grades, namely pass and honours.
- 5.2 The testamur for the pass degree shall specify the major(s) completed.
 - 5.2.1 The testamur for the honours degree shall specify the subject area(s) and the grade of honours.
 - 5.2.2 It shall not include majors.

6. Award of the Bachelor of Economics/Bachelor of Medicine and Bachelor of Surgery

- 6.1 A student will be eligible for award of the Bachelor of Economics/Bachelor of Medicine and Bachelor of Surgery degrees if a credit average or greater is maintained throughout the Bachelor of Economics degree, and if the student has successfully completed three zero credit point units of study, as set out in 2.2.1 and 2.2.2 of these Resolutions, 18 Junior credit points of designated Science units of study as set out in 2.2.3, 2.2.4 and 2.2.5 of these Resolutions, and all requirements of the Bachelor of Medicine and Bachelor of Surgery.
- 6.2 Students will be under the general supervision of the Faculty of Economics and Business until the end of the semester in which they complete the requirements for the Bachelor of Economics degree. From that point students will be under the general supervision of the Faculty of Medicine.
- 6.3 The Associate Dean (Undergraduate) for the Faculty of Economics and Business and the Dean of the Faculty of Medicine shall jointly exercise authority in any matter concerning the combined degree program not otherwise dealt with in these resolutions.

7. Details of units of study

- 7.1 Students are to refer to the Table of units of study?undergraduate provided in the Faculty of Economics and Business Handbook for normal progression through the Bachelor of Economics pathway degree.
- 7.2 Students are to refer to the units of study for the University of Sydney Medical program and for the Economics and Business-Medicine Transition Program published in the Faculty of Medicine Handbook.
- 7.3 Prerequisites, corequisites, assumed knowledge, mode of delivery, assessment and course content for units of study are as published annually in the Faculty of Economics and Business Handbook and the Faculty of Medicine Handbook and as advised in unit of study outlines.

8. Variation of normal load

- 8.1 A normal full-time load is defined as an enrolment in a program of units of approved study to a total value of 24 credit points in any one semester.
- 8.2 Providing the student maintains a full-time load, permission to vary the normal pattern of progression may be granted at the discretion of the Undergraduate Program Adviser at the Faculty of Economics and Business and the Dean of the Faculty of Medicine.
 - 8.2.1 A student who is permitted to undertake a minimum of three quarters of the full number of units prescribed for a course in any semester or year shall be regarded as a full-time student for that semester or year.
 - 8.2.2 Except with the approval of the Undergraduate Program Adviser at the Faculty of Economics and Business and the Dean of the Faculty of Medicine, a student shall not be permitted to undertake a load that exceeds the normal full-time load by more than one quarter in any one semester.

9. Cross-institutional study

- 9.1 It is not possible for students enrolled in the Bachelor of Economics/Bachelor of Medicine and Bachelor of Surgery to undertake cross-institutional study.

10. Restrictions on enrolment

- 10.1 Rules on enrolment in units of study in the Bachelor of Economics are governed subsections of the Rules of the Faculty of Economics and Business, published in the Faculty's Handbook.

- 10.2 Rules on enrolment in units of study in the Bachelor of Medicine and Bachelor of Surgery are governed by the Faculty of Medicine Resolutions published in the Faculty of Medicine Handbook.
- 11. Discontinuation of enrolment, suspension of candidature and re-enrolment after an absence**
- 11.1 Rules on Discontinuation of Enrolment, suspension of candidature and re-enrolment after an absence are governed by subsections of the Rules of the Faculty of Economics and Business published in the Faculty's Handbook and website.
- 11.2 Rules on Discontinuation of Enrolment, suspension of candidature and re-enrolment after an absence in the Bachelor of Medicine and Bachelor of Surgery are governed by the Faculty of Medicine Resolutions published in the Faculty of Medicine Handbook.
- 12. Satisfactory progress**
- 12.1 During the first three years of the degree, on the recommendation of the Associate Dean for Undergraduate Studies within the Faculty of Economics and Business and the Dean of the Faculty of Medicine, a candidate may be called upon to show cause as to why that candidature should not be terminated by reason of unsatisfactory progress towards completion of the combined degree; and
- 12.2.1 where, in the opinion of the Associate Dean for the Faculty of Economics and Business and the Dean of the Faculty of Medicine, the candidate does not show good cause, terminate the candidature.
- 12.3 The Resolutions and Rules on satisfactory progression in both faculties will also comply with the University's policy on Identifying and Supporting Students at Risk of Exclusion.
- 13. Time limit**
- 13.1 A student shall be required to complete the degrees of Bachelor of Economics/Bachelor of Medicine and Bachelor of Surgery according to section 3 of these Resolutions.
- 14. Assessment policy**
- 14.1 Rules on assessment in the program are provided through the Unit of Study Outlines in the Faculty of Economics and Business and by the Faculty of Medicine Resolutions published in the Faculty of Medicine Handbook.
- 14.2 Candidates may be assessed by a combination of written and oral examinations, written essays, assignments and reports, seminar, workshop and meeting participation, professional experience or any combination of these as the faculties may determine.
- 14.3 Further assessment may be permitted in a unit of study in cases of special consideration, in accordance with Academic Board policy, the Faculty Resolutions for both faculties, governing illness or misadventure.
- 15. Credit transfer policy**
- 15.1 Nil
- 2.3 The Dean may permit a student of exceptional merit who is admitted to the Talented Student Program to undertake a unit or units of study within the Faculty other than those specified in Table IV.
- 2.4 There shall be honours units of study in Science subject areas listed in Table IV D.
- 2.5 Units of study taken at the University of Sydney Summer School which correspond to units of study specified in subsection 4 may be credited towards the course requirements.
- 3. Requirements for the award of the degrees**
- 3.1 To qualify for the award of the BMedSc/MBBS degrees a student shall:
- 3.1.1 complete units of study having a total value of at least 336 credit points;
- 3.1.2 complete the Bachelor of Medical Science in minimum time and maintain, as a minimum, a credit average in the Bachelor of Medical Science, being the minimum level of academic performance required for admission to candidature for the degrees of MBBS;
- 3.1.3 satisfactorily complete three zero credit point units in the first three years of the program; and
- 3.1.4 meet the requirements of the Bachelor of Medical Science degree.
- 3.1.5 Students who fail to satisfy 3.1.2 and/or 3.1.3 will be transferred to candidature for the Bachelor of Medical Science degree.
- 3.1.6 To qualify for the award of the degrees of Bachelor of Medicine and Bachelor of Surgery a student shall complete units of study having a total value of 192 credit points as required by the Resolutions of the Faculty of Medicine.
- 3.1.7 Students may abandon the combined degree course and elect to complete the Bachelor of Medical Science.
- 4. Requirements for the award of the Bachelor of Medical Science**
- 4.1 In order to qualify for the award of the Bachelor of Medical Science degree a student shall complete units of study having a total value of at least 144 credit points, including:
- 4.1.1 at least 48 credit points from junior units of study, comprising MBLG1001 and 12 credit points each from Chemistry, Mathematics and Physics or Computational Science and 6 credit points from Biology;
- 4.1.2 no more than 60 credit points from junior units of study;
- 4.1.3 48 credit points of Intermediate core units of study listed in Table IV;
- 4.1.4 at least 36 credit points of senior units of study taken from the subject areas of Anatomy/Histology, Biology (Genetics), Biochemistry, Cell Pathology, Immunology, Infectious Diseases, Microbiology, Pharmacology and Physiology;
- 4.1.5 no more than 12 credit points from units of study other than core units of study.
- 4.1.6 Units of study taken at the University of Sydney Summer School which correspond to units of study specified in subsection 3 may be credited towards the course requirements.
- 5. Requirements for the honours degree**
- 5.1 Students who qualify to undertake honours in the Bachelor of Medical Science degree may elect to do so either:
- 5.1.1 by suspending candidature from the MBBS degrees for one year, with the permission of the Faculty of Medicine; or
- 5.1.2 after completion of the combined course.
- 5.2 In order to qualify to enrol in an honours course in the BMedSc, students shall either:
- 5.2.1 have qualified for the award of the Bachelor of Medical Science degree; or
- 5.2.2 be a pass graduate in Medical Science of the Faculty of Science; or
- 5.2.3 be a pass graduate holding a Bachelor of Medical Science degree or an equivalent qualification from another institution;
- 5.2.4 have completed a minimum of 24 credit points of senior units of study relating to the intended honours course (or equivalent at another institution);
- 5.2.5 have achieved either:
- 5.2.5.1 at least a credit average in 48 credit points in relevant intermediate and senior Science units of study; or
- 5.2.5.2 a SCIWAM of at least 65; and
- 5.2.5.3 satisfy any additional criteria set by the Head of Department concerned.

Bachelor of Medical Science/MBBS

Course rules

1. Admission

- 1.1 All applications for admission to candidature to the combined Bachelor of Medical Science/MBBS course will be subject to the Undergraduate Admissions policies of the Faculty of Science and of the Faculty of Medicine.
- 1.2 A candidate may elect to abandon the combined degree course and elect to complete the BMedSc degree.

2. Units of study

- 2.1 The units of study for the Bachelor of Medical Science are set out in Table IV together with:
- 2.1.1 designation as junior, intermediate, senior or honours and, where appropriate, as advanced units of study
- 2.1.2 credit point values
- 2.1.3 assumed knowledge, corequisites and prerequisites
- 2.1.4 the semesters in which they are offered; and
- 2.1.5 the units of study with which they are mutually exclusive.
- 2.2 A student may enrol, in accordance with subsection 4.1.5, in a unit of study prescribed for a degree other than the Bachelor of Medical Science and shall satisfy the prerequisites, corequisites, qualifying and other requirements prescribed for such units of study for that other degree.

- 5.3 Students shall complete the requirements for the course full-time over two consecutive semesters.
- 5.4 If the Faculty is satisfied that a student is unable to attempt the honours course on a full-time basis and if the Head of Department concerned so recommends, permission may be granted to undertake honours half-time over four consecutive semesters.
- 5.5 To qualify for the award of honours in the Bachelor of Medical Science degree, students shall complete 48 credit points of honours units of study in one subject area from those listed in Table IV D.
- 5.6 The grade of honours and the honours mark are determined by performance in the honours course.
- 5.6.1 Honours in the Bachelor of Medical Science may be awarded in four classes as follows:
- 5.6.1.1 Class I (mark range: 80 and above)
- 5.6.1.2 Class II(1) (mark range: 75-79)
- 5.6.1.3 Class II(2) (mark range: 70-74)
- 5.6.1.4 Class III (mark range: 65-69)
- 5.6.2 A student with an honours mark of 90 or greater in an honours subject area and a minimum SCIWAM of 80 shall, if deemed to be of sufficient merit by the Dean, receive a bronze medal.
- 5.7 A student who is qualified to enrol in two honours courses may either:
- 5.7.1 complete the honours courses in the two subject areas separately and in succession; or
- 5.7.2 complete a joint honours course, equivalent to an honours course in a single subject area, in the two subject areas.
- 5.8 A student may not re-attempt an honours course in a single subject area.
- 6. Supervision**
- 6.1 Students will be under the general supervision of the Faculty of Science until the end of the semester in which they complete the requirements for the BMedSc degree. After that they will be under the general supervision of the Faculty of Medicine.
- 6.2 The Deans of the Faculties of Medicine and Science shall jointly exercise authority in any matter concerning the combined degree program not otherwise dealt with in these resolutions.

Faculty rules

7. Details of units of study

- 7.1 The units of study for the Bachelor of Medical Science are listed in Table IV of these resolutions.
- 7.2 A candidate for the course shall proceed by completing units of study as prescribed by the Faculty.
- 7.3 A unit of study shall consist of such lectures, seminars, tutorial instruction, essays, exercises, practical work, or project work as may be prescribed.
- 7.4 In these resolutions, 'to complete a unit of study' or any derivative expression means:
- 7.4.1 to attend the lectures and the meetings, if any, for seminars or tutorial instruction;
- 7.4.2 to complete satisfactorily the essays, exercises, practical and project work if any; and
- 7.4.3 to pass any other examination of the unit of study that may apply.
- 7.5 All units of study for a particular subject area may not be available every semester.

8. Enrolment in more/less than minimum load

- 8.1 A candidate may not enrol in additional units of study once the degree requirements of 336 credit points have been satisfied, without first obtaining permission from the Dean.
- 8.2 Students may enrol on either a full-time or part-time basis.

9. Cross-institutional study

- 9.1 Provided that permission has been obtained in advance, the Dean 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:
- 9.1.1 the unit of study content is material not taught in any corresponding unit of study in the University; or
- 9.1.2 the student is unable for good reason to attend a corresponding unit of study at the University.

10. Restrictions on enrolment

- 10.1 Except with the permission of the Dean, candidates may not enrol in an intermediate core unit of study until they have

completed 42 credit points of junior units of study prescribed by the Faculty.

- 10.2 Except with the permission of the Dean, candidates may not enrol in a senior unit of study:
- 10.2.1 until they have gained credit for at least 42 credit points from core intermediate units of study; and
- 10.2.2 until they have completed the intermediate units of study prescribed as prerequisites for the senior unit of study, as set out in Table IV.
- 10.2.3 Enrolment in some senior units of study may be subject to a quota.
- 10.3 Where a student enrolls in a unit of study which is the same as, or has a substantial amount in common with, a unit of study previously attempted but not completed satisfactorily, the Head of Department concerned may exempt the student from certain requirements of the unit of study requirements if satisfied that the relevant competence has been demonstrated.
- 10.4 A student may not enrol in a unit of study which they have completed previously with a grade of pass or better.
- 10.5 A candidate may not enrol in units of study having a total value of more than 30 credit points in a semester.
- 10.6 In satisfying the requirements of subsection 4.1.3 a student may not enrol in units of study which overlap substantially in content with units of study listed in subsection 4.1.4.
- 10.7 A student may not enrol without first obtaining permission from the Dean in:
- 10.7.1 additional units of study once the degree requirements of 144 credit points have been satisfied; or
- 10.7.2 units of study which may not be counted towards the course requirements.

11. Discontinuation of enrolment

- 11.1 A student who does not enrol in any semester without first obtaining written permission from the Dean to suspend candidature will be deemed to have discontinued enrolment in the course.
- 11.2 Students who have discontinued from the course will be required to apply for admission to the course and be subject to admission requirements pertaining at that time.

12. Suspension of candidature

- 12.1 A student may seek written permission from the Dean to suspend candidature in the course.
- 12.2 Suspension may be granted for a maximum of one year on any one application.

13. Re-enrolment after an absence

- 13.1 A student who plans to re-enrol after a period of suspension must advise the Faculty of Science Office in writing of their intention by no later than the end of October for First Semester of the following year or the end of May for Second Semester of the same year.

14. Satisfactory progress

- 14.1 14.1 A student shall not have made satisfactory progress in any semester if the student:
- 14.1.1 14.1.1 fails to complete successfully more than 50% of the credit points in which the student was enrolled for that semester; and/or
- 14.1.2 14.1.2 fails to complete successfully on the second or later attempt the same unit of study; and/or
- 14.1.3 14.1.3 is consequently unable to complete the degree within the maximum permitted time while carrying a normal student load.
- 14.2 14.2 A student who has not made satisfactory progress in accordance with 12.1.1 or 12.1.2 will be placed on a Faculty list of students at risk and will be required to take steps in accordance with the University's At Risk policy as implemented by the Faculty of Science;
- 14.2.1 14.2.1 a student who is placed on the Faculty's At Risk list for any three semesters shall be required to show good cause why the student should be permitted to reenrol in the degree;
- 14.2.2 14.2.2 a student who has failed to show good cause in accordance with 12.2.1 shall be excluded from the degree;
- 14.2.3 14.2.3 a student who has been permitted to reenrol after having been asked to show good cause and is placed on a Faculty list of students at risk for the fourth time will be automatically excluded from the degree.

15. Time limit

15.1 A candidate must complete all the requirements for the award of the degrees within ten calendar years of admission to candidature or readmission without credit.

15.1.1 If a candidate is readmitted with credit, the Faculty will determine a reduced time limit for completion of the degree.

16. Assessment policy

16.1 Students may be tested by written and oral examinations, exercises, essays or practical work or any combination of these as the Faculty may determine.

16.2 Where a unit of study is offered at different levels of difficulty, the performance of students will be matched so that a grade obtained at one level indicates a quality of work comparable with that required for the same grade at the other level(s).

16.3 Heads of Department may arrange for further testing in cases of special consideration, in accordance with Academic Board policy governing illness and misadventure.

17. Credit transfer policy

17.1 Credit will not be granted for units of study completed 10 years or more prior to application, except with the permission of the Dean.

17.2 Credit may be granted as specific credit if the unit of study is considered to be directly equivalent to a unit of study in Tables I or IV, or as non-specific credit.

17.3 The total amount of credit granted may not be greater than 96 credit points and may not include more than 48 credit points of units of study from other degrees for which credit is maintained or a degree has been conferred.

17.4 All students, notwithstanding any credit transfer, must complete at least 36 credit points of senior Science units of study in accordance with subsection 3.1.4.

18. Candidates enrolled before 2005

18.1 These Resolutions apply to all candidates for the degree enrolling in units of study after 1 January 2005.

18.2 With the permission of the Faculty of Science, candidates who first enrolled for the degree prior to 2005 and have not had a period of suspension or exclusion may until 31 March 2008 choose to qualify for the degree under the old resolutions.

18.3 With the permission of the Faculty of Science, candidates who first enrolled for the degree as part-time candidates prior to 2005 and have not had a period of suspension or exclusion may until 31 March 2010 choose to qualify for the degree under the old resolutions.

19. Specific glossary for the Bachelor of Medical Science/MBBS

19.1 AAM means the average mark over all units of study attempted in a given academic year (equivalent to the calendar year).

19.2 Completion of a unit of study means that the assessment requirements have been satisfied and a grade of pass or better has been achieved.

19.3 Intermediate unit of study is at second-year (2000) level. Its prerequisites or assumed knowledge are junior or intermediate units of study and corequisites are other intermediate units of study.

19.4 Senior unit of study is at third-year (3000) level. Its prerequisites or assumed knowledge are junior, intermediate or senior units of study and corequisites are other senior units of study.

19.5 Honours unit of study is a 4000 level unit offered within an honours course.

19.6 Advanced unit of study is a unit which generally parallels a normal unit of study but which provides added breadth of material and/or sophistication of approach.

19.7 Dean means the Dean of Science for the duration of the candidature for the Bachelor of Medical Science, and the Dean of Medicine for the duration of candidature for the MBBS.

19.8 Faculty means the Faculty of Science for the duration of candidature in the Bachelor of Medical Science and Faculty of Medicine for the duration of candidature in the MBBS.

19.9 Degrees means the Bachelor of Medical Science/MBBS.

19.10 Student means a person enrolled as a candidate for the degree of Bachelor of Medical Science.

19.11 TSP means the Talented Student Program in the Faculty of Science.

19.12 SCIWAM means the weighted average mark calculated by the Faculty from the results for all intermediate and senior units of

study with a weighting of 2 for intermediate units and 3 for senior units.

Bachelor of Music Studies/Bachelor of Medicine and Bachelor of Surgery*Course rules***1. Admission**

1.1 To be considered for entry to the Bachelor of Music Studies/Bachelor of Medicine and Bachelor of Surgery, students must fulfil all admission requirements of the combined degree program.

1.2 Admission is determined on the basis of the New South Wales Higher School Certificate, or its interstate or overseas equivalent, at a level determined each year by the Faculty of Medicine and the Sydney Conservatorium of Music. Candidates should normally:

1.2.1 have gained a Universities Admission Index (UAI) through the Higher School Certificate or equivalent, including English and Music at the level of the Music 2 syllabus (or equivalent);
1.2.2 undertake a music skills or jazz aptitude test; and
1.2.3 undertake an interview and/or audition according to their proposed Principal Study as set out below.

1.2.3.1 Performance: Applicants for this Principal Study are required to undertake a practical audition in the nominated instrument or in voice according to requirements set by the Sydney Conservatorium of Music Undergraduate Studies Committee.

1.2.3.2 Composition: Applicants for this Principal Study are required to submit at least three compositions in different performance media which should represent their present level of achievement as composers and to attend an interview.

1.2.3.3 Musicology: Applicants for this Principal Study are required to present an example of recent written work and to attend an interview.

1.2.4 Students must also attend an interview with a panel organised by the Faculty of Medicine.

2. Units of study

2.1 The units of study that may be taken for the Bachelor of Music Studies are set out under subject areas in the Table of units of study - undergraduate published in the Sydney Conservatorium of Music Handbook.

2.2 The units of study for progression to the Bachelor of Medicine and Bachelor of Surgery that are to be undertaken as part of the Bachelor of Music Studies component of the degree will include:

2.2.1 Two compulsory zero credit point units of study: SMTP1000 Communicating Effectively in Teams and SMTP2000 Introduction to Clinical Research Ethics; and

2.2.2 One elective zero credit point unit of study drawn from a field of interest to the student and approved by both Faculties.

2.2.3 Six junior credit points of Chemistry.

2.2.4 Six junior credit points of Physics.

2.2.5 Six junior credit points of Biology or Molecular Biology and Genetics.

2.3 Students take units of study with a total credit point value of 24 credit points per semester for six semesters to acquire the pass degree in the Bachelor of Music Studies.

2.4 Students take units of study with a total credit point value of 24 credit points per semester for a further eight semesters to acquire the Bachelor of Medicine and Bachelor of Surgery.

3. Requirements for the Bachelor of Music Studies/Bachelor of Medicine and Bachelor of Surgery

3.1 To qualify for the award of the Bachelor of Music Studies/Bachelor of Medicine and Bachelor of Surgery a student shall:

3.1.1 complete units of study having a total value of at least 336 credit points;

3.1.2 complete all requirements for the degree of Bachelor of Music Studies in minimum time and maintain, as a minimum, a credit average in the Bachelor of Music Studies, being the minimum level of academic performance required for admission to candidature for the degrees of Bachelor of Medicine and Bachelor of Surgery;

- 3.1.3 satisfactorily complete three zero credit point units of study, as outlined in 2.2.1 and 2.2.2, in the first three years of the program;
- 3.1.4 complete 18 junior credit points in designated Science units of study as outlined in 2.2.3, 2.2.4 and 2.2.5; and
- 3.1.5 meet the requirements of the Bachelor of Music Studies degree outlined below.
- 3.2 A student may proceed through the degree of Bachelor of Music Studies to the degrees of Bachelor of Medicine and Bachelor of Surgery.
- 3.3 Students who fail to satisfy 3.1.2 or 3.1.3 or 3.1.4 will be transferred to candidature for the Bachelor of Music Studies degree.
- 3.4 To qualify for the award of the Bachelor of Music Studies pass degree students must be admitted to candidature for the degree and complete 144 credit points of study over three years of full-time study. The credit points for units completed should include:
- 3.4.1 six semesters of Principal Study, as defined below;
- 3.4.2 core requirements of the BMus Studies as set out in Table 1 below; and
- 3.4.3 other units of study of the student's choice.
- 3.5 The Bachelor of Music Studies degree is structured to allow students flexibility in their choice of units. Students may choose units of study taught outside the Sydney Conservatorium of Music and/or the Faculty of Medicine with permission of both faculties.
- 3.6 Principal Study may be taken in Composition (instrumental/vocal or electroacoustic) or Musicology or in the Performance majors of French Horn, Trombone, Trumpet, Tuba, Baroque Flute, Harpsichord, Lute, Recorder, Viola da Gamba, Accompaniment, Organ, Piano, Percussion, Double Bass, Guitar, Harp, Viola, Violin, Violoncello, Bassoon, Clarinet, Flute, Oboe, Saxophone or Voice (Classical or Jazz) or other instruments as may be approved by the Sydney Conservatorium of Music Undergraduate Studies Committee.
- 3.7 Table 1 Core requirements for BMus Studies in the BMus Studies/MBBS award course
- 3.7.1 Students should complete a minimum of the following number of credit points in each area throughout their course and reach the minimum levels of achievement as shown in Table 8 below.
- 4. Requirements for the Bachelor of Music Studies (Honours) degree in the Bachelor of Music Studies / Bachelor of Medicine and Bachelor of Surgery**
- 4.1 The grade of honours and the honours mark are determined by performance in the honours course according to the following:
- 4.1.1 Honours Class I HWAM 80 – 100
- 4.1.2 Honours Class II (Division I) HWAM 75 – 79
- 4.1.3 Honours Class II (Division II) HWAM 70 – 74
- 4.1.4 Honours Class III HWAM 65 – 69
- 4.2 HWAM is the honours weighted average mark calculated by the Faculty from results in all 1000, 2000, 3000 and 4000 units of study attempted for the degree in the appended fourth year, with a weight of 1, 2, 3 and 4 for the respective levels. Honours-specific units of study are given double weighting in this calculation:

Calculation of HWAM	
(HWAM =)	$\frac{\sum M \times C \times L}{\sum C \times L}$
where C = credit value of unit; L = level or weighting of unit; M = mark gained in unit	

- 4.3 Eligibility for admission to honours: Students in the combined Bachelor of Music Studies/Bachelor of Medicine and Bachelor of Surgery program who wish to qualify to enrol as Bachelor of Music Studies (Honours) candidates must:
- 4.3.1 have qualified for the award of the pass degree of Bachelor of Music Studies from the University of Sydney; and
- 4.3.2 have achieved a Credit average in years two and three of the pass degree program with a Distinction average in the Principal Study area in years two and three; and
- 4.3.3 have submitted an Honours Project proposal to the Sydney Conservatorium of Music Undergraduate Studies Committee

- in the semester before they intend to enrol in the honours year; and
- 4.3.4 have prepared an audition and/or attended an interview.
- 4.4 Candidates who meet the requirements set out in 4.3 must also have written permission of the Sydney Conservatorium Honours Coordinator and the Deans of both faculties to enrol in the honours year.
- 4.5 Requirements for the Honours degree**
- 4.5.1 To qualify for the honours degree, eligible candidates must complete the following requirements:
- 4.5.1.1 Candidates should enrol in PERF4601 Honours Project 1 (12 credit points) and PERF4602 Honours Project 2 (12 credit points) and successfully complete those units of study; and
- 4.5.1.2 candidates should enrol in another 24 credit points to be chosen by the student in consultation with the Honours supervisor and successfully complete those units of study. These credit points should be in units of study relevant to the Honours Project and may, with approval, be taken in other Faculties.
- 4.6 The honours degree will not be awarded for a final HWAM result of below 65.
- 5. Award of the Bachelor of Music Studies with Merit in the BMus Studies / MBBS award course**
- 5.1 The Bachelor of Music Studies pass degree may be awarded with merit.
- 5.1.1 Conditions for the award of the pass degree with merit shall be determined by the Undergraduate Studies Committee and set out in the Sydney Conservatorium of Music Handbook.
- 5.2 An award with merit is not available to students enrolled in the honours year.
- 6. Award of the Bachelor of Music Studies/Bachelor of Medicine and Bachelor of Surgery**
- 6.1 A student will be eligible for award of the Bachelor of Music Studies / Bachelor of Medicine and Bachelor of Surgery degrees if a credit average or greater is maintained throughout the Bachelor of Music Studies degree, and if the student has successfully completed three zero credit point units of study, as set out in 2.2.1 and 2.2.2 of these Resolutions, 18 Junior credit points of designated Science units of study as set out in 2.2.3, 2.2.4 and 2.2.5 of these Resolutions, and all requirements of the Bachelor of Medicine and Bachelor of Surgery.
- 6.2 Students will be under the general supervision of the Sydney Conservatorium of Music until the end of the semester in which they complete the requirements for the Bachelor of Music Studies degree. From that point students will be under the general supervision of the Faculty of Medicine.
- 6.3 The Deans of the Sydney Conservatorium of Music and the Faculty of Medicine shall jointly exercise authority in any matter concerning the combined degree program not otherwise dealt with in these resolutions.

Faculty rules

- 7. Details of units of study**
- 7.1 Students are to refer to the Table of units of study - undergraduate provided in the Sydney Conservatorium of Music Handbook for normal progression through the Bachelor of Music Studies degree.
- 7.2 Students are to refer to the units of study published in the Faculty of Medicine Handbook for the University of Sydney Medical program and for the Music-Medicine Transition Program.
- 7.3 Prerequisites, corequisites, assumed knowledge, mode of delivery, assessment and course content for units of study are as published annually in the Sydney Conservatorium of Music Handbook and the Faculty of Medicine Handbook and as advised in unit of study outlines.
- 8. Variation of normal load**
- 8.1 A normal full-time load is defined as an enrolment in a program of units of approved study to a total value of 24 credit points in any one semester.

- 8.2 Providing the student maintains a full-time load, permission to vary the normal pattern of progression may be granted at the discretion of the Head of School, in consultation with the Deans of both faculties.
- 8.2.1 A student who is permitted to undertake a minimum of three quarters of the full number of units prescribed for a course in any semester or year shall be regarded as a full-time student for that semester or year.
- 8.2.2 Except with the approval of the Head of School, in consultation with the Deans of both faculties, a student shall not be permitted to undertake a load that exceeds the normal full-time load by more than one quarter in any one semester.
- 9. Cross-institutional study**
- 9.1 It is not possible for students enrolled in the Bachelor of Music Studies/Bachelor of Medicine and Bachelor of Surgery to undertake cross-institutional study.
- 10. Restrictions on enrolment**
- 10.1 Rules on enrolment in units of study in the Bachelor of Music Studies are governed by Rule 3 and subsections of the Rules of the Sydney Conservatorium of Music published in the Sydney Conservatorium of Music Handbook.
- 10.2 Rules on enrolment in units of study in the Bachelor of Medicine and Bachelor of Surgery are governed by the Faculty of Medicine Resolutions published in the Faculty of Medicine Handbook.
- 11. Discontinuation of enrolment**
- 11.1 Rules on Discontinuation of Enrolment in the Bachelor of Music Studies are governed by Rule 4.6 and subsections of the Rules of the Sydney Conservatorium of Music published in the Sydney Conservatorium of Music Handbook.
- 11.2 Rules on Discontinuation of Enrolment in the Bachelor of Medicine and Bachelor of Surgery are governed by the Faculty of Medicine Resolutions published in the Faculty of Medicine Handbook.
- 12. Suspension of candidature and re-enrolment after an absence**
- 12.1 Rules on withdrawal from a unit of study, suspension of candidature and re-enrolment after an absence in the Bachelor of Music Studies are governed by Rules 4.5.5 and 4.6 and subsections of the Rules of the Sydney Conservatorium of Music published in the Sydney Conservatorium of Music Handbook.
- 12.2 Rules on suspension of candidature and re-enrolment after an absence in the Bachelor of Medicine and Bachelor of Surgery are governed by the Faculty of Medicine Resolutions published in the Faculty of Medicine Handbook.
- 13. Satisfactory progress**
- 13.1 Rules on satisfactory progression in this program are governed by sections 3.1-3.3 and subsections of these Resolutions, Rule 4 and subsections of the Rules of the Sydney Conservatorium of Music published in the Sydney Conservatorium of Music Handbook and by the Faculty of Medicine Resolutions published in the Faculty of Medicine Handbook.
- 13.2 During the first three years of the degree, on the recommendation of the Head of School and in accordance with Rule 4 and subsections and Rule 5.8 and subsections of the Rules of the Sydney Conservatorium of Music, the Deans of the Sydney Conservatorium of Music and the Faculty of Medicine may call upon any candidate to show cause why that candidature should not be terminated by reason of unsatisfactory progress towards completion of the combined degree; and
- 13.2.1 where, in the opinion of the Deans of both faculties, the candidate does not show good cause, terminate the candidature.
- 13.3 The Resolutions and Rules on satisfactory progression in both faculties will also comply with the University's policy on Identifying and Supporting Students at Risk of Exclusion.
- 14. Time limit**
- 14.1 A student shall be required to complete the degrees of Bachelor of Music Studies/Bachelor of Medicine and Bachelor of Surgery according to section 3 of these Resolutions, Rule 6 of the Rules of the Sydney Conservatorium of Music, published in the Sydney Conservatorium of Music Handbook, and by the Faculty of Medicine Resolutions published in the Faculty of Medicine Handbook.

15. Assessment policy

- 15.1 Rules on assessment in the program are governed by Rule 5 and subsections of the Rules of the Sydney Conservatorium of Music, published in the Sydney Conservatorium of Music Handbook, and by the Faculty of Medicine Resolutions published in the Faculty of Medicine Handbook.
- 15.2 Candidates may be assessed by performance projects, recitals and performance examinations, written and oral examinations, written essays, assignments and reports, compositions and other original creative work, laboratory work, seminar, workshop and meeting participation, professional experience or any combination of these as the faculties may determine.
- 15.3 Further assessment may be permitted in a unit of study in cases of special consideration, in accordance with Academic Board policy, the Faculty Resolutions of the Faculty of Medicine and rules 5.3.2 and 5.4 and subsections of the Rules of the Sydney Conservatorium of Music governing illness or misadventure.
- 16. Credit transfer policy**
- 16.1 Students enrolled in Bachelor of Music Studies / Bachelor of Medicine and Bachelor of Surgery prior to 1 January 2008 may apply in writing to the Manager, Student Administration, Sydney Conservatorium of Music, to transfer to the new award course. Units of study successfully completed will be counted for credit in the new award course.

Bachelor of Science (Advanced)/MBBS

Course rules

1. Admission

- 1.1 All applications for admission to candidature for the combined Bachelor of Science (Advanced)/MBBS course will be subject to the Undergraduate Admissions policies of the Faculty of Science and of the Faculty of Medicine.

2. Units of study

- 2.1 The units of study for the Bachelor of Science (Advanced) are set out in Table I together with:
- 2.1.1 designation as junior, intermediate, senior or honours and, where appropriate, as advanced units of study
- 2.1.2 credit point values
- 2.1.3 assumed knowledge, corequisites and prerequisites
- 2.1.4 the semesters in which they are offered; and
- 2.1.5 the units of study with which they are mutually exclusive.
- 2.2 A student may enrol in a unit of study prescribed for a degree other than the Bachelor of Science (Advanced) and shall satisfy the prerequisites, corequisites, qualifying and other requirements prescribed for such units of study for that other degree.
- 2.3 The Dean may permit a student of exceptional merit who is admitted to the Talented Student Program to undertake a unit or units of study within the Faculty other than those specified in Table I.
- 2.4 There shall be honours units of study in Science subject areas listed in Table VI.
- 2.5 Units of study taken at the University of Sydney Summer School which correspond to units of study specified in subsections 4.1.1-4.1.3 may be credited towards the course requirements.

3. Requirements for the award of the degrees

- 3.1 To qualify for the award of the Bachelor of Science (Advanced)/MBBS degrees a student shall:
- 3.1.1 complete units of study having a total value of at least 336 credit points;
- 3.1.2 Complete the Bachelor of Science (Advanced) in minimum time and maintain, as a minimum, a credit average in the Bachelor of Science (Advanced), being the minimum level of academic performance required for admission to candidature for the degrees of MBBS;
- 3.1.3 satisfactorily complete three zero credit point units in the first three years of the program; and
- 3.1.4 meet the requirements of the Bachelor of Science (Advanced) degree outlined below.
- 3.1.5 Students who fail to satisfy subsections 3.1.2 and/or 3.1.3 will be transferred to candidature for the Bachelor of Science (Advanced) degree.
- 3.1.6 To qualify for the award of the degrees of Bachelor of Medicine and Bachelor of Surgery, a student shall complete

units of study having a total value of 192 credit points as required by the Resolutions of the Faculty of Medicine.

3.1.7 Students may abandon the combined degree course and elect to complete the BSc (Advanced) degree.

4. Requirements for the award of the Bachelor of Science (Advanced)

- 4.1 To qualify for the award of the pass degree in the BSc (Advanced) stream, a student shall complete the requirements for the BSc degree as described below with the exception of 5.1.5 and in addition, except with the permission of the Dean:
- 4.1.1 include no more than 48 credit points from Junior units of study;
- 4.1.2 include at least 12 credit points of Intermediate units of study at either the Advanced level or as TSP units;
- 4.1.3 include at least 48 credit points of senior units of study of which at least 24 are completed at the Advanced level or as TSP units in a single Science subject area; and
- 4.1.4 maintain in Intermediate and Senior units of study in Science subject areas an average mark of 65 or greater in each year of enrolment;
- 4.2 candidates who fail to maintain the required credit average will be transferred to candidature for the Bachelor of Science degree in their next year of enrolment with full credit for the units of study completed as Bachelor of Science (Advanced) candidates.
- 4.3 Candidates who fail to achieve a credit average across all units of study attempted in the year in which they have otherwise completed the requirements for the degree will be awarded the Bachelor of Science.

5. Requirements for the award of the Bachelor of Science

- 5.1 To qualify for the award of the Bachelor of Science, a student shall complete units of study having a total value of at least 144 credit points, including:
- 5.1.1 at least 96 credit points from Science subject areas;
- 5.1.2 at least one major from those included in Table I;
- 5.1.3 at least 12 credit points from the Science subject areas of Mathematics and Statistics;
- 5.1.4 at least 24 credit points of Junior units of study from at least two Science subject areas other than Mathematics and Statistics; and
- 5.1.5 no more than 60 credit points from Junior units of study.
- 5.2 A major in the BSc normally requires the completion of a minimum of 24 credit points of senior units of study in one Science area, including any units of study specified in the Table of undergraduate units of study as compulsory for that major.
- 5.3 A major in Psychology requires 48 credit points across intermediate and senior Psychology* units of study including PSYC (2111 or 2011), PSYC (2112 or 2012), PSYC (2113 or 2013) and PSYC (2114 or 2014). No other intermediate Psychology units can be counted towards the major.
- 5.4 The senior units must include at least one of PSYC 3011, 3012, 3013 and 3014.*Note: HPSC3023 Psychology & Psychiatry History & Phil is available for Senior Psychology students and will count towards a major in Psychology. Successful completion of this unit of study is essential for students intending to take the Theoretical Thesis option in Psychology Honours.
- 5.5 A maximum of 48 credit points may be counted towards the degree requirements from units of study offered by faculties other than the Faculty of Science.
- 5.6 The testamur for the degree of Bachelor of Science shall specify the major(s) completed in order to qualify for the award.
- #### 6. Requirements for the Honours degree
- 6.1 Students who qualify to undertake honours in the Bachelor of Science (Advanced) degree may elect to do so either:
- 6.1.1 by suspending candidature from the MBBS degrees for one year, with the permission of the Faculty of Medicine; or
- 6.1.2 after completion of the combined course.
- 6.2 In order to qualify to enrol in an honours course in the Bachelor of Science (Advanced), students shall either:
- 6.2.1 have qualified for the award of the pass degree; or
- 6.2.2 be a graduate of the Faculty of Science; or
- 6.2.3 be a graduate holding a Bachelor of Science degree or an equivalent qualification from another institution;
- 6.2.4 have completed a minimum of 24 credit points of senior units of study relating to the intended honours course (or equivalent at another institution);
- 6.2.5 have achieved either:

- 6.2.5.1 at least a credit average in 48 credit points in relevant intermediate and senior Science units of study; or
- 6.2.5.2 a SCIWAM of at least 65; and
- 6.2.5.3 satisfy any additional criteria set by the Head of Department concerned.
- 6.3 Students shall complete the requirements for the course full-time over two consecutive semesters.
- 6.4 If the Faculty is satisfied that a student is unable to attempt the honours course on a full-time basis and if the Head of Department concerned so recommends, permission may be granted to undertake honours half-time over four consecutive semesters.
- 6.5 To qualify for the award of an honours degree, students shall complete 48 credit points of honours units of study in one subject area from those listed in Table VI.
- 6.6 The grade of honours and the honours mark are determined by performance in the honours course.
- 6.6.1 Honours in the Bachelor of Science (Advanced) may be awarded in four classes as follows:
- 6.6.1.1 Class I (mark range: 80 and above)
- 6.6.1.2 Class II(1) (mark range: 75-79)
- 6.6.1.3 Class II(2) (mark range: 70-74)
- 6.6.1.4 Class III (mark range: 65-69)
- 6.6.2 A student with an honours mark of 90 or greater in an honours subject area and a minimum SCIWAM of 80 shall, if deemed to be of sufficient merit by the Dean, receive a bronze medal.
- 6.7 A student who is qualified to enrol in two honours courses may either:
- 6.7.1 complete the honours courses in the two subject areas separately and in succession; or
- 6.7.2 complete a joint honours course, equivalent to an honours course in a single subject area, in the two subject areas.
- 6.7.3 A joint honours course shall comprise such parts of the two honours courses as may be decided by the Dean.
- 6.8 A student may not re-attempt an honours course in a single subject area.
- #### 7. Supervision
- 7.1 Students will be under the general supervision of the Faculty of Science until the end of the semester in which they complete the requirements for the Science degree. After that they will be under the general supervision of the Faculty of Medicine.
- 7.2 The Deans of the Faculties of Medicine and Science shall jointly exercise authority in any matter concerning the combined degree program not otherwise dealt with in these resolutions.

Faculty rules

8. Details of units of study

- 8.1 The units of study for the Bachelor Science (Advanced) are listed in Table I of the resolutions for the Bachelor of Science.
- 8.2 A candidate for the course shall proceed by completing units of study as prescribed by the Faculty.
- 8.3 A unit of study shall consist of such lectures, seminars, tutorial instruction, essays, exercises, practical work, or project work as may be prescribed.
- 8.4 In these resolutions, 'to complete a unit of study' or any derivative expression means:
- 8.4.1 to attend the lectures and the meetings, if any, for seminars or tutorial instruction;
- 8.4.2 to complete satisfactorily the essays, exercises, practical and project work if any; and
- 8.4.3 to pass any other examination of the unit of study that may apply.
- 8.5 All units of study for a particular subject area may not be available every semester.
- #### 9. Enrolment in more/less than minimum load
- 9.1 A candidate may not enrol in additional units of study once the degree requirements of 336 credit points have been satisfied, without first obtaining permission from the Dean.
- 9.2 Students may enrol on either a full-time or part-time basis.
- #### 10. Cross-institutional study
- 10.1 Provided that permission has been obtained in advance, the Dean 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:

- 10.1.1 the unit of study content is material not taught in any corresponding unit of study in the University; or
- 10.1.2 the student is unable for good reason to attend a corresponding unit of study at the University.
- 11. Restrictions on enrolment**
- 11.1 Units of study which overlap substantially in content are noted in the tables of undergraduate units of study. Such units of study are mutually exclusive and no more than one of the overlapping units of study may be counted towards meeting the course requirements.
- 12. Discontinuation of enrolment**
- 12.1 A student who does not enrol in any semester without first obtaining written permission from the Dean to suspend candidature will be deemed to have discontinued enrolment in the course.
- 12.2 Students who have discontinued from the course will be required to apply for admission to the course and be subject to admission requirements pertaining at that time.
- 13. Suspension of candidature**
- 13.1 A student may seek written permission from the Dean to suspend candidature in the course.
- 13.2 Suspension may be granted for a maximum of one year on any one application.
- 14. Re-enrolment after an absence**
- 14.1 A student who plans to re-enrol after a period of suspension must advise the Faculty of Science Office in writing of their intention by no later than the end of October for First Semester of the following year or the end of May for Second Semester of the same year.
- 15. Satisfactory progress**
- 15.1 A student shall not have made satisfactory progress in any semester if the student:
- 15.1.1 15.1.1 fails to complete successfully more than 50% of the credit points in which the student was enrolled for that semester; and/or
- 15.1.2 15.1.2 fails to complete successfully on the second or later attempt the same unit of study; and/or
- 15.1.3 15.1.3 is consequently unable to complete the degree within the maximum permitted time while carrying a normal student load.
- 15.2 15.2 A student who has not made satisfactory progress in accordance with 12.1.1 or 12.1.2 will be placed on a Faculty list of students at risk and will be required to take steps in accordance with the University's At Risk policy as implemented by the Faculty of Science;
- 15.2.1 15.2.1 a student who is placed on the Faculty's At Risk list for any three semesters shall be required to show good cause why the student should be permitted to reenrol in the degree;
- 15.2.2 15.2.2 a student who has failed to show good cause in accordance with 12.2.1 shall be excluded from the degree;
- 15.2.3 15.2.3 a student who has been permitted to reenrol after having been asked to show good cause and is placed on a Faculty list of students at risk for the fourth time will be automatically excluded from the degree.
- 16. Time limit**
- 16.1 A candidate must complete all the requirements for the award of the degrees within ten calendar years of admission to candidature or readmission without credit.
- 16.1.1 If a candidate is readmitted with credit, the Faculty will determine a reduced time limit for completion of the degree.
- 17. Assessment policy**
- 17.1 Students may be tested by written and oral examinations, exercises, essays or practical work or any combination of these as the Faculty may determine.
- 17.2 Where a unit of study is offered at different levels of difficulty, the performance of students will be matched so that a grade obtained at one level indicates a quality of work comparable with that required for the same grade at the other level(s).
- 17.3 Heads of Department may arrange for further testing in cases of special consideration, in accordance with Academic Board policy governing illness and misadventure.
- 18. Credit transfer policy**
- 18.1 Credit will not be granted for units of study completed ten years or more prior to application, except with the permission of the Dean.
- 18.2 Credit may be granted as specific credit if the unit of study is considered to be directly equivalent to a unit of study in Tables I, or as non-specific credit.
- 18.3 The total amount of credit granted may not be greater than 96 credit points and may not include more than 48 credit points of units of study from other degrees for which credit is maintained or a degree has been conferred.
- 18.4 All students, notwithstanding any credit transfer, must complete at least 24 credit points of senior Science units of study towards a major taken at the University of Sydney.
- 19. Candidates enrolled before 2005**
- 19.1 These Resolutions apply to all candidates for the degree enrolling in units of study after 1 January 2005.
- 19.2 With the permission of the Faculty of Science, candidates who first enrolled for the degree prior to 2005 and have not had a period of suspension or exclusion may until 31 March 2008 choose to qualify for the degree under the old resolutions.
- 19.3 With the permission of the Faculty of Science, candidates who first enrolled for the degree as part-time candidates prior to 2005 and have not had a period of suspension or exclusion may until 31 March 2010 choose to qualify for the degree under the old resolutions.
- 20. Specific glossary for the Bachelor of Science (Advanced)/MBBS**
- 20.1 AAM means the average mark over all units of study attempted in a given academic year (equivalent to the calendar year).
- 20.2 Completion of a unit of study means that the assessment requirements have been satisfied and a grade of pass or better has been achieved.
- 20.3 Intermediate unit of study is of second-year (2000) level. Its prerequisites or assumed knowledge are junior or intermediate units of study and corequisites are other intermediate units of study.
- 20.4 Senior unit of study is of third-year (3000) level. Its prerequisites or assumed knowledge are junior, intermediate or senior units of study and corequisites are other senior units of study.
- 20.5 Honours unit of study is a 4000 level unit offered within an honours course.
- 20.6 Advanced unit of study is a unit which generally parallels a normal unit of study but which provides added breadth of material and/or sophistication of approach.
- 20.7 Dean means the Dean of Science for the duration of the candidature for the Bachelor of Science (Advanced), and the Dean of Medicine for the duration of candidature for the MBBS.
- 20.8 Faculty means the Faculty of Science for the duration of candidature in the Bachelor of Science (Advanced) and the Faculty of Medicine for the duration of candidature in the MBBS.
- 20.9 Degree means the Bachelor of Science (Advanced)/MBBS.
- 20.10 Requirements means coursework requirements for the award of the degree of Bachelor of Science (Advanced)/MBBS.
- 20.11 Student means a person enrolled as a candidate for the degree of Bachelor of Science (Advanced)/MBBS.
- 20.12 TSP means the Talented Student Program in the Faculty of Science.
- 20.13 SCIWAM means the weighted average mark calculated by the Faculty from the results for all intermediate and senior units of study with a weighting of 2 for intermediate units and 3 for senior units.

6. Undergraduate units of study

This chapter contains descriptions of units of study associated with the undergraduate courses offered through the Faculty of Medicine. The units of study are listed alphanumerically, with the exception of the units of study for students who entered Stage 3 of the MBBS prior to 2009, which are listed at the end.

For information regarding the MBBS, please see chapter 4.

USydMP units

GDMP1011

Basic and Clinical Sciences 1

Credit points: 12 **Session:** Semester 1 **Classes:** On a weekly basis, 3 problem-based learning sessions (each 1.5 hours); up to six lectures related to the weekly problem issues relevant to all themes but with an emphasis on basic sciences; two Basic and Clinical Sciences sessions (generally 1.5 hours); **Assessment:** Written assessments in Basic and Clinical Science are formative and summative. However participation in the formative assessments is compulsory. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Upon completion of this module, students will be able to apply an understanding of normal and abnormal human structure, function and behaviour to the diagnosis, management and prevention of health problems. They will also be able to use the best available evidence on outcomes to prevent or cure disease, relieve symptoms or minimise disability and analyse clinical data and published work to determine their validity and generality. Students will participate in the generation, interpretation, application and dissemination of significant advances in medical knowledge; and recognise the limits of scientific knowledge and understanding, and the continuing nature of all scientific.

GDMP1012

Patient and Doctor 1

Credit points: 6 **Session:** Semester 1 **Classes:** Similar to Basic and Clinical Science 1 **Assessment:** The Objective Structured Clinical Examination (OSCE) is formative, however participation in this formative assessment is compulsory **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Upon completion of this module, students will be able to demonstrate understanding of the therapeutic nature of the patient-doctor relationship and the impact on that relationship of the individual characteristics of both patient and doctor. They will have the ability to listen and to identify issues of concern to patients, families and carers and to respond to those concerns, using whatever means are necessary for effective communication. They will also have the ability to elicit and interpret clinical symptoms and signs by interviewing and examining patients systematically and with sensitivity, and to use this information to guide further investigations. Students will have the ability to perform important clinical procedures, particularly those vital in life threatening situations; and ethical behaviour in meeting the needs of patients and families; concern for confidentiality and respect for individual autonomy, enabling patients and their families to make informed decisions in relation to their medical care.

GDMP1013

Population Medicine 1

Credit points: 3 **Session:** Semester 1 **Classes:** Similar to Basic and Clinical Science 1 **Assessment:** CDT material based on the CDT objectives is included in the required formative and summative assessments in Stage 1. Students are also required to work in groups to research and produce a poster on a public health issue. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Upon completion of this module, students will be able to demonstrate understanding of the factors which influence the health of the

population and the respective roles of the promotion of health, the prevention of illness and the treatment of disease. They will also understand the legal, social, economic, historical and political context of medical practice where relevant to the provision of high quality medical care and to medical research. Furthermore, the students will have the ability to identify and analyse health issues of concern to the community and to contribute constructively and rationally to the debate on these issues; and a rational approach to resolving the tension between the medical practitioner's responsibility for individual patients and his or her responsibility for the health care needs of the whole community.

GDMP1014

Personal and Professional Development 1

Credit points: 3 **Session:** Semester 1 **Classes:** Similar to Basic and Clinical Science 1 **Assessment:** There will be a requirement to attend an intensive two-day PPD course. Failure to meet this requirement will halt progression. In addition, a portfolio of reflective material will be produced and examined in a structured interview. Satisfactory completion of this task is also required for continuation. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Upon completion of this module, students will be able to demonstrate commitment to compassionate, ethical professional behaviour and the ability to work cooperatively as a member of a team accepting and providing leadership as appropriate. They will have the recognition of the inevitability of decision-making in circumstances of uncertainty and the capacity to make rational and sensitive decisions based on the best available evidence. Students will have the ability to recognise his or her personal physical and emotional needs and responses to stress, and openness to assistance in time of need and ongoing commitment to the advancement of learning within a community of medical scholars; and skills in the recording, organisation and management of information including the use of appropriate information technology.

GDMP1021

Basic and Clinical Sciences 2

Credit points: 12 **Session:** Semester 2 **Classes:** Similar to Basic and Clinical Sciences 1 **Assessment:** Similar to Basic and Clinical Sciences 1 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Similar to Basic and Clinical Sciences 1

GDMP1022

Patient and Doctor 2

Credit points: 6 **Session:** Semester 2 **Classes:** Similar to Patient and Doctor 1 **Assessment:** Similar to Patient and Doctor 1 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Similar to Patient and Doctor 1

GDMP1023

Population Medicine 2

Credit points: 3 **Session:** Semester 2 **Classes:** Similar to Community and Doctor 1 **Assessment:** Similar to Community and Doctor 1 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Similar to Community and Doctor 1

GDMP1024

Personal and Professional Development 2

Credit points: 3 **Session:** Semester 2 **Classes:** Similar to Personal and Professional Development 1 **Assessment:** Similar to Personal and Professional Development 1 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day



Similar to Personal and Professional Development 1

GDMP2011

Basic and Clinical Sciences 3

Credit points: 12 **Session:** Semester 1 **Classes:** Similar to Basic and Clinical Sciences 1 **Assessment:** Similar to Basic and Clinical Sciences 1 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Similar to Basic and Clinical Sciences 1

GDMP2012

Patient and Doctor 3

Credit points: 6 **Session:** Semester 1 **Classes:** Similar to Patient and Doctor 1 **Assessment:** Similar to Patient and Doctor 1 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Similar to Patient and Doctor 1

GDMP2013

Population Medicine 3

Credit points: 3 **Session:** Semester 1 **Classes:** Similar to Community and Doctor 1 **Assessment:** Similar to Community and Doctor 1 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Similar to Community and Doctor 1

GDMP2014

Personal and Professional Development 3

Credit points: 3 **Session:** Semester 1 **Classes:** Similar to Personal and Professional Development 1 **Assessment:** Similar to Personal and Professional Development 1 **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Similar to Personal and Professional Development 1

GDMP2021

Basic and Clinical Sciences 4

Credit points: 10 **Session:** Semester 2 **Classes:** Similar to Basic and Clinical Sciences 1 **Assessment:** Satisfactory performance in the Summative written papers as determined by the Basic and Clinical Sciences Committee. Participation in Required Formative Assessments is compulsory. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Similar to Basic and Clinical Sciences 1

GDMP2022

Patient and Doctor 4

Credit points: 6 **Session:** Semester 2 **Classes:** Similar to Patient and Doctor 1 **Assessment:** Satisfactory performance in the Summative Objective Structured Clinical Examination (OSCE) as determined by the Patient and Doctor Committee. Participation in the Formative Objective Structured Clinical Examination (OSCE) is compulsory. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Similar to Patient and Doctor 1

GDMP2023

Population Medicine 4

Credit points: 3 **Session:** Semester 2 **Classes:** Similar to Community and Doctor 1 **Assessment:** Satisfactory performance in the Community and Doctor components of the written assessment as determined by the Community and Doctor Committee. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Similar to Community and Doctor 1

GDMP2024

Personal and Professional Development 4

Credit points: 3 **Session:** Semester 2 **Classes:** Similar to Personal and Professional Development 1 **Assessment:** Satisfactory performance requires the demonstration of the following competencies: 1. Appropriate ethical and professional behaviour as determined by the PPD committee. 2 attendance at all designated activities in this stage, 3 attendance and completion of all designated Evidence Based Medicine (EBM) activities. Students who miss more than 15% of tutorials in any Block of study may not be eligible to proceed to Stage 3 except by a specific decision of the Stage 2 Examination Committee. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Similar to Personal and Professional Development 1

GDMP2025

Independent Learning Activity

Credit points: 2 **Session:** Semester 2 **Classes:** Depends on the title of the independent learning activity and approval from the faculty **Assessment:** Independent Learning Activities will be assessed as specified in the Independent Learning Activity Contract. This may be by means of an essay (1000-2000 words), or scientific paper, oral presentation, audio tape, videotape, workshop presentation, laboratory report or a report that describes the activities that have been undertaken and the outcomes achieved. Successful completion will be confirmed by the supervisor's signing of the completed Independent Learning Activity Completion Abstract and the approval of the Independent Learning Activity Committee. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

In the first two stages, students are required to extend the range and depth of their learning by enrolling in an Independent Learning Activity. Independent Learning Activities are varied and include seminar programs, small projects of various types including research, skills-based programs for small groups (e.g. dissection), education-related projects (e.g. developing computer-based materials or undertaking an evaluative study). Many Independent Learning Activities are generated by students themselves, but others are offered by staff. A list of possible Independent Learning Activities is provided, inviting students to indicate their interest. Independent Learning Activity projects require approval by Faculty.

GDMP3101

Medicine Year Three

Credit points: 10 **Teacher/Coordinator:** Associate Professor Christopher Dennis **Session:** S1 Late Int, S2 Late Int, Semester 1, Semester 2 **Classes:** Undertaken at the student's assigned Clinical School. **Prerequisites:** GDMP2021, GDMP2022, GDMP2023, GDMP2024 and GDMP2025 **Assessment:** This unit will be assessed with an on-line formative assessment at the end of the Term, followed by a written summative assessment at the end of Term D which will include components from Terms A,B,C&D **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Medicine Year Three is the first of two Medicine Terms undertaken by medical students enrolled in Stage 3 of the MBBS. This is a non-specialty Term.

GDMP3102

Medicine Year Four

Credit points: 10 **Teacher/Coordinator:** Associate Professor Christopher Dennis **Session:** S1 Late Int, S2 Late Int, Semester 1, Semester 2 **Classes:** Undertaken at the student's assigned Clinical School. **Prerequisites:** GDMP3101 **Assessment:** This unit will be assessed with an on-line formative assessment at the end of the Term, followed by a written summative assessment at the end of Term I which will include components from Terms F,G,H & I. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Medicine Year Four is the second of two Medicine Terms undertaken by medical students enrolled in Stage 3 of the MBBS. This is a non-specialty Term.

GDMP3103

Surgery

Credit points: 10 **Teacher/Coordinator:** Associate Professor Christopher Dennis **Session:** S1 Late Int, S2 Late Int, Semester 1, Semester 2 **Classes:** Undertaken at the student's assigned Clinical School. **Prerequisites:** GDMP2021, GDMP2022, GDMP2023, GDMP2024 and GDMP2025 **Assessment:** This unit will be assessed with an on-line formative assessment at the end of the Term, followed by a written summative assessment at the end of Term D for students in Year 3 which will include components from Terms A,B,C & D. Students in Year 4 will be assessed with an on-line formative assessment at the end of the Term, followed by a written summative assessment at the end of Term I which will include components from Terms F,G,H & I. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Surgery is the Surgical Term undertaken by medical students enrolled in Stage 3 of the MBBS. This is a non-specialty Term.

GDMP3104

Critical Care

Credit points: 10 **Teacher/Coordinator:** Associate Professor Christopher Dennis **Session:** S1 Late Int, S2 Late Int, Semester 1, Semester 2 **Classes:** Undertaken at the student's assigned Clinical School. **Prerequisites:** GDMP2021, GDMP2022, GDMP2023, GDMP2024 and GDMP2025 **Assessment:** This unit will be assessed with an on-line formative assessment

at the end of the Term, followed by a written summative assessment at the end of Term D for students in Year 3 which will include components from Terms A,B,C & D. Students in Year 4 will be assessed with an on-line formative assessment at the end of the Term, followed by a written summative assessment at the end of Term I which will include components from Terms F,G,H & I.
Campus: Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Critical Care is the Critical Care Term undertaken by medical students enrolled in Stage 3 of the MBBS. This is a non-specialty Term.

GDMP3105 Community

Credit points: 10 **Teacher/Coordinator:** Associate Professor Christopher Dennis **Session:** S1 Late Int, S2 Late Int, Semester 1, Semester 2 **Classes:** Undertaken at the student's assigned Clinical School. **Prerequisites:** GDMP2021, GDMP2022, GDMP2023, GDMP2024 and GDMP2025 **Assessment:** This unit will be assessed across 4 Themes as follows: Basic & Clinical Science: self-directed learning problems, presentations and leading discussion; Patient & Doctor: Case commentaries; Community & Doctor: Clinical Service Project; Personal & Professional Development: Evidence Based Medicine (EBM) case commentary report, attendance, participation and professional behaviour. Students must achieve a satisfactory level of competence in all four themes. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Community is the Community Term undertaken by medical students enrolled in Stage 3 of the MBBS. This is a specialty Term.

GDMP3106 Psychological and Addiction Medicine

Credit points: 10 **Teacher/Coordinator:** Associate Professor Christopher Dennis **Session:** S1 Late Int, S2 Late Int, Semester 1, Semester 2 **Classes:** Undertaken at the student's assigned Clinical School. **Prerequisites:** GDMP2021, GDMP2022, GDMP2023, GDMP2024 and GDMP2025 **Assessment:** This unit will be assessed across 4 Themes as follows: Basic & Clinical Science: written Mini Essay Questions (MEQs); Patient & Doctor: Observed Long Case; Community & Doctor or PPD: Case Study; Personal & Professional Development (PPD): Completion of workbook including Evidence Based Medicine (EBM), attendance, participation and professional behaviour. Students must achieve a satisfactory level of competence in all four themes. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Psychological and Addiction Medicine is the Psychological and Addiction Medicine Term undertaken by medical students enrolled in Stage 3 of the MBBS. This is a specialty Term.

GDMP3107 Perinatal and Women's Health

Credit points: 10 **Teacher/Coordinator:** Associate Professor Christopher Dennis **Session:** S1 Late Int, S2 Late Int, Semester 1, Semester 2 **Classes:** Undertaken at the student's assigned Clinical School. **Prerequisites:** GDMP2021, GDMP2022, GDMP2023, GDMP2024 and GDMP2025 **Assessment:** This unit will be assessed across 4 Themes as follows: Basic & Clinical Science: written Mini Essay Questions (MEQs); Patient & Doctor: Observed Structured Clinical Examinations (OSCEs); Community & Doctor or PPD: Theme paper; Personal & Professional Development (PPD): Attendance, participation and professional behaviour. Students must achieve a satisfactory level of competence in all four themes. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Perinatal and Women's Health is the Perinatal and Women's Health Term undertaken by medical students enrolled in Stage 3 of the MBBS. This is a specialty Term.

GDMP3108 Child and Adolescent Health

Credit points: 10 **Teacher/Coordinator:** Associate Professor Christopher Dennis **Session:** S1 Late Int, S2 Late Int, Semester 1, Semester 2 **Classes:** Undertaken at the student's assigned Clinical School. **Prerequisites:** GDMP2021, GDMP2022, GDMP2023, GDMP2024 and GDMP2025 **Assessment:** This unit will be assessed across 4 Themes as follows: Basic & Clinical Science: written Mini Essay Questions (MEQs); Patient & Doctor: Observed Structured Clinical Examinations (OSCEs); Community & Doctor or PPD: Community and Doctor presentations and leading discussion; Personal & Professional Development (PPD): Attendance, participation and professional behaviour. Students must achieve a satisfactory level of competence in all four themes. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Child and Adolescent Health is the Child and Adolescent Health Term undertaken by medical students enrolled in Stage 3 of the MBBS. This is a specialty Term.

GDMP3109 Elective

Credit points: 12 **Teacher/Coordinator:** Ms Karen Garlan **Session:** S1 Late Int, S2 Late Int, Semester 1, Semester 2 **Classes:** Undertaken in an environment approved by the Clinical School Elective Committee Members. **Prerequisites:** GDMP2021, GDMP2022, GDMP2023, GDMP2024 and GDMP2025 **Prohibitions:** GDMP4110 **Assessment:** This unit will be assessed by the submission of an 'Elective Term Report' of between 1,500 to 5,000 words at the end of the Elective Term. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Students must obtain approval to undertake an elective from the Clinical School Elective Committee Members who have the role of advising, counselling and directing students in their applications and approving Electives.

Elective is the Elective Term that offers students an opportunity to undertake supervised experience in clinical, community work or research, locally, interstate or anywhere in the world. It is an opportunity to prepare for a particular career direction, explore different experiences or enhance skills in particular areas of a student's own choice whilst enrolled in Stage 3 of the MBBS. Students usually organise their own Elective terms but if advice or assistance is needed students can contact the Associate Deans of their Clinical Schools or the Medical Program Administration Unit (MPAU).

GDMP4110 Honours/ Research Project

Credit points: 12 **Teacher/Coordinator:** Dr Margot Day **Session:** S1 Late Int, S2 Late Int, Semester 1, Semester 2 **Classes:** Frequent, regular contact the honours or research supervisor. **Prerequisites:** GDMP2021, GDMP2022, GDMP2023, GDMP2024 and GDMP2025 **Prohibitions:** GDMP3109 **Assessment:** Honours thesis or research report (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: To apply for honours in the MBBS, students must submit a research proposal to the Honours/ Research Co-ordinator at the end of Stage 2 and before the commencement of Stage 3 of the MBBS.

Honours/ Research students will undertake a supervised research project whilst enrolled in the MBBS, that will culminate in the submission of an honours thesis or research report. Students will be monitored through regular progress reports.

USydMP units for students commencing Stage 3 prior to 2009

GDMP3012 Basic and Clinical Sciences 5

Credit points: 12 **Session:** Semester 1 **Classes:** Various clinical schools **Assessment:** Satisfactory performance in the written papers as determined by the Theme committee **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

Involves student attachments to the main medical and surgical ward services and associated ambulatory clinics in the teaching hospitals in the clinical schools. Students will also have some experience in sub-specialty disciplines, such as Ear Nose and Throat and Ophthalmology. About half of each student's week is spent directly involved in the clinical activities of the service to which they are attached. A progressive increase in clinical responsibility is expected over the total 32 weeks duration of these attachments.

GDMP3013 Patient and Doctor 5

Credit points: 6 **Session:** Semester 1 **Classes:** Similar to Basic and Clinical Sciences 5 **Assessment:** In order to meet the assessment requirements for the Patient and Doctor theme, students must obtain a satisfactory result in a clinical performance assessment and receive an overall satisfactory result in the Supervisor reports. **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

Similar to Basic and Clinical Sciences 5

GDMP3014

Community and Doctor 5

Credit points: 3 **Session:** Semester 1 **Classes:** Similar to Basic and Clinical Sciences 5 **Assessment:** 1. Satisfactory performance in a Community Doctor assignment as determined by the Theme committee; 2. Satisfactory performance in the Community Doctor component of the written assessment. Students must meet both of these requirements in order to receive a satisfactory result for the Community and Doctor theme in the ICAs. **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

Similar to Basic and Clinical Sciences 5

GDMP3015

Personal and Professional Development 5

Credit points: 3 **Session:** Semester 1 **Classes:** Similar to Basic and Clinical Sciences 5 **Assessment:** Students must meet all these requirements in order to receive a satisfactory result for the PPD theme in Stage 3. Satisfactory performance in the PPD portfolio; satisfactory performance in the Evidence Based Medicine (EBM) PEARLS task; students will be expected to attend all problem based learning sessions and tutorials; satisfactory attendance for all clinical rotations (recorded by the supervisor on the supervisor report form); participation in all required formative assessments; demonstration of ethical and professional behaviour as determined by the PPD Committee. **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

Similar to Basic and Clinical Sciences 5

GDMP3022

Basic and Clinical Sciences 6

Credit points: 12 **Session:** Semester 2 **Classes:** Similar to Basic and Clinical Sciences 5 **Assessment:** Similar to Basic and Clinical Sciences 5 **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

Similar to Basic and Clinical Sciences 5

GDMP3023

Patient and Doctor 6

Credit points: 6 **Session:** Semester 2 **Classes:** Similar to Patient and Doctor 5 **Assessment:** Similar to Patient and Doctor 5 **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

Similar to Patient and Doctor 5

GDMP3024

Community and Doctor 6

Credit points: 3 **Session:** Semester 2 **Classes:** Similar to Community and Doctor 5 **Assessment:** Similar to Community and Doctor 5 **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

Similar to Community and Doctor 5

GDMP3025

Personal and Professional Development 6

Credit points: 3 **Session:** Semester 2 **Classes:** Similar to Personal and Professional Development 5 **Assessment:** Similar to Personal and Professional Development 5 **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

Similar to Personal and Professional Development 5

GDMP4011

Child and Adolescent Health

Credit points: 10 **Session:** S2 Late Int, Semester 1, Semester 2 **Classes:** Various clinical schools **Assessment:** Progression in Stage 4 depends on satisfactory performance in all four themes in all designated summative assessments held during Stage 4 **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

Note: Department permission required for enrolment in the following sessions: S2 Late Int.

Studies include Paediatric and Adolescent Medicine and Surgery

GDMP4012

Perinatal and Women's Health

Credit points: 10 **Session:** S2 Late Int, Semester 1, Semester 2 **Classes:** Various clinical schools **Assessment:** Progression in Stage 4 depends on satisfactory performance in all four themes in all designated summative assessments held during Stage 4 **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

Note: Department permission required for enrolment in the following sessions: S2 Late Int.

Studies include Obstetrics, Fetomaternal Medicine, Neonatal Medicine and Gynaecology (plus Dermatology)

GDMP4013

Community Practice

Credit points: 10 **Session:** S2 Late Int, Semester 1, Semester 2 **Classes:** Various clinical schools **Assessment:** Progression in Stage 4 depends on satisfactory performance in all four themes in all designated summative assessments held during Stage 4 **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

Note: Department permission required for enrolment in the following sessions: S2 Late Int.

In both urban and rural settings, including General Practice, Geriatric Medicine and Sexual Health Medicine.

GDMP4014

Psychological and Addiction Medicine

Credit points: 10 **Session:** S2 Late Int, Semester 1, Semester 2 **Classes:** Various clinical schools **Assessment:** Progression in Stage 4 depends on satisfactory performance in all four themes in all designated summative assessments held during Stage 4 **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

Note: Department permission required for enrolment in the following sessions: S2 Late Int.

Studies include Drug & Alcohol, Community Psychiatry, Psychogeriatrics, Paediatric Psychiatry and Adolescent Medicine

GDMP4015

Elective

Credit points: 4 **Session:** S2 Late Int, Semester 1 **Classes:** A venue approved by the Faculty of Medicine **Assessment:** Students need to clearly outline appropriate learning objectives and achieve those learning objectives. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment in the following sessions: S2 Late Int.

The prime objective of the Elective Term is to provide the students with experience in a specific area of medicine of their own choice. Students arrange for their elective placement to be approved prospectively by the Faculty, nominating a supervisor who is required to provide a report on the student's performance at the end of the elective. A minimum of eight weeks of supervised experience is required for this term.

GDMP4025

Pre-Internship Term

Credit points: 4 **Session:** S2 Late Int, Semester 1, Semester 2 **Classes:** Various clinical schools **Assessment:** Each student in the pre-internship phase will be responsible for his/her own learning, but with clear requirements for a final signing off at the end of Stage 4 **Campus:** Camperdown/Darlington **Mode of delivery:** Clinical Experience

Note: Department permission required for enrolment in the following sessions: S2 Late Int, Semester 1.

The Pre-Internship Term aims to ease the transition to internship. Students are placed in locations accredited by the Postgraduate Medical Council of New South Wales for intern training with programs modified to meet the special needs of final-stage students.

7. Postgraduate research studies

Introduction

Postgraduate courses are higher award courses such as graduate certificates, graduate diplomas, master's degrees and doctorates. Information on the graduate-entry University of Sydney Medical Program, which leads to registration as a medical doctor, can be found in chapters 4-6, on undergraduate courses.

Postgraduate study is divided into two categories: research and coursework. Research is the subject of this chapter and coursework is considered in chapters 8-29. Governance, including the resolutions for all postgraduate degrees, is covered in chapter 30.

The information in this chapter is in summary form and is subordinate to the provisions of the relevant degree resolutions, in chapter 30.

Research

What is a research degree?

Research degrees are very different from coursework degrees in that the majority of work is self-directed study with supervision by a group of academics, working on a project that aims to make an original contribution to knowledge. Some degrees require a limited amount of coursework.

Apart from any required coursework, the assessment of a research degree is through the examination of a thesis written by the student. The thesis is sent to a group of examiners and their recommendations form the basis for the outcome of the examination.

The four research degrees currently offered by the Faculty of Medicine are the Master of Philosophy, the Master of Surgery, the Doctor of Philosophy and the Doctor of Medicine.

Financial information about research degrees

With the exception of the Doctor of Medicine, the Federal Government funds a number of places in research higher degrees for local students, currently defined as Australian and New Zealand citizens and Australian permanent residents. This is known as the Research Training Scheme (RTS), and more information can be found at www.dest.gov.au/sectors/research_sector/programmes_funding/programme_categories/professional_skills/research_training_scheme.htm.

This means that tuition fees for local students are covered by RTS for periods defined by the scheme.

International students are required to pay fees for each year they are enrolled for the duration of the degree. See the postgraduate course database for information on the fees for 2009. www.usyd.edu.au/internationaloffice/publications/fees.shtml

There are a number of scholarships available for local students to assist with living costs, and a limited number for international students. Information about scholarships for local students can be found at www.usyd.edu.au/ro/training.

For information on scholarships for international students, see: www.usyd.edu.au/fstudent/international/postgrad/costs/scholarships.

Theses: production and examination

Before commencing writing up their thesis, students are strongly urged to read *The Thesis Guide* published by the Sydney University Postgraduate Representative Association (SUPRA), which can be found on the SUPRA website www.supra.usyd.edu.au.

Details on the examination process of a thesis for research degrees other than the MD can be found on the Faculty of Medicine's website www.foh.usyd.edu.au/postgrad/current/submitthesis.php.

This site covers such information as options for thesis submission, timing of thesis submission, selection of examiners, types of thesis examination, preparing for submission of the thesis, the examination process, possible examination outcomes, appeals, deferment of public availability of theses, submission of corrected thesis and continuation of borrowing privileges after submission of the thesis.

Research degrees

Master of Philosophy

The Master of Philosophy (MPhil) is aimed at those who intend to pursue careers in medical or health research or who wish to upgrade their qualifications to give them a competitive edge in their employment by demonstrating superior ability and some research experience. It may also be used as a stepping stone to commencing a Doctor of Philosophy (PhD).

The MPhil is a research degree in which students undertake supervised research leading to the production of a thesis. One compulsory unit of study, MEDF5005 Research Methods and Ethics, is undertaken in the first semester of enrolment to provide structured general research training.

Admission normally requires a bachelor's degree with first or second class honours from the University of Sydney or another approved institution, or equivalent qualification. Applicants who do not have an honours degree may be admitted after the applicant has passed a qualifying examination at a standard equivalent to the bachelor's degree with first or second class honours.

The faculty may exempt an applicant from the qualifying examination if the applicant has obtained at least a credit in the highest course available in the subject or subjects relevant to the proposed course of advanced study and research.

Full-time MPhil students have a minimum of 1 year and maximum of 2 years to submit a thesis for examination. Part-time students have a minimum of 2 years and a maximum of 4 years to submit.

MPhil students are required to complete one six credit point unit of study, MEDF5005 Research Methods and Ethics, early in their candidature to provide them with guidance on areas relating to research such as writing papers and theses, reading and critiquing technical papers and writing literature reviews.

Otherwise, MPhil students are not normally required to attend classes or undertake coursework units of study, with the thesis being the major examinable assessment requirement for the degree.



Major research areas include: anaesthesia, anatomy and histology, cardiology, dermatology, endocrinology, gastroenterology and hepatology, general practice, geriatric medicine, haematology, infection and immunity, medical education, medical genetics, neurology, nuclear medicine, obstetrics and gynaecology, oncology, clinical ophthalmology and eye health, paediatrics and child health, pathology, pharmacology, physiology, psychological medicine, public health, rehabilitation medicine, renal medicine, respiratory medicine, rheumatology and surgery.

Master of Surgery

The Master of Surgery (MS) is aimed at those who intend to pursue careers in surgical research. The major research areas include: melanoma, neurosurgery, rheumatology and orthopaedic surgery, urology and vascular surgery.

Admission to the MS requires a Bachelor of Medicine/Bachelor of Surgery (MBBS) from the University of Sydney or another approved institution. Candidates must also produce evidence of advanced surgical training, either by:

- possession of a Fellowship of the Royal Australasian College of Surgeons (RACS) or equivalent postgraduate diploma, or other qualification deemed equivalent by the faculty
- or by satisfying the requirements of the Primary Fellowship examination of the RACS or equivalent body, and by being an accredited trainee in surgery, ie by producing evidence of acceptance in or completion of an advanced accredited surgical training scheme of the RACS or equivalent body acceptable to the faculty
- or by being able to pass a clinical examination in surgery as determined by the faculty on the recommendation of the Head of the Discipline of Surgery.

Full-time MS students have a minimum of 2 years and maximum of 3 years to submit a thesis for examination. Part-time students have a minimum of 3 years and a maximum of 4 years to submit.

MS students are not normally required to attend classes or undertake coursework units of study, with the thesis being the only or major examinable assessment requirement for the degree.

Doctor of Philosophy

The Doctor of Philosophy (PhD) is different from all the other degrees offered by the University as it is the only degree offered at the University level, with the same regulations governing a PhD student whether the student is in fine arts, medicine or architecture. The Resolutions of the Senate and Academic Board relating to the degree of Doctor of Philosophy are printed in the University of Sydney *Calendar*. See www.usyd.edu.au/calendar.

Major research areas include: anaesthesia, anatomy and histology, cardiology, dermatology, endocrinology, gastroenterology and hepatology, general practice, geriatric medicine, haematology, infection and immunity, medical education, medical genetics, neurology, nuclear medicine, obstetrics and gynaecology, oncology, clinical ophthalmology and eye health, paediatrics and child health, pathology, pharmacology, physiology, psychological medicine, public health, rehabilitation medicine, renal medicine, respiratory medicine, rheumatology and surgery.

Doctor of Medicine

The Doctor of Medicine (MD) is a higher doctorate, and unlike the Doctor of Philosophy (PhD) is not a research training degree. It may be described as an award that one would receive at the end of one's career, rather than the beginning, for an outstanding contribution to knowledge. The MD is awarded by published work which, in the opinion of examiners and the Faculty of Medicine, has been generally recognised by scholars in the particular field of expertise as a distinguished contribution to knowledge.

To be eligible for admission, the applicant must hold the degree of Bachelor of Medicine/Bachelor of Surgery (MBBS) from the University of Sydney.

Alternatively the Faculty of Medicine must deem a graduate of another institution as having equal standing to that of a graduate of the University of Sydney and the applicant must have been a full-time member of the academic staff of the University of Sydney for at least three years or have had similar significant involvement with teaching and research and the applicant must have been a graduate of the University of Sydney (or an equivalent institution) of at least five years' standing before the degree of Doctor of Medicine can be awarded.

Published work submitted for examination may be regarded as a distinguished contribution to knowledge if:

- it represents a significant advance in knowledge in its chosen field
- or it has given rise to or is a major part of a significant debate in scholarly books and journals among recognised scholars in its chosen field
- or it has directly given rise to significant changes in the direction of research or of practice of a newer generation of recognised scholars in its chosen field.

There is no set number of publications an applicant must have to be awarded the degree. The Prima Facie Committee and the examiners will be asked to judge the work on its quality and based on the criteria stated above, rather than on the quantity of the papers.

People considering applying for an MD are advised to contact the Student Services Unit in the first instance.

8. Postgraduate coursework studies

Introduction

Postgraduate courses are higher award courses such as graduate certificates, graduate diplomas, master's degrees and doctorates. (Information on the graduate-entry University of Sydney Medical Program, which leads to registration as a medical doctor, can be found in chapters 4-6 on undergraduate courses.)

Postgraduate study is divided into two categories: research and coursework. Coursework is the subject of this chapter and chapters 9-29, and research is considered in chapter 7. Governance, including the resolutions for all postgraduate degrees, is covered in chapter 30. The information in this chapter and chapters 9-29 is in summary form and is subordinate to the provisions of the relevant degree resolutions, in chapter 30.

Coursework

What is a coursework course?

Coursework courses are similar to undergraduate study in that the student enrolls in a set of units of study, with largely predetermined content and predetermined assessment. The units of study can be offered face to face, with lectures and tutorials, or offered online with set readings and a web-based forum or similar, or a combination of both. Each unit of study has a credit point value and each course has a defined number of credit points the student must attain to be awarded the qualification.

Embedded courses

Coursework courses in the Faculty of Medicine include graduate certificates, graduate diplomas and master's degrees. Some of these are stand-alone but many of them are known as 'embedded' or 'articulated' courses. This means that the two or three levels involved are linked with overlapping content so that a student may progress through the levels seamlessly, or transfer from a higher level and be awarded a qualification with a smaller load.

For example a student may be unsure about undertaking study again after a protracted period away, so only requests admission to the graduate certificate. However, the student finds the study so relevant to their work that they decide to continue with the graduate diploma. Instead of having to reapply and repeat units of study, the student can request a transfer to the graduate diploma with full credit for their studies in the graduate certificate.

Alternatively, a student may enrol in the master's degree, but part of the way through is posted overseas for work and can't continue. The student can apply to graduate with the highest level of award for which they have satisfied the requirements, thereby adding a qualification to their list of achievements.

Another example is that a year after completing a graduate certificate, a student can apply to undertake the graduate diploma and, if accepted, will be given credit for the units of study completed in the graduate certificate.

Note that time limits do apply for returning students. See the faculty's credit policy at: www.foh.usyd.edu.au/postgrad/policies/index.php.

Transfer between levels is not automatic. A student must request a transfer. The request is considered by the course coordinator in the first instance, who makes a recommendation to the Chair of the Board of Postgraduate Studies, who makes the final decision (see chapter 30 for more details).

In the Faculty of Medicine, the general structure of embedded courses is as follows:

- a graduate certificate requires 24 credit points for award
- a graduate diploma requires 36 credit points
- a master's degree requires 48 credit points.

Some master's degrees have an associated honours component. Not all courses follow this structure so students should ensure that they read the resolutions and other information about their course to ensure they are aware of the requirements.

Units of study

Units of study are the building blocks of all coursework courses, each with an associated credit point value. Each award course has a number of credit points necessary for completion of the course, and these credit points are gained through successfully completing units of study.

For some courses, the course coordinator specifies units of study for which a student must enrol. Other courses have only one or two units of study which are compulsory and the student has a choice, within limits, of which other units of study to undertake to achieve the required credit points for award.

The units that are compulsory are known as 'core' units, and a student must successfully complete these in order to be awarded the relevant qualification. Even if the student has the necessary number of credit points for award, if they have not passed the core units then they are not regarded as having qualified.

The units of study where students have a choice are called elective units. Generally the choice of elective units of study is restricted to certain groups of units. Most of this chapter comprises descriptions of the postgraduate courses offered through the Faculty of Medicine, with the requirements of core and elective units for each course.

Some units of study have restrictions on who may enrol in the unit. The three types of restrictions are prerequisites, corequisites and prohibitions.

Prerequisites

Enrolment in a unit may only be possible if students have already completed a particular unit of study, the prerequisite.

For example, the unit of study OPSC5005 Practical Ophthalmic Science builds on the content of OPSC5001, and without having completed OPSC5001, students will not be able to understand and complete OPSC5005. Hence, OPSC5001 is a prerequisite for OPSC5005.

Corequisites

A corequisite is where a unit of study requires a student to have already completed a second unit of study, or to enrol in it at the same time.

For example, the Biostatistics BSTA5020 Workplace Project Portfolio Part A requires students to also enrol in BSTA5022 Workplace Project Portfolio Part B during the same semester.

Prohibitions

A prohibition is where a student may not enrol in a unit of study if they have already completed the unit with a prohibition against it. For example, if a student has already completed BSTA5022 Workplace Project Portfolio Part C then he/she may not enrol in either BSTA5020 or BSTA5021.



Financial information about coursework courses

Postgraduate coursework courses within the Faculty of Medicine are fee-paying, with the exception of the Graduate Diploma of Indigenous Health Promotion and the Indigenous Health (Substance Use) program, which are covered by HECS-HELP for Australian citizens.

Very few scholarships exist to cover the fees for coursework degrees for either local and international students.

For information on scholarships for international students, see:
www.usyd.edu.au/fstudent/international/postgrad/costs/scholarships.

For information on scholarships for local students, see:
www.medfac.usyd.edu.au/scholawards/postgrad/index.php.

Students undertaking the honours component of a master's degree by coursework are not eligible to apply for scholarships that specify enrolling in a research degree as an eligibility requirement, in order to support their honours. However, the completion of such a master's degree by coursework with honours may strengthen an application for a scholarship to undertake a research degree.

9. Bioethics

Graduate Certificate in Bioethics

(GradCertBEth) LG019

Graduate Certificate in Bioethics (Biotechnology)

(GradCertBEthBTech) LG020

Graduate Certificate in Bioethics (Clinical Ethics)

(GradCertBEthClinEth) LG023

Graduate Diploma in Bioethics

(GradDipBEth) LF037

Master of Bioethics

(MBEth) LC047

Overview

The University of Sydney offers several postgraduate degree courses in bioethics. Increasing levels of expertise are provided through completion of the Graduate Certificate in Bioethics, Graduate Certificate in Bioethics (Biotechnology), Graduate Certificate in Bioethics (Clinical Ethics), Graduate Diploma in Bioethics, and Master of Bioethics, which can be completed with an honours component.

These courses are designed to meet the widely recognised growing need for ethics education for scientists, researchers, and professionals working in medicine, nursing, public health, health law, health policy/administration, public policy, and science communication. They will also be attractive to students with general interests in relationships between science and society or relevant social science disciplines.

Particular individual units of study – such as Core Concepts in Bioethics (BETH5000), Human and Animal Research Ethics (BETH5202), Ethics and Biotechnology (BETH5201), Ethics and Public Health (BETH5203) and Ethics and Mental Health (BETH5205) – offered through the Postgraduate Program in Bioethics will be popular with postgraduate students pursuing degrees in other fields, such as medical humanities, law, biology, health sciences, biomedical sciences, public health, psychology and/or any disciplines involving human or animal experimentation.

The discipline of bioethics is concerned with ethical questions arising in contexts of biological and medical science. Social concern about such issues has grown with advances in biomedical technology, as illustrated by contemporary debate over reproductive technologies, genetic engineering, cloning, and stem cell research. Traditional topics in bioethics include abortion, euthanasia, relationships between health care providers and patients, research involving humans and animals, and justice in the distribution of medical resources. Emerging topics include ethical issues related to global public health.

Falling at the intersections of ethics, policy, and biomedical science, bioethics is an inherently interdisciplinary field. The University of Sydney's postgraduate program in bioethics uniquely addresses this interdisciplinarity head-on.

In addition to the core unit of study (BETH5000), which provides a broad survey of the field of bioethics, our foundational units provide interdisciplinary grounding in ethical philosophy (BETH5101), philosophy of science/medicine (BETH5102), interdisciplinary approaches to the study of medicine and society (BETH5103), and health law (BETH5104).

Specialisation in areas of particular interest is provided via elective units with focus on biotechnology (BETH5201), research ethics (BETH5202), public health (BETH5203), mental health (BETH5205) and clinical ethics (BETH5204). All of these units of study include historical components.

Qualified students admitted to the honours component of the Master of Bioethics will obtain further expertise in an area of special interest, and experience necessary for further postgraduate study (ie PhD), through completion of a research project (BETH5301 and 5302).

Admission

Admission requires a bachelor's degree or any equivalent award in science, medicine, nursing, allied health sciences, philosophy/ethics, sociology, anthropology, history, law, or other relevant field.

Structure

The graduate certificates and graduate diploma are embedded in the master's degree (see embedded degree explanation in chapter 8).

The Graduate Certificate (Biotechnology) is designed to provide ethical training for those working in the fields of, or those concerned with recent developments in, genetics and stem cell research.

The Graduate Certificate (Clinical Ethics) is designed to provide training in ethics and associated issues for those engaged in clinical practice in a range of health professions.

The Master of Bioethics (Honours) degree provides opportunity for in-depth learning in an area of special interest and research experience necessary for further postgraduate study.

Course	Credit points for award	Duration
GradCertBEth	24	0.5 to 2.5 years
GradCertBEth(BTech)	24	1 to 2.5 years
GradCertBEth(ClinEth)	24	1 to 2.5 years
GradDipBEth	36	2 to 4 years
MBEth	48	2 to 5 years
MBEth(Hons)	60	1.5 to 6 years

The Graduate Certificate in Bioethics comprises one core unit of study and three electives chosen from the list of foundational units of study (see table below and chapter 31 for unit of study details).

The Graduate Certificate in Bioethics (Biotechnology) comprises three core units of study and one elective chosen from the list of foundational units (see table below and chapter 31 for unit of study details).

The Graduate Certificate in Bioethics (Clinical Ethics) comprises two core units of study and two electives chosen from the list of foundational and elective units of study (see table below and chapter 31 for unit of study details).

The Graduate Diploma in Bioethics comprises one core unit of study, three foundational units of study and two further units of study chosen from the foundational and elective units of study (see table below and chapter 31 for unit of study details).

The Master of Bioethics comprises five core units of study and three electives (see table below and chapter 31 for unit of study details).



To qualify for the master's degree with honours, students must successfully complete an additional 12 credit point research project (ie 60 credit points of units of study in total), in which students undertake a supervised individual project in an area of interest and report the outcomes in a dissertation.

Students are only able to enrol in the research project if they have achieved a distinction average in their first 24 credit points of coursework and have the permission of the course coordinator.

Graduate Certificate in Bioethics units of study

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
<i>Core unit of study for the Graduate Certificate in Bioethics</i>			
BETH5000 Core Concepts in Bioethics	6	A A three-year undergraduate degree in science, medicine, nursing, allied health sciences, philosophy/ethics, sociology/anthropology, history, or other relevant field, or by special permission. <i>A limited number of students may be granted permission to take this unit during their honours year.</i>	Semester 1
<i>Foundational units of study for the Graduate Certificate in Bioethics</i>			
BETH5101 Introduction to Ethical Reasoning	6	A A three-year undergraduate degree in science, medicine, nursing, allied health sciences, philosophy/ethics, sociology/anthropology, history, or other relevant field, or by special permission. <i>A limited number of students may be granted permission to take this unit during their honours year.</i>	Semester 1
BETH5102 Philosophy of Medicine	6	A A three-year degree in science, medicine, nursing, allied health sciences, philosophy/ethics, sociology/anthropology, history, or other relevant field - or by special permission. <i>A limited number of students may be granted permission to take this unit during their honours year.</i>	Semester 1
BETH5103 Biomedicine and Society	6	A A three-year undergraduate degree in science, medicine, nursing, allied health sciences, philosophy/ethics, sociology/anthropology, history, or other relevant field, or by special permission. <i>A limited number of students may be granted permission to take this unit during their honours year.</i>	Semester 2
BETH5104 Bioethics, Law and Society	6	A A three-year undergraduate degree in science, medicine, nursing, allied health sciences, philosophy/ethics, sociology/anthropology, history, or other relevant field, or by special permission	Semester 1
Students in the Graduate Certificate in Bioethics choose three foundational units of study.			

Graduate Certificate in Bioethics (Biotechnology) units of study

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
<i>Core units of study for the Graduate Certificate in Bioethics (Biotechnology)</i>			
BETH5000 Core Concepts in Bioethics	6	A A three-year undergraduate degree in science, medicine, nursing, allied health sciences, philosophy/ethics, sociology/anthropology, history, or other relevant field, or by special permission. <i>A limited number of students may be granted permission to take this unit during their honours year.</i>	Semester 1
BETH5201 Ethics and Biotech: Genes and Stem Cells	6	A A three-year undergraduate degree in science, medicine, nursing, allied health sciences, philosophy/ethics, sociology/anthropology, history, or other relevant field, or by special permission. <i>A limited number of students may be granted permission to take this unit during their honours year.</i>	Semester 2
BETH5202 Human and Animal Research Ethics	6	A A three-year undergraduate degree in science, medicine, nursing, allied health sciences, philosophy/ethics, sociology/anthropology, history, or other relevant field, or by special permission. <i>A limited number of students may be granted permission to take this unit during their honours year.</i>	Semester 2
<i>Foundational units of study for the Graduate Certificate in Bioethics (Biotechnology)</i>			
BETH5101 Introduction to Ethical Reasoning	6	A A three-year undergraduate degree in science, medicine, nursing, allied health sciences, philosophy/ethics, sociology/anthropology, history, or other relevant field, or by special permission. <i>A limited number of students may be granted permission to take this unit during their honours year.</i>	Semester 1
BETH5102 Philosophy of Medicine	6	A A three-year degree in science, medicine, nursing, allied health sciences, philosophy/ethics, sociology/anthropology, history, or other relevant field - or by special permission. <i>A limited number of students may be granted permission to take this unit during their honours year.</i>	Semester 1
BETH5103 Biomedicine and Society	6	A A three-year undergraduate degree in science, medicine, nursing, allied health sciences, philosophy/ethics, sociology/anthropology, history, or other relevant field, or by special permission. <i>A limited number of students may be granted permission to take this unit during their honours year.</i>	Semester 2
BETH5104 Bioethics, Law and Society	6	A A three-year undergraduate degree in science, medicine, nursing, allied health sciences, philosophy/ethics, sociology/anthropology, history, or other relevant field, or by special permission	Semester 1
Students in the Graduate Certificate in Bioethics (Biotechnology) choose one foundational unit of study.			

Graduate Certificate in Bioethics (Clinical Ethics) units of study

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
<i>Core units of study for the Graduate Certificate in Bioethics (Clinical Ethics)</i>			
BETH5000 Core Concepts in Bioethics	6	A A three-year undergraduate degree in science, medicine, nursing, allied health sciences, philosophy/ethics, sociology/anthropology, history, or other relevant field, or by special permission. <i>A limited number of students may be granted permission to take this unit during their honours year.</i>	Semester 1
BETH5204 Clinical Ethics	6	A Honours or equivalent degree, or other appropriate terminal undergraduate degree (such as a three-year nursing degree) in science, medicine, nursing, allied health sciences, philosophy/ethics, sociology/anthropology, history, or other relevant field-or by special permission. <i>A limited number of students may be granted permission to take this unit during their honours year.</i>	Semester 1
<i>Foundational units of study for the Graduate Certificate in Bioethics (Clinical Ethics)</i>			
BETH5101 Introduction to Ethical Reasoning	6	A A three-year undergraduate degree in science, medicine, nursing, allied health sciences, philosophy/ethics, sociology/anthropology, history, or other relevant field, or by special permission. <i>A limited number of students may be granted permission to take this unit during their honours year.</i>	Semester 1
BETH5102 Philosophy of Medicine	6	A A three-year degree in science, medicine, nursing, allied health sciences, philosophy/ethics, sociology/anthropology, history, or other relevant field - or by special permission. <i>A limited number of students may be granted permission to take this unit during their honours year.</i>	Semester 1
BETH5103 Biomedicine and Society	6	A A three-year undergraduate degree in science, medicine, nursing, allied health sciences, philosophy/ethics, sociology/anthropology, history, or other relevant field, or by special permission. <i>A limited number of students may be granted permission to take this unit during their honours year.</i>	Semester 2
BETH5104 Bioethics, Law and Society	6	A A three-year undergraduate degree in science, medicine, nursing, allied health sciences, philosophy/ethics, sociology/anthropology, history, or other relevant field, or by special permission	Semester 1
<i>Elective units of study for the Graduate Certificate in Bioethics (Clinical Ethics)</i>			
BETH5201 Ethics and Biotech: Genes and Stem Cells	6	A A three-year undergraduate degree in science, medicine, nursing, allied health sciences, philosophy/ethics, sociology/anthropology, history, or other relevant field, or by special permission. <i>A limited number of students may be granted permission to take this unit during their honours year.</i>	Semester 2
BETH5202 Human and Animal Research Ethics	6	A A three-year undergraduate degree in science, medicine, nursing, allied health sciences, philosophy/ethics, sociology/anthropology, history, or other relevant field, or by special permission. <i>A limited number of students may be granted permission to take this unit during their honours year.</i>	Semester 2
BETH5203 Ethics and Public Health	6	A A three-year undergraduate degree in science, medicine, nursing, allied health sciences, philosophy/ethics, sociology/anthropology, history, or other relevant field, or by special permission. <i>A limited number of students may be granted permission to take this unit during their honours year.</i>	Semester 2
BETH5205 Ethics and Mental Health	6		Semester 2
Students in the Graduate Certificate in Bioethics (Clinical Ethics) choose two units of study from the lists of foundational and elective units of study.			

Graduate Diploma and Master in Bioethics units of study

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
<i>Core unit of study for the graduate diploma and master's degree</i>			
BETH5000 Core Concepts in Bioethics	6	A A three-year undergraduate degree in science, medicine, nursing, allied health sciences, philosophy/ethics, sociology/anthropology, history, or other relevant field, or by special permission. <i>A limited number of students may be granted permission to take this unit during their honours year.</i>	Semester 1
<i>Foundational units of study for the graduate diploma and master's degree</i>			
BETH5101 Introduction to Ethical Reasoning	6	A A three-year undergraduate degree in science, medicine, nursing, allied health sciences, philosophy/ethics, sociology/anthropology, history, or other relevant field, or by special permission. <i>A limited number of students may be granted permission to take this unit during their honours year.</i>	Semester 1
BETH5102 Philosophy of Medicine	6	A A three-year degree in science, medicine, nursing, allied health sciences, philosophy/ethics, sociology/anthropology, history, or other relevant field - or by special permission. <i>A limited number of students may be granted permission to take this unit during their honours year.</i>	Semester 1
BETH5103 Biomedicine and Society	6	A A three-year undergraduate degree in science, medicine, nursing, allied health sciences, philosophy/ethics, sociology/anthropology, history, or other relevant field, or by special permission. <i>A limited number of students may be granted permission to take this unit during their honours year.</i>	Semester 2

9. Bioethics

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
BETH5104 Bioethics, Law and Society	6	A A three-year undergraduate degree in science, medicine, nursing, allied health sciences, philosophy/ethics, sociology/anthropology, history, or other relevant field, or by special permission	Semester 1
Students in the graduate diploma choose either three or four foundational units of study.			
Students in the master's degree must complete all four foundational units of study.			
<i>Elective units of study for the graduate diploma and master's degree</i>			
BETH5201 Ethics and Biotech: Genes and Stem Cells	6	A A three-year undergraduate degree in science, medicine, nursing, allied health sciences, philosophy/ethics, sociology/anthropology, history, or other relevant field, or by special permission. <i>A limited number of students may be granted permission to take this unit during their honours year.</i>	Semester 2
BETH5202 Human and Animal Research Ethics	6	A A three-year undergraduate degree in science, medicine, nursing, allied health sciences, philosophy/ethics, sociology/anthropology, history, or other relevant field, or by special permission. <i>A limited number of students may be granted permission to take this unit during their honours year.</i>	Semester 2
BETH5203 Ethics and Public Health	6	A A three-year undergraduate degree in science, medicine, nursing, allied health sciences, philosophy/ethics, sociology/anthropology, history, or other relevant field, or by special permission. <i>A limited number of students may be granted permission to take this unit during their honours year.</i>	Semester 2
BETH5204 Clinical Ethics	6	A Honours or equivalent degree, or other appropriate terminal undergraduate degree (such as a three-year nursing degree) in science, medicine, nursing, allied health sciences, philosophy/ethics, sociology/anthropology, history, or other relevant field-or by special permission. <i>A limited number of students may be granted permission to take this unit during their honours year.</i>	Semester 1
BETH5205 Ethics and Mental Health	6		Semester 2
Students in the graduate diploma who chose three foundational units of study choose one elective unit of study from this list.			
Students in the master's degree choose three units of study from this list.			

Bioethics research units of study

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
BETH5301 Research Project A	6	P Distinction average (or higher) in 24 credit points of BETH units of study. <i>Only available to students admitted to the Master of Bioethics (Honours) degree. BETH5301 must be taken in conjunction with BETH5302. It is recommended, but not required, that BETH5301 and BETH5302 are taken in separate semesters.</i>	Semester 1 Semester 2
BETH5302 Research Project B	6	<i>Only available to students admitted to the Masters of Bioethics (Honours) degree. Must be taken in conjunction with BETH5301. It is recommended, but not required that BETH5301 and BETH5302 are taken in separate semesters.</i>	Semester 1 Semester 2
Research units of study are only taken if undertaking honours, which is not available to all students. See the course coordinator for further information. Students must enrol in 12 credit points of dissertation in addition to the 48 credit points required for the standard master's degree. These should be done either in one semester or split over two semesters. A student must be enrolled in order to submit the dissertation. If a student is not able to submit his/her thesis after enrolling in 12 credit points of dissertation units of study, he/she must re-enrol in a minimum of six credit points of dissertation units of study, with the concomitant financial liability, every semester until he/she submits.			

Further enquiries

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10. Biostatistics

Graduate Certificate in Biostatistics
(GradCertBiostat) KG003

Graduate Diploma in Biostatistics
(GradDipBiostat) KF034

Master of Biostatistics
(MBiostat) KC044

Overview

Biostatistics is the application of statistical techniques to scientific research in health-related fields, including medicine and public health. In recent times, the results of biostatistical research have become pivotal in improving health and reducing illness. Biostatisticians play essential roles in designing studies, analysing data and creating methods to solve research problems. These courses have been designed to provide advanced biostatistical training for a diverse range of students and are delivered by distance learning.

Admission

Admission requires a bachelor degree in statistics, mathematics, science, psychology, medicine, pharmacy, economics, health sciences or other appropriate discipline from an approved university (or equivalent qualification). Applicants should also have a proven aptitude for advanced mathematical work, indicated for example by a high level of achievement in high school or undergraduate mathematics.

Lastly, applicants should have already passed an introductory course in statistics, covering at least the estimation of means and proportions with confidence intervals, and the comparison of means and proportions between two groups using hypothesis tests (ie t-tests and chi-squared tests for 2x2 tables).

Structure

The graduate certificate and graduate diploma are embedded in the master's degree (see chapter 8 for an explanation of embedded degrees). The program is delivered predominantly via distance learning (electronically and by mail). It is taught by a group of senior academic biostatisticians based in universities around Australia.

The only units of study not available via distance learning are the elective PUBH5215 Introductory Analysis of Linked Data, and the workplace project, for which students must be supervised by a biostatistician approved by the University of Sydney.

Assessment for most coursework subjects is by assignment only, although some units of study may have a take-home or online exam.

It is recommended that students undertake no more than two units of study per semester. Students should contact the program coordinator for advice on how best to structure their program of study, taking into account the prerequisites.

Students may apply for an exemption for one or more of BSTA5001, BSTA5002, BSTA5011, BSTA5023 (see tables below and chapter 31 for further information) depending on the student's previous studies. Students granted an exemption for a core unit must choose an elective unit to make up the required credit points (see table below).

Course	Credit points for award	Duration part-time
GradCertBiostat	24	1 to 2 years
GradDipBiostat	48	2 to 4 years
MBiostat	72	3 to 6 years

The graduate certificate comprises one core unit of study and three electives chosen from the list of core and elective units of study for the master's degree (see tables on core and elective units of study below and chapter 31 for unit of study details).

The graduate diploma comprises eight core units of study (see tables on core units of study below and chapter 31 for unit of study details).

The master's degree comprises nine core units of study and either one or two workplace projects. The remainder of the 72 credit points is made up of electives (see tables on core and elective units of study below and chapter 31 for unit of study details).

Biostatistics core units of study

Unit of study	Credit points	A: Assumed knowledge	P: Prerequisites	C: Corequisites	N: Prohibition	Session
<i>Core unit of study for the graduate certificate, graduate diploma and master's degree</i>						
Students take one of the following two units but not both.						
PUBH5010 Epidemiology Methods and Uses	6		N BSTA5011			Semester 1
BSTA5011 Epidemiology for Biostatisticians	6		N PUBH5010			Semester 2
<i>Core units of study for the graduate diploma and master's degree</i>						
<i>Elective units of study for the graduate certificate</i>						
BSTA5001 Mathematics Background for Biostatistics	6					Semester 1 Semester 2
BSTA5023 Probability and Distribution Theory	6		P BSTA5001			Semester 1 Semester 2
BSTA5002 Principles of Statistical Inference	6		P BSTA5023			Semester 1 Semester 2



Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
BSTA5004 Data Management & Statistical Computing	6		Semester 1 Semester 2
BSTA5006 Design of Randomised Controlled Trials	6	P BSTA5001 and (BSTA5011 or PUBH5010)	Semester 2
BSTA5007 Linear Models	6	P BSTA5002 and (BSTA5011 or PUBH5010)	Semester 2
BSTA5008 Categorical Data and GLMs	6	C BSTA5007	Semester 2
<i>Core unit of study for the master's degree</i>			
<i>Elective unit of study for the graduate certificate and graduate diploma</i>			
BSTA5009 Survival Analysis	6	P BSTA5007	Semester 1

Biostatistics elective units of study

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
BSTA5003 Health Indicators and Health Surveys	6	C BSTA5001	Semester 1
BSTA5005 Clinical Biostatistics	6	P BSTA5001 and (BSTA5011 or PUBH5010) C BSTA5002	Semester 1
BSTA5012 Longitudinal and Correlated Data	6	P BSTA5008	Semester 1
BSTA5013 Bioinformatics	6	P BSTA5008	Semester 2
BSTA5014 Bayesian Statistical Methods <i>This unit of study is not available in 2009</i>	6	P BSTA5008	Semester 2
BSTA5015 Advanced Clinical Trials	6	P BSTA5006, BSTA5007	Semester 2
PUBH5215 Introductory Analysis of Linked Data	6	P PUBH5018 and (PUBH5010 or BSTA5011) and (PUBH5211 or BSTA5004)	S2 Late Int
The unit of study, BSTA5014 Bayesian Statistical Methods, is only offered in even years.			

Biostatistics workplace project units of study

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
BSTA5020 Workplace Project Portfolio Part A	6	P 24 credit points including BSTA5004 and BSTA5007 C BSTA5021 N BSTA5022 <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
BSTA5021 Workplace Project Portfolio Part B	6	P 24 credit points including BSTA5004 and BSTA5007 <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
BSTA5022 Workplace Project Portfolio Part C	6	P 24 credit points including BSTA5004 and BSTA5007 N BSTA5020 <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
Master's degree students must submit a Workplace Project Portfolio, comprising either two projects (Part A and Part B) or one project (Part C).			
A student must be enrolled in order to submit the workplace project portfolio. If a student is not able to submit his/her workplace project portfolio after enrolling, once in Part C or once in both Part A and Part B, then he/she must re-enrol in a minimum of six credit points of workplace project portfolio units of study, with the concomitant financial liability, every semester until he/she submits.			

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11. Clinical epidemiology

Graduate Certificate in Clinical Epidemiology
(GradCertClinEpi) KG007

Graduate Diploma in Medicine (Clinical Epidemiology)
(GradDipMed(ClinEpi)) KF042

Graduate Diploma of Science in Medicine (Clinical Epidemiology)
(GradDipScMed(ClinEpi)) KF043

Master of Medicine (Clinical Epidemiology)
(MMed(ClinEpi)) KC055

Master of Science in Medicine (Clinical Epidemiology)
(MScMed(ClinEpi)) KC056

Overview

Clinical epidemiology is the science of applying the best available research evidence to patient care. This program is intended to provide clinicians the opportunity to learn the principles of clinical epidemiology and 'best evidence'. The program has been designed to ensure that the theory learned by participants is applied to patient-based examples and readily integrated into their day-to-day work.

The Master of Medicine (Clinical Epidemiology) and the Master of Science in Medicine (Clinical Epidemiology) are essentially the same program with different admission requirements, and the same applies to the Graduate Diploma in Medicine (Clinical Epidemiology) and the Graduate Diploma of Science in Medicine (Clinical Epidemiology).

Only medical graduates (ie those with an MBBS) may be admitted to the Master of Medicine/Graduate Diploma in Medicine while non-medical graduates may be admitted to the Master of Science in Medicine/Graduate Diploma of Science in Medicine. Students follow the same program of study, with the only distinction between them being the title of the course they are awarded on completion.

The master's degrees may be awarded at either a pass or honours grade. Honours is only available to students who meet the criteria detailed below, which include enrolling in a further 12 credit points of dissertation units of study for which they undertake supervised research which is written up in a dissertation for examination.

Master's degree students who choose not to undertake the honours component but complete their coursework units of study with a minimum average mark of 75 per cent will be awarded pass with merit.

Admission

Graduate Certificate in Clinical Epidemiology

Admission to the program normally requires either a Bachelor of Medicine/Bachelor of Surgery (MBBS) from the University of Sydney or another approved institution, or a bachelor's degree in a health discipline with first or second class honours from the University of Sydney or another approved institution.

If candidates do not have an honours degree, they may be admitted on the basis of having completed equivalent work or passing a preliminary examination as prescribed by the Faculty of Medicine.

Master of Medicine (Clinical Epidemiology) and Graduate Diploma in Medicine (Clinical Epidemiology)

Admission normally requires a Bachelor of Medicine/Bachelor of Surgery (MBBS) from the University of Sydney or another approved institution.

Master of Science in Medicine (Clinical Epidemiology) and Graduate Diploma of Science in Medicine (Clinical Epidemiology)

Admission normally requires a bachelor's degree in a health discipline with first or second class honours from the University of Sydney or another approved institution. If candidates do not have an honours degree, they may be admitted on the basis of having completed equivalent work or passing a preliminary examination as prescribed by the Faculty of Medicine.

Structure

The graduate certificate and graduate diplomas are embedded in the master's degrees (see chapter 8 for an explanation of embedded degrees).

The program is delivered by lectures, tutorials and small group sessions given by academics and clinicians from the university and outside organisations. A number of units of study are web-based (see the School of Public Health website (www.health.usyd.edu.au), for more information).

The wide ranging experience and knowledge of teaching staff ensures an up-to-date coverage of topics and issues related to clinical epidemiology and evidence-based medicine. The tutorials and small group sessions provide the opportunity for discussion of issues and problems and a critical review of the literature.

Assessment for the 'Epidemiological Methods', 'Introductory Biostatistics' and 'Controlled Trials' units of study is by a mid semester assignment and written examination at the end of semester. All other coursework units of study are assessed by oral presentation and/or written assignment.

Classes are generally scheduled on Tuesday and Thursday evenings after 5pm, although some are also offered during the day on Tuesdays and Thursdays. The exceptions are units that are offered as day-long workshops such as the Controlled Trials unit – usually offered on a Saturday and a Friday with the two days being spaced over a period of 3–4 weeks – and the online units.

To avoid timetable clashes, students enrolled full-time will be required to attend some of their units of study during the day. Graduate certificate, diploma and master's degree students attend combined sessions.

Course	Credit points for award	Duration full-time	Duration part-time
GradCertClinEpi	24	0.5 to 2 years	1 to 3 years
GradDipMed(ClinEpi)	36	1 to 2 years	1 to 3 years
GradDipScMed(ClinEpi)	36	1 to 2 years	1 to 3 years
MMed(ClinEpi)	48	1 to 3 years	2 to 6 years
MScMed(ClinEpi)	48	1 to 3 years	2 to 6 years
MMed(ClinEpi)(Hons)	60	1 to 3 years	2 to 6 years
MScMed(ClinEpi)(Hons)	60	1 to 3 years	2 to 6 years



11. Clinical epidemiology

The graduate certificate comprises 14 credit points of compulsory core units of study and 10 credit points of electives (see unit of study tables below and chapter 31 for unit of study details).

The graduate diploma comprises 14 credit points of compulsory core units of study and 22 credit points of electives (see tables on core and elective units of study below and chapter 31 for unit of study details).

The master's degree comprises 14 credit points of compulsory core units of study and 34 credit points of electives (see tables on core and elective units of study below and chapter 31 for unit of study details).

To qualify for the master's degree with honours, students must obtain a weighted average mark of 70 percent in all 48 credit points of coursework and successfully complete an additional 12 credit point research dissertation (ie 60 credit points of units of study in total), in which students undertake a supervised individual project in an area of interest and report the outcomes in a dissertation.

Students are only able to enrol in the dissertation if they have achieved a weighted average mark of 70 percent in their first 24 credit points of coursework and have the permission of the course coordinator.

Clinical epidemiology core units of study

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
CEPI5102 Literature Searching	2		Semester 1 Semester 2
PUBH5010 Epidemiology Methods and Uses	6	N BSTA5011	Semester 1
PUBH5018 Introductory Biostatistics	6		Semester 1

Clinical epidemiology dissertation units of study

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
CEPI5503 Dissertation C	12	P A candidate must have obtained a minimum weighted average mark of 70% in at least 24 credit points of coursework and obtained approval from the course-coordinator to enrol in this unit of study. Enrolment must be done through the Faculty office. <i>Note: Department permission required for enrolment</i>	S2 Late Int Semester 1 Semester 1a Semester 1b Semester 2 Semester 2a Semester 2b
CEPI5510 Dissertation A	6	P A candidate must have obtained a minimum weighted average mark of 70% in at least 24 credit points of coursework and obtained approval from the course-coordinator to enrol in this unit of study. Enrolment must be done through the Faculty office. <i>Note: Department permission required for enrolment</i>	S2 Late Int Semester 1 Semester 2
CEPI5511 Dissertation B	6	P A candidate must have obtained a minimum weighted average mark of 70% in at least 24 credit points of coursework and obtained approval from the course-coordinator to enrol in this unit of study. Enrolment must be done through the Faculty office. <i>Note: Department permission required for enrolment</i>	S2 Late Int Semester 1 Semester 2

Dissertation units of study are only taken if undertaking the honours stream, which is not available to all students. See the course coordinator for further information. Students must enrol in 12 credit points of dissertation in addition to the 48 credit points required for the standard master's degree. These should be done either in one semester with Dissertation C or split over two semesters with both Dissertation A and Dissertation B. A student must be enrolled in order to submit the dissertation. If a student is not able to submit his/her thesis after enrolling in 12 credit points of dissertation units of study, he/she must re-enrol in a minimum of six credit points of dissertation units of study, with the concomitant financial liability, every semester until he/she submits.

Clinical epidemiology elective units of study

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
CEPI5200 Quality and Safety in Health Care	6	A clinical experience strongly recommended	Semester 1
CEPI5202 Advanced Evaluation of Diagnostic Tests	2	C PUBH5208	Semester 2b
CEPI5203 Introduction to Systematic Reviews	2		Semester 2a
CEPI5204 Advanced Systematic Reviews	2	P CEPI5203	Semester 2b
CEPI5205 Doing a Systematic Review	6	P CEPI5203 C CEPI5102	Semester 1 Semester 2
CEPI5206 Intro Teaching Clinical Epidemiology	2	P PUBH5010 C PUBH5208 and CEPI5203	Semester 1 Semester 2
CEPI5207 Advanced Teaching Clinical Epidemiology	6	P PUBH5010 C PUBH5208 and CEPI5203	Semester 1 Semester 2
CEPI5210 Clinical Research Development & Practice	4		Semester 1
CEPI5211 Introduction to Genetic Epidemiology	2		Semester 2a
CEPI5303 Clinical Health Economics	2		Semester 2a
CEPI5306 Clinical Practice Guidelines	2	A clinical experience strongly recommended	Semester 2a
CEPI5308 Patient Based Measures	2		Semester 1b
CEPI5310 Advanced Concepts in Statistics	4	P PUBH5211 and PUBH5212	Semester 1a
CEPI5505 Clinical Epidemiology Project 1	2	P PUBH5010 and PUBH5018 and CEPI5102	Semester 1 Semester 2
CEPI5506 Clinical Epidemiology Project 2	4	P PUBH5010 and PUBH5018 and CEPI5102 C CEPI5505	Semester 1 Semester 2
PUBH5205 Decision Analysis	2	P PUBH5018 and PUBH5010 <i>Recommended: PUBH5302 Health Economic Evaluation</i>	Semester 2b
PUBH5206 Controlled Trials	2		S2 Intensive
PUBH5208 Screening and Diagnostic Test Evaluation	2	P PUBH5010	Semester 2a
PUBH5211 Multiple Regression and Stats Computing	4	P PUBH5018	Semester 2
PUBH5212 Categorical Data Analysis	2	P PUBH5018 C PUBH5211	Semester 2b
PUBH5213 Survival Analysis	2	C PUBH5211	Semester 2b
PUBH5224 Advanced Epidemiology	6	P PUBH5010 <i>Students are recommended to have achieved at least a Credit standard in PUBH5010 Epidemiology Methods and Uses or equivalent unit of study.</i>	Semester 2
PUBH5307 Advanced Health Economic Evaluation	2	P PUBH5018 and PUBH5010 C PUBH5205 and (PUBH5302 or CEPI5303)	S2 Late Int
PUBH5500 Introducing Qualitative Health Research	6		S1 Intensive
Students in the graduate certificate must enrol in units of study totalling 10 credit points from this table.			
Students in the graduate diploma must enrol in units of study totalling 22 credit points from this table.			
Students in the master's degree must enrol in units of study totalling 34 credit points from this table.			
When choosing electives, students must ensure that they fulfill the essential pre- and corequisites and that there are no timetable clashes. Students commencing mid-year should discuss their choices with the course coordinator first. Students may choose up to six credit points towards their course from another degree program but must first obtain permission from their course coordinator.			

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12. Health policy

Graduate Certificate in Health Policy
(GradCertHPol) KG006

Graduate Diploma in Health Policy
(GradDipHPol) KF041

Master of Health Policy
(MHPol) KC054

Overview

The Graduate Program in Health Policy offers a critical perspective on how our health care system operates. It emphasises the importance of power and value choices, focusing on the interaction of governments with the private and community sectors in shaping policy.

This unique program extends the professional skills of students. By the end of the course students will understand the forces shaping the health policy environment, work with professional confidence across the health sector, and be familiar with the workings of high-level national and international health policy networks.

Students learn how to develop and implement health policy through the application of knowledge to health policy issues and analysis of current health policy trends.

The master's program includes intensive training in policy analysis and critical appraisal techniques. These are applied to practical tasks of policy development and writing.

Admission

Admission requires a three year degree, or an equivalent qualification as may be approved by the University.

Structure

The graduate certificate and graduate diploma are embedded in the master's degree (see chapter 8 for an explanation of embedded degrees). Classes are conducted in intensive mode, including weekend workshops and web-based learning.

Course	Credit points for award	Duration full-time	Duration part-time
GradCertHPol	24	not available	1 to 4 years
GradDipHPol	36	1 to 2 years	1 to 3 years
MHPol	48	1 to 2 years	1 to 4 years

The graduate certificate comprises three core units of study and one elective unit of study (see tables on core and elective units of study below and chapter 31 for unit of study details).

The graduate diploma comprises four core units of study and two elective units of study (see tables on core and elective units of study below and chapter 31 for unit of study details).

The master's degree comprises six core units of study and two elective units of study (see tables on core and elective units of study below and chapter 31 for unit of study details).

Health policy core units of study

Unit of study	Credit points	A: Assumed knowledge	P: Prerequisites	C: Corequisites	N: Prohibition	Session
<i>Core units of study for the graduate certificate, graduate diploma and master's degree</i>						
HPOL5000 Introduction to Health Policy	6					Semester 1
HPOL5001 Economics and Finance for Health Policy	6					Semester 1
HPOL5003 Analysing Health Policy	6					Semester 2
<i>Core unit of study for the graduate diploma and master's degree</i>						
HPOL5007 Global Health Policy	6					Semester 2
<i>Core units of study for the master's degree</i>						
HPOL5008 Evidence into Policy and Practice	6		C HPOL5000 and HPOL5001			Semester 1
HPOL5009 Health Policy Project	6		P HPOL5008 C HPOL5003			Semester 2



Health policy elective units of study

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
<i>Elective units of study for the graduate certificate, graduate diploma and master's degree</i>			
ACCT6119 Public Sector Accounts & Accountability	6		Semester 1
BETH5104 Bioethics, Law and Society	6	A A three-year undergraduate degree in science, medicine, nursing, allied health sciences, philosophy/ethics, sociology/anthropology, history, or other relevant field, or by special permission	Semester 1
BETH5203 Ethics and Public Health	6	A A three-year undergraduate degree in science, medicine, nursing, allied health sciences, philosophy/ethics, sociology/anthropology, history, or other relevant field, or by special permission. <i>A limited number of students may be granted permission to take this unit during their honours year.</i>	Semester 2
CISS6004 Disease and Security	6		Semester 1
GOVT6318 Crises, Disasters and Public Management	6		Semester 2
MEDF5005 Health Research Methods and Ethics	6		Semester 1 Semester 2
MIPH5135 Health Systems in Developing Countries	4		Semester 2
MMHU6909 Risk and Health: Communication, Policy	6		Semester 2
PUBH5308 Health Workforce Policy Analysis	2		S2 Late Int
PUBH5418 Tobacco Control in the 21st Century	6		Semester 2
PUBH5500 Introducing Qualitative Health Research	6		S1 Intensive
Students in the graduate certificate choose one elective unit of study from this list.			
Students in the graduate diploma choose two elective units of study from this list.			
<i>Elective units of study for the master's degree</i>			
PUBH5302 Health Economic Evaluation	4	P PUBH5010 and PUBH5018	S2 Intensive
PUBH5307 Advanced Health Economic Evaluation	2	P PUBH5018 and PUBH5010 C PUBH5205 and (PUBH5302 or CEPI5303)	S2 Late Int
Students in the master's degree choose two elective units of study from these lists.			

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13. Indigenous health promotion

Graduate Diploma in Indigenous Health Promotion
(GradDipIndigHProm) KF022

Overview

The Indigenous Health Promotion program aims to give Aboriginal and Torres Strait Islander health workers and practitioners the opportunity to add to their knowledge and skills in promoting community health. This includes identifying community needs and strengths, developing and implementing an action plan, then evaluating its impact.

The course was developed in consultation with Aboriginal and Torres Strait Islander health professionals and is based on national and international best practice in indigenous health promotion.

Admission

Applicants must demonstrate the following attributes:

- working experience in Aboriginal and Torres Strait Island communities, and experience in engaging communities in action to improve their health
- prior learning that shows they can complete a course of study – the most obvious example is a degree or equivalent, but credit can be given for all forms of tertiary education
- knowledge of, and sensitivity to, working with Aboriginal and Torres Strait Island people
- support for their candidature from their local communities and, where possible, their employers.

Structure

Students can complete the program in one year of full-time study. The program consists of six one-week workshops delivered in block release mode. The blocks are taught on campus at the University of Sydney.

Following each block, students return to their community/workplace and complete assessment tasks based on the learning achieved in the workshop. The final part of the program requires students to write a project demonstrating that they have consolidated their learning.

There is particular emphasis on demonstrating the importance of community participation and community development. Students may choose to complete their project while undertaking the second semester or as a part-time candidate for at least one semester of a second year.

Course	Credit points for award	Duration full-time
GradDipIndigHProm	48	1 to 2 years

The graduate diploma comprises six core units of study and a compulsory final project (see table of core units of study below and chapter 31 for unit of study details).

Indigenous health promotion core units of study

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
INDH5211 Community Profile and Setting Priorities	6		Semester 1a
INDH5212 Health Promotion Program Planning	6		Semester 1b
INDH5213 Strategies for Health Promotion	6		S1 Late Int
INDH5221 Communication: Tool for Promoting Health	6		Semester 2a
INDH5224 Research and Evaluation	6		Semester 2b
INDH5223 Advocacy and Social Action	6		S2 Late Int
INDH5226 Final Project	12		S2 Late Int

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14. Indigenous health (substance use)

Graduate Certificate in Indigenous Health (Substance Use)
(GradCertIndigH(SubUse)) KG012

Graduate Diploma in Indigenous Health (Substance Use)
(GradDipIndigH(SubUse)) KF049

Master of Indigenous Health (Substance Use)
(MIndigH(SubUse)) KC068

Overview

There is clear evidence that Aboriginal and Torres Strait Islander health professionals have a unique role in their communities, including clinical service delivery in the areas misuse of alcohol, tobacco and other drugs.

The Indigenous Health (Substance Use) program aims to provide these health professionals with further skills and knowledge to work in the prevention and treatment of harm associated with alcohol, tobacco and other drugs in the Indigenous community.

The course was developed in consultation with Aboriginal and Torres Strait Islander health professionals and is based on national and international best practice in the prevention and treatment of misuse of substance misuse.

Admission

This course is open to persons of Aboriginal or Torres Strait Islander heritage who are mature, and have a relevant employment background. Please see the resolutions in chapter 30 for details.

The criteria for rating and selecting candidates are:

- number of years of work experience in the alcohol, tobacco and other drug sector
- prior education attained
- workplace assessment/advice/support of employer.

Structure

The graduate certificate and graduate diploma are embedded in the master's degree. This means that the graduate certificate, graduate diploma and master's degree are linked with complementary content so that a student may progress through the levels seamlessly.

Also a student can transfer from a higher level and be awarded a qualification with a smaller load. For example a student may be unsure about undertaking study, so only requests admission to the graduate certificate. However, the student finds the study relevant to their work that they decide to continue on to the graduate diploma. Instead of having to reapply and repeat units of study, the student can request a transfer to the graduate diploma with full credit for his/her studies in the graduate certificate.

Alternatively, a student may enrol in the master's degree, but part of the way through finds that for health or other personal reasons they can't continue. However, they have completed 36 credit points so can apply to graduate with a graduate diploma, thereby adding a qualification to his/her list of achievements.

Another example is that a year after completing a graduate certificate, a student can apply to undertake the graduate diploma and, if accepted, will be given credit for the units of study completed in the graduate certificate.

Note that time limits do apply for returning postgraduate students. See the faculty's credit policy on its website:
www.medfac.usyd.edu.au/currentstudent/postgrad/index.php.

Transfer between levels is not automatic. A student must request a transfer. The request is considered by the course coordinator in the first instance, who makes a recommendation to the Chair of the Board of Postgraduate Studies (see chapter 30), who makes the final decision. More information is given in chapter 8.

The course will run in block release mode. For the graduate diploma there are six blocks of face-to-face study at the University's Camperdown Campus, each of around one week's length. After each block, the student will have a series of learning tasks to do at home or in their workplace, amounting to 50 hours work.

Students who continue on to the master's degree undertake a further two units of study from the list of electives below. Other subjects that are available through the Master of Public Health program may be taken if first approved by the course coordinator, Associate Professor Kate Conigrave.

Course	Credit points for award	Duration full-time
GradCertIndigH(SubUse)	24	0.5 to 1.5 years
GradDipIndigH(SubUse)	36	1 to 2 years
MIndigH(SubUse)	48	1 to 3 years

The graduate certificate comprises four core units of study (see table on core units of study below and chapter 31 for unit of study details).

The graduate diploma comprises six core units of study (see table on core units of study below and chapter 31 for unit of study details).

The master's degree comprises six core units of study and 12 credit points of electives chosen from the list of electives (see tables on core and elective units of study below and chapter 31 for unit of study details).



Indigenous health (substance use) core units of study

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
<i>Core units of study for the graduate certificate, graduate diploma and master's degree</i>			
IHSU5001 Non-dependent Alcohol Use Disorders	6		Semester 1a
IHSU5002 Alcohol Dependence and Withdrawal	6	C IHSU5001	Semester 1b
IHSU5003 Cannabis, Tobacco and Depression	6	C IHSU5002	S1 Late Int
IHSU5004 Opioids and Injecting Drug Use	6	P IHSU5003	Semester 2a
<i>Core units of study for the graduate diploma and master's degree</i>			
IHSU5005 Amphetamines, Polydrug Use and Psychosis	6	C IHSU5004	Semester 2b
IHSU5006 Substance Use Across the Lifespan	6	C IHSU5005	S2 Late Int

Indigenous health (substance use) elective units of study

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
<i>Elective units of study for the master's degree</i>			
HPOL5000 Introduction to Health Policy	6		Semester 1
HPOL5001 Economics and Finance for Health Policy	6		Semester 1
HPOL5002 Contemporary Issues in Health Policy <i>This unit of study is not available in 2009</i>	6	C HPOL5003	Semester 2
HPOL5003 Analysing Health Policy	6		Semester 2
MEDF5005 Health Research Methods and Ethics	6		Semester 1 Semester 2
PUBH5010 Epidemiology Methods and Uses	6	N BSTA5011	Semester 1
PUBH5015 Public Health Principles and Practice	6		Semester 1
PUBH5016 Society, Behaviour and Public Health	6		Semester 1
PUBH5017 Public Health Program Evaluation	6	P PUBH5010 and PUBH5018 and PUBH5015 and PUBH5016	Semester 2
PUBH5018 Introductory Biostatistics	6		Semester 1
PUBH5101 Special Project in Public Health	4	<i>Note: Department permission required for enrolment Students negotiate with a public health staff member to be their supervisor on an agreed project. The supervisor informs the Unit co-ordinator, who emails the Postgraduate Student Administration Unit permission for the student to enrol.</i>	Semester 1 Semester 2
PUBH5102 Special Project in Public Health	2	<i>Note: Department permission required for enrolment Students negotiate with a public health staff member to be their supervisor on an agreed project. The supervisor informs the Unit co-ordinator, who emails the Postgraduate Student Administration Unit permission for the student to enrol.</i>	Semester 1 Semester 2
PUBH5114 Alcohol, Drug Use and Health	4	N PUBH5115 <i>Note: Department permission required for enrolment Students request permission from the unit of study coordinator to enrol in this unit. The coordinator emails the Postgraduate Student Administration Unit advice that the student has permission to enrol.</i>	Semester 2
PUBH5115 Alcohol, Drug Use and Health	2	N PUBH5114 <i>Note: Department permission required for enrolment Students request permission from the unit of study coordinator to enrol in this unit. The coordinator emails the Postgraduate Student Administration Unit advice that the student has permission to enrol.</i>	Semester 2a
PUBH5118 Aboriginal Health Promotion	4		Semester 2b
PUBH5201 Research Design in Epidemiology <i>This unit of study is not available in 2009</i>	2	P PUBH5010 and PUBH5018	S2 Intensive
PUBH5221 Qualitative Research Methods	2	P PUBH5016 or MIPH5132 or PUBH5014	S2 Intensive
PUBH5414 Public Health Advocacy	2		S2 Intensive

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
PUBH5415 Injury Prevention	2		S2 Intensive
PUBH5418 Tobacco Control in the 21st Century	6		Semester 2
SEXH5100 Social & Policy Aspects of Sexual Health	4		Semester 2
SEXH5101 Public Health Aspects of STDs	2		Semester 2b
SEXH5102 Public Health Aspects of HIV/AIDS	2		Semester 2a
SEXH5200 Advanced STIs	6		Semester 1
SEXH5202 Advanced HIV Infection	6		Semester 2
SEXH5204 Adolescent Sexual Health	4	N SEXH5205 Students are advised to select EITHER SEXH5204 (4 credit points) OR SEXH5205 (6 credit points). Students completing SEXH5204 will NOT be able to undertake SEXH5205. Students are advised to consult with the Unit Coordinator if they need assistance with this selection.	Semester 2
SEXH5205 Advanced Adolescent Sexual Health	6	N SEXH5204 Students are advised to select EITHER SEXH5204 (4 credit points) OR SEXH5205 (6 credit points). Students completing SEXH5204 will NOT be able to undertake SEXH5205. Students are advised to consult with the Unit Coordinator if they need assistance with this selection.	Semester 2

Further enquiries

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15. Infection and Immunity

Graduate Certificate in Infection and Immunity
(GradCertInfnImm) KG005

Graduate Diploma in Infection and Immunity
(GradDipInfnImm) KF040

Master of Medicine (Infection and Immunity)
(MMed(InfnImm)) KC050

Master of Science in Medicine (Infection and Immunity)
(MScMed(InfnImm)) KC051

Overview

Infectious diseases are found all over the world and in many cases present a life-threatening risk and cause death in humans. As well as increasing resistance to antibiotics, the recurrence of known pathogens and the spread of new ones make infectious diseases a challenge for science. The aim of these courses is to produce graduates who can effectively participate in future health care or research programs in infection or immunity anywhere in the world.

The program analyses the fundamental mechanisms of infectious diseases to find improved ways of combating them. It covers a broad range of topics with a focus on understanding the functions of bacteria and viral genes, the mechanisms of viral and bacterial persistence, the immune control of viral and bacterial infections and the mechanisms involved in the generation and regulation of immune responses.

The integrated scientific approach taken will reflect the current state of knowledge regarding infectious microorganisms and their pathogenesis, immunology and the immune responses to infection, and the epidemiology and control of infectious diseases. The principles and practices advocated for the effective prevention or minimisation of infectious diseases – in hospitals, laboratories, the general community and during outbreaks of disease – will be central issues in one of the major units of study. The course will also provide training in various state-of-the-art laboratory techniques used in the disciplines of infectious diseases and immunology, including culture and identification of infectious organisms, antibiotic sensitivity testing, serology, immunohistochemistry, cellular immunology and molecular microbiology.

The Master of Medicine (Infection and Immunity) and the Master of Science in Medicine (Infection and Immunity) are essentially the same program with different admission requirements. Only medical graduates (with an MBBS) may be admitted to the Master of Medicine while non-medical graduates may be admitted to the Master of Science in Medicine. Students follow the same program of study (with the exception, in some cases, of practical work), with the only difference being the title of the course they are awarded on completion.

The graduate diploma and graduate certificate programs are open to both medical and science (non-medical) graduates.

The master's degrees may be awarded at either a pass or honours grade. Honours is only available to students who meet the criteria detailed below, which include enrolling in a further 12 credit points of dissertation units of study for which they undertake supervised research which is written up in a dissertation for examination.

Students who choose not to undertake the honours component but complete their coursework with a minimum average mark of 75 percent will be awarded pass with merit.

Admission

Graduate Certificate in Infection and Immunity and Graduate Diploma in Infection and Immunity

Applicants must have the degree of a Bachelor of Science, a Bachelor of Medicine/Bachelor of Surgery, a Bachelor of Medical Science or Bachelor of Biomedical Sciences, a Bachelor of Veterinary Science, a Bachelor of Agricultural Science, or a Bachelor of Nursing from the University of Sydney, or equivalent. Candidates who hold equivalent qualifications in an appropriate discipline may also be eligible for admission, subject to approval by the faculty.

Master of Medicine (Infection and Immunity)

Applicants must have a degree of Bachelor of Medicine and Bachelor of Surgery from the University of Sydney or equivalent.

Master of Science in Medicine (Infection and Immunity)

Applicants must have either the degree of Bachelor of Science with first or second class honours, or the degree of Bachelor of Science from the University of Sydney, or equivalent, without first or second class honours and have completed equivalent work experience or passed a preliminary examination or examinations as prescribed by the faculty.

Structure

The graduate certificate and graduate diploma are embedded in the master's degrees (see embedded degree explanation in chapter 8).

Course	Credit points for award	Duration full-time	Duration part-time
GradCertInfnImm	24	1 to 3 years	2 to 5 years
GradDipInfnImm	36	1 to 3 years	2 to 5 years
MMed(InfnImm)	48	1 to 3 years	2 to 6 years
MScMed(InfnImm)	48	1 to 3 years	2 to 6 years
MMed(InfnImm)(Hons)	60	1 to 3 years	2 to 6 years
MScMed(InfnImm)(Hons)	60	1 to 3 years	2 to 6 years

The graduate certificate comprises four core units of study (see table on core units of study below and chapter 31 for unit of study details).

The graduate diploma comprises four core units of study and a further two elective units of study chosen from the list of electives (see unit of study tables below and chapter 31 for unit of study details).

The master's degree comprises four core units of study and a further four elective units of study chosen from the list of electives (see unit of study tables below and chapter 31 for unit of study details).

To qualify for the master's degree with honours, students must obtain a weighted average mark of 70 per cent in all 48 credit points of coursework and successfully complete an additional 12 credit point research dissertation (ie 60 credit points of units of study in total), in which students undertake a supervised individual project in an area of interest and report the outcomes in a dissertation. Students are only able to enrol in the dissertation if they have achieved a weighted average mark of 70 per cent in their first 24 credit points of coursework and have the permission of the course coordinator.



Infection and immunity core units of study

<i>Unit of study</i>	<i>Credit points</i>	<i>A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition</i>	<i>Session</i>
INIM5001 Fundamental Immunology	6		Semester 1
INIM5002 Virology and Cell Technology	6		Semester 1
INIM5011 Advanced Medical Bacteriology	6		Semester 2
INIM5012 Infection Control and Epidemiology	6		Semester 2

Infection and immunity elective units of study

<i>Unit of study</i>	<i>Credit points</i>	<i>A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition</i>	<i>Session</i>
INIM5006 Bioinformatics	6		Semester 1
INIM5013 Clinical Mycology and Parasitology	6		Semester 1
INIM5016 Applied Clinical Immunology	6	A Basic immunology	Semester 2
INIM5021 Readings in Infection and Immunity	6	P 24 CP, with a minimum average mark of 70%, taken from the following study units: INIM5001, INIM5002, INIM5011, INIM5012, INIM5006, INIM5013, INIM5014, INIM5015, INIM5016, PUBH5117, SEXH5200 or equivalent approved units. Note: Department permission required for enrolment Students who have successfully completed at least 24 CP of core and elective study units in the postgraduate program in Infection and Immunity and gained a MINIMUM AVERAGE MARK OF 70% in all units undertaken may seek permission from the department to enrol in this elective.	Semester 1 Semester 2
PUBH5117 Communicable Disease Control	6		Semester 2
SEXH5200 Advanced STIs	6		Semester 1
SEXH5202 Advanced HIV Infection	6		Semester 2
Students in the graduate diploma choose two units of study from this list.			
Students in the master's degrees choose four units of study from this list.			

Infection and immunity dissertation units of study

<i>Unit of study</i>	<i>Credit points</i>	<i>A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition</i>	<i>Session</i>
INIM5018 Dissertation A	6	P A candidate must have obtained a minimum weighted average mark of 70% in at least 24 credit points of coursework and obtained approval from the course-coordinator to enrol in this unit of study. Enrolment must be done through the Faculty or School office. Note: Department permission required for enrolment	S2 Late Int Semester 1 Semester 2
INIM5019 Dissertation B	6	P A candidate must have obtained a minimum weighted average mark of 70% in at least 24 credit points of coursework and obtained approval from the course-coordinator to enrol in this unit of study. Enrolment must be done through the Faculty or School office. Note: Department permission required for enrolment	S2 Late Int Semester 1 Semester 2
INIM5020 Dissertation C	12	P A candidate must have obtained a minimum weighted average mark of 70% in at least 24 credit points of coursework and obtained approval from the course-coordinator to enrol in this unit of study. Enrolment must be done through the Faculty or School office. Note: Department permission required for enrolment	S2 Late Int Semester 1 Semester 1a Semester 1b Semester 2 Semester 2a Semester 2b
Dissertation units of study are only taken if undertaking the honours stream, which is not available to all students. See the course coordinator for further information. Students must enrol in 12 credit points of dissertation in addition to the 48 credit points required for the standard master's degree. These should be done either in one semester with Dissertation C or split over two semesters with both Dissertation A and Dissertation B. A student must be enrolled in order to submit the dissertation. If a student is not able to submit his/her thesis after enrolling in 12 credit points of dissertation units of study, he/she must re-enrol in a minimum of six credit points of dissertation units of study, with the concomitant financial liability, every semester until he/she submits.			

Further enquiries

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16. International ophthalmology

Graduate Diploma in International Ophthalmology
(GradDiplOphth) KF048

Master of International Ophthalmology
(MIOphth) KC069

Overview

International Ophthalmology focuses on the specific training needs of clinicians in the developing countries of the Asia-Pacific region, but is not limited to these countries. It provides them the skills to competently practice ophthalmology at the highest possible standard with an emphasis on the specific diseases and pathologies of their home countries.

Students will gain practical skills including knowledge on the prognosis and management of common eye conditions, diseases and injuries to the eye. The course provides the opportunity for extensive practical experience, including performing ophthalmic surgery and management of post-operative complications.

Clinical and basic sciences are taught online and local and visiting mentors provide valuable clinical teaching and supervision in the student's working environment.

Admission

Admission requires a Bachelor of Medicine, Bachelor of Surgery (MBBS) from the University of Sydney or other approved institution. Students who have completed a Graduate Diploma in International Ophthalmology may be able to enrol and gain a master's degree.

Structure

The graduate diploma is embedded in the master's degree (see the explanation of embedded degrees in chapter 8).

The majority of the degree is in the form of distance learning.

Each of the following core units of study (Ophthalmic Anatomy, Ophthalmology in Developing Countries 1 and 2, Clinical Ophthalmology 1 and 2) requires one semester of study to complete and is taught via the internet.

The method of assessment will be based on assignments (three assignments set every three weeks), problem based learning modules and online participation.

Students will also be required to sit a final examination for Clinical Ophthalmology 2, consisting of both written and practical components in their country of work.

Surgical Ophthalmology requires one semester of study to complete and is taught via the internet. The method of assessment will be based on problem based learning modules and online participation. Students will also be required to sit a final examination consisting of both written and practical components in their country of work.

The Practical Ophthalmic Science unit of study is offered once each year in November/December in Sydney, Australia.

Students enrolled in this unit of study are required to attend a 3-week full time course (3x5 days) held at the Save Sight Institute, Sydney Eye Hospital, and the Discipline of Anatomy and Histology, Sydney, Australia.

At the end of each week there will be an observed clinical exam. Students will need to pass all three exams to pass this unit of study.

To gain the master's with honours, the candidate is expected to produce a dissertation of 8–40,000 words based on a research project undertaken during one semester, under the guidance of a suitable supervisor.

Course	Credit points for award	Duration full-time	Duration part-time
GradDiplOphth	36	1 to 2 years	1.5 to 4 years
MIOphth	48	1 to 2 years	2 to 6 years

The graduate diploma comprises four core units of study and 6 credit points of electives (see table of core units of study below and chapter 31 for unit of study details).

The master's degree comprises seven core units of study (see table of core units of study below and chapter 31 for unit of study details).

To qualify for the master's degree with honours, students must obtain a weighted average mark of 70 per cent in all 48 credit points of coursework and successfully complete an additional 12 credit point research dissertation (ie 60 credit points of units of study in total), in which students undertake a supervised individual project in an area of interest and report the outcomes in a dissertation.

Students are only able to enrol in the dissertation if they have achieved a weighted average mark of 70 per cent in their first 24 credit points of coursework and have the permission of the course coordinator.



International ophthalmology core units of study

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
<i>Core units of study for the graduate diploma and master's degree</i>			
OPSC5001 Ophthalmic Anatomy	9	A Undergraduate knowledge of basic human anatomy	Semester 1 Semester 2
OPSC5004 Practical Ophthalmic Science	9	A Undergraduate knowledge of physics relating to light and optics P OPSC5001 and (OPSC5002 or OPSC5003 or OPSC5013)	S2 Late Int
OPSC5013 Ophthalmology in Developing Countries 1	6	C OPSC5001	Semester 1 Semester 2
OPSC5014 Ophthalmology in Developing Countries 2	6	P OPSC5013	Semester 1 Semester 2
<i>Core units of study for the master's degree</i>			
<i>Elective units of study for the graduate diploma</i>			
OPSC5015 Clinical Ophthalmology 1	6	P OPSC5013 and OPSC5014	Semester 1 Semester 2
OPSC5017 Surgical Ophthalmology	6	P OPSC5013 and OPSC5014	Semester 1 Semester 2
Students in the graduate diploma choose one of these two units			
<i>Core unit of study for the master's degree</i>			
OPSC5016 Clinical Ophthalmology 2	6	P OPSC5015	Semester 1 Semester 2

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17. International public health

Graduate Diploma in International Public Health
(GradDipIntPH) KF029

Master of International Public Health
(MIntPH) KC053

Overview

International Public Health emphasises a modern approach to public health in low- and middle-income countries. It aims to ensure students can work productively in public health in an international context, particularly in developing countries, through understanding the distribution and determinants of disease and health.

Students will also learn about health systems and policies for effective disease prevention and control interventions. This includes health promotion and relevant aspects of program design, implementation and evaluation.

The master's degree may be awarded at either a pass or honours grade. Honours is only available to students who meet the criteria detailed below, which include enrolling in a further 12 credit points of dissertation units of study for which they undertake supervised research which is written up in a dissertation for examination.

Master's degree students who choose not to undertake the honours component but complete their coursework units of study with a minimum average mark of 75 percent will be awarded pass with merit.

Admission

Graduate Diploma in International Public Health

Admission normally requires a three-year degree or qualifications that are of an equivalent level, such as a diploma or certificate issued by a professional body.

Master of International Public Health

Admission normally requires a minimum of a four-year full-time degree (or its part-time equivalent) from the University of Sydney or a recognised institution.

If candidates do not have a recognised four-year full-time equivalent degree, then a shorter degree may be acceptable as long as they also have non-degree professional qualifications and/or substantial relevant experience and/or additional relevant qualifications.

Structure

The graduate diploma is embedded in the master's degree (see the explanation of embedded degrees in chapter 8). Students who commence the graduate diploma may be able to upgrade to the master's degree on successful completion of 24 credit points of coursework or at the discretion of the coordinator of the International Public Health program.

To qualify for the degree, students must complete both core (compulsory) coursework and elective coursework, allowing them to select units of study appropriate to their career interests.

In general, core units of study are completed in Semester 1 of each year and electives are completed in Semester 2 of each year.

Students may commence in either Semester 1 or Semester 2, but commencing in Semester 2 limits the choice of electives as some Semester 2 units of study have Semester 1 units of study as prerequisites (ie prior to commencing a unit of study another unit of study must have been completed successfully).

Teaching methods involve structured and problem-oriented learning. Structured learning is achieved through direct teaching and self-instructional material such as course notes, computer exercises and reading lists. Group learning is encouraged to ensure valuable experience and knowledge are exchanged between local and international students.

Study support groups are also formed for class presentations. Assessment methods vary between units of study and include written assignments, examinations and group presentations and facilitation.

Course	Credit points for award	Duration full-time	Duration part-time
GradDipIntPH	36	1 to 2 years	2 to 3 years
MIntPH	48	1 to 3 years	2 to 4 years
MIntPH(Hons)	60	1 to 3 years	2 to 4 years

The graduate diploma comprises four core units of study (24 credit points) and a further 12 credit points of elective units of study chosen from the lists of electives. At least 28 credit points of core and elective units of study must be chosen from the MIPH core and electives list.

A maximum of eight credit points of elective units of study may be chosen from the non-MIPH electives list (see tables on core and elective units of study below and chapter 31 for unit of study details). Other combinations are only possible with the written approval of the course coordinator.

The master's degree comprises four core units of study (24 credit points) and a further 24 credit points of elective units of study chosen from the lists of electives. At least 36 credit points of core and elective units of study must be chosen from the MIPH core and electives list.

A maximum of 12 credit points of elective units of study may be chosen from the non-MIPH electives list (see tables on core and elective units of study below and chapter 31 for unit of study details). Other combinations are only possible with the written approval of the course coordinator.

To qualify for the master's degree with honours, students must obtain a weighted average mark of 70 per cent in all 48 credit points of coursework and successfully complete an additional 12 credit point research dissertation (ie 60 credit points of units of study in total), in which students undertake a supervised individual project in an area of interest and report the outcomes in a dissertation.

Students are only able to enrol in the dissertation if they have achieved a weighted average mark of 70 per cent in their first 24 credit points of coursework and have the permission of the course coordinator.



International public health core units of study

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
MIPH5131 Foundations of International Health	6		Semester 1
MIPH5132 Disease Priorities and Social Methods	6		Semester 1
PUBH5010 Epidemiology Methods and Uses	6	N BSTA5011	Semester 1
PUBH5018 Introductory Biostatistics	6		Semester 1
Part-time students generally take 12 credit points of core units of study in each of their 1st and 3rd semesters.			

International public health MIPH elective units of study

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
<i>Elective units of study for the graduate diploma and master's degree</i>			
Part-time students may take these units of study in either their 2nd or 4th semester, but if they have not completed all core units of study, they must ensure that they fulfill the essential pre- and corequisites and that there are no timetable clashes. Students commencing mid-year should discuss their choices with the course coordinator before enrolling.			
MIPH5004 Praxis in International Public Health I	2	<i>Note: Department permission required for enrolment</i> <i>Students discuss with an international public health staff member to be their supervisor on an agreed project. The supervisor emails the Postgraduate Student Administration Unit permission for the student to enroll.</i>	Semester 1 Semester 2
MIPH5005 Praxis in International Public Health II	4	<i>Note: Department permission required for enrolment</i> <i>Students discuss with an international public health member to be their supervisor on an agreed project. The supervisor emails the Postgraduate Student Administration Unit permission for the student to enroll.</i>	Semester 1 Semester 2
MIPH5008 Travel and Tropical Medicine	2		S2 Late Int
MIPH5014 International Health Promotion	4		Semester 2
MIPH5112 Disease Control in Developing Countries	4		Semester 2
MIPH5115 Women's and Children's Health	4		Semester 2
MIPH5116 Health and Culture	4		Semester 2
MIPH5117 Diseases of Modernisation	2		Semester 2a
MIPH5118 Global Perspectives of HIV/AIDS	4		Semester 2
MIPH5122 International Environmental Health	2		Semester 2
MIPH5124 Health Issues & Humanitarian Emergencies	4		S2 Late Int
MIPH5127 Mental Disorders in Global Context	2		S2 Late Int
MIPH5135 Health Systems in Developing Countries	4		Semester 2
MIPH5136 Nutrition in International Settings	4		S2 Intensive
MIPH5218 Economics and Global Pharmaceuticals	2		S2 Intensive
MIPH5219 International Health Project Management	6		Semester 2
Graduate diploma students must choose their units of study so that at least 28 credit points (i.e. core units of study plus elective units of study) are taken from this list.			
Master's students must choose their electives so that at least a total of 36 credit points (i.e. core units of study plus elective units of study) are taken from these lists.			

International public health non-MIPH elective units of study

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
<i>Elective units of study for the graduate diploma and master's degree</i>			
BETH5203 Ethics and Public Health	6	A A three-year undergraduate degree in science, medicine, nursing, allied health sciences, philosophy/ethics, sociology/anthropology, history, or other relevant field, or by special permission. <i>A limited number of students may be granted permission to take this unit during their honours year.</i>	Semester 2
CISS6004 Disease and Security	6		Semester 1
DENT5013 Preventative Dentistry	6	P (PUBH5010 and PUBH5018) or DENT6000	Semester 2
DENT5014 Dental Health Services	6		Semester 2
DENT5015 Population Oral Health	6	P (PUBH5015 and PUBH5016) or (MIPH5131 and MIPH5132)	Semester 2
HPOL5000 Introduction to Health Policy	6		Semester 1
HPOL5001 Economics and Finance for Health Policy	6		Semester 1
HPOL5003 Analysing Health Policy	6		Semester 2
HPOL5007 Global Health Policy	6		Semester 2
LAWS6252 Legal Reasoning & the Common Law System	6	N LAWS6881 <i>International candidates must enrol in the Week 1 intensive session of their first semester of study.</i>	S1 Intensive S1 Late IntB S2 Late IntA
LAWS6839 Critical Issues in Public Health Law	6	<i>Compulsory for GradDipPubHL candidates. MHL candidates may select this unit as one of the three compulsory units required in addition to LAWS6252 or LAWS6881.</i>	S2 Intensive
LAWS6848 New Directions in Public Health Law	6	<i>compulsory for GradDipPubHL candidates</i>	S1 Intensive
PSYC5011 Applying Models of Health Behaviour	6		Semester 2
PUBH5017 Public Health Program Evaluation	6	P PUBH5010 and PUBH5018 and PUBH5015 and PUBH5016	Semester 2
PUBH5019 Cancer Prevention and Control	6	P PUBH5010	Semester 2
PUBH5101 Special Project in Public Health	4	<i>Note: Department permission required for enrolment Students negotiate with a public health staff member to be their supervisor on an agreed project. The supervisor informs the Unit co-ordinator, who emails the Postgraduate Student Administration Unit permission for the student to enrol.</i>	Semester 1 Semester 2
PUBH5102 Special Project in Public Health	2	<i>Note: Department permission required for enrolment Students negotiate with a public health staff member to be their supervisor on an agreed project. The supervisor informs the Unit co-ordinator, who emails the Postgraduate Student Administration Unit permission for the student to enrol.</i>	Semester 1 Semester 2
PUBH5110 Introduction to Public Health Nutrition	4		Semester 2
PUBH5111 Environmental Health	4		Semester 2
PUBH5113 International Health	4		Semester 2
PUBH5114 Alcohol, Drug Use and Health	4	N PUBH5115 <i>Note: Department permission required for enrolment Students request permission from the unit of study coordinator to enrol in this unit. The coordinator emails the Postgraduate Student Administration Unit advice that the student has permission to enrol.</i>	Semester 2
PUBH5115 Alcohol, Drug Use and Health	2	N PUBH5114 <i>Note: Department permission required for enrolment Students request permission from the unit of study coordinator to enrol in this unit. The coordinator emails the Postgraduate Student Administration Unit advice that the student has permission to enrol.</i>	Semester 2a
PUBH5116 Genetics and Public Health	4		S2 Late Int
PUBH5117 Communicable Disease Control	6	P PUBH5010	Semester 2
PUBH5205 Decision Analysis	2	P PUBH5018 and PUBH5010 <i>Recommended: PUBH5302 Health Economic Evaluation</i>	Semester 2b
PUBH5206 Controlled Trials	2		S2 Intensive
PUBH5208 Screening and Diagnostic Test Evaluation	2	P PUBH5010	Semester 2a
PUBH5211 Multiple Regression and Stats Computing	4	P PUBH5018	Semester 2
PUBH5212 Categorical Data Analysis	2	P PUBH5018 C PUBH5211	Semester 2b

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
PUBH5213 Survival Analysis	2	C PUBH5211	Semester 2b
PUBH5221 Qualitative Research Methods	2	P PUBH5016 or MIPH5132 or PUBH5014	S2 Intensive
PUBH5302 Health Economic Evaluation	4	P PUBH5010 and PUBH5018	S2 Intensive
PUBH5307 Advanced Health Economic Evaluation	2	P PUBH5018 and PUBH5010 C PUBH5205 and (PUBH5302 or CEPI5303)	S2 Late Int
PUBH5414 Public Health Advocacy	2		S2 Intensive
PUBH5415 Injury Prevention	2		S2 Intensive
PUBH5416 Vaccines in Public Health	2	<i>Note: Department permission required for enrolment Students may be required to request permission from the unit of study coordinator to enroll in this unit of study. In this situation, the coordinator emails the Postgraduate Student Administration Unit advice that the student has permission to enrol</i>	S2 Intensive
PUBH5417 Injury Epidemiology Prevention & Control	4		Semester 2
PUBH5418 Tobacco Control in the 21st Century	6		Semester 2
PUBH5419 Falls Prevention in Older People	4		Semester 2
SEXH5100 Social & Policy Aspects of Sexual Health	4		Semester 2
SEXH5101 Public Health Aspects of STDs	2		Semester 2b
SEXH5102 Public Health Aspects of HIV/AIDS	2		Semester 2a
SEXH5204 Adolescent Sexual Health	4	N SEXH5205 <i>Students are advised to select EITHER SEXH5204 (4 credit points) OR SEXH5205 (6 credit points). Students completing SEXH5204 will NOT be able to undertake SEXH5205. Students are advised to consult with the Unit Coordinator if they need assistance with this selection.</i>	Semester 2
SEXH5205 Advanced Adolescent Sexual Health	6	N SEXH5204 <i>Students are advised to select EITHER SEXH5204 (4 credit points) OR SEXH5205 (6 credit points). Students completing SEXH5204 will NOT be able to undertake SEXH5205. Students are advised to consult with the Unit Coordinator if they need assistance with this selection.</i>	Semester 2
Graduate diploma students can choose up to eight credit points in total (i.e. core units of study plus elective units of study) from non-MIPH units of study including electives from UNSW.			
Students may complete either LAWS6881 (Semester 1) or LAWS6252 (Semester 2) but may not complete both, and must complete either LAWS6881 or LAWS6252 before undertaking LAWS6839.			
For information on UNSW elective units of study, please go to the following UNSW website http://www.sphcm.med.unsw.edu.au/ .			
Master's degree students can choose up to 12 credit points (i.e. core units of study plus elective units of study) from non-MIPH units of study including electives from UNSW.			

International public health dissertation units of study

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
INIM5018 Dissertation A	6	P A candidate must have obtained a minimum weighted average mark of 70% in at least 24 credit points of coursework and obtained approval from the course-coordinator to enrol in this unit of study. Enrolment must be done through the Faculty or School office. <i>Note: Department permission required for enrolment</i>	S2 Late Int Semester 1 Semester 2
INIM5019 Dissertation B	6	P A candidate must have obtained a minimum weighted average mark of 70% in at least 24 credit points of coursework and obtained approval from the course-coordinator to enrol in this unit of study. Enrolment must be done through the Faculty or School office. <i>Note: Department permission required for enrolment</i>	S2 Late Int Semester 1 Semester 2
INIM5020 Dissertation C	12	P A candidate must have obtained a minimum weighted average mark of 70% in at least 24 credit points of coursework and obtained approval from the course-coordinator to enrol in this unit of study. Enrolment must be done through the Faculty or School office. <i>Note: Department permission required for enrolment</i>	S2 Late Int Semester 1 Semester 1a Semester 1b Semester 2 Semester 2a Semester 2b
Dissertation units of study are only taken if undertaking the honours stream, which is not available to all students. See the course coordinator for further information. Students must enrol in 12 credit points of dissertation in addition to the 48 credit points required for the standard master's degree. These should be done either in one semester with Dissertation C or split over two semesters with both Dissertation A and Dissertation B. A student must be enrolled in order to submit the dissertation. If a student is not able to submit his/her thesis after enrolling in 12 credit points of dissertation units of study, he/she must re-enrol in a minimum of six credit points of dissertation units of study, with the concomitant financial liability, every semester until he/she submits.			

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18. Medical education

Graduate Certificate in Medical Education
(GradCertMedEd) KG004

Graduate Diploma in Medical Education
(GradDipMedEd) KF036

Master of Medical Education
(MMedEd) KC046

Overview

The Medical Education programs aim to equip people who have educational responsibilities in the fields of medicine, the health professions or health sciences with knowledge, skills and attitudes relevant to undergraduate, postgraduate and continuing education.

The courses provide a broad understanding of best evidence medical education and a practical, project-based application of principles to students' own workplace settings.

Students will emerge from this program with enhanced skills in:

- medical curriculum development, implementation and evaluation, and student assessment
- a proactive approach to continuous quality improvement in medical education
- a deeper understanding of principles and practices which underpin learning and teaching in medicine and the health sciences
- attitudes to medical education which reflect best-evidence and learner-centredness.

Admission

An applicant for admission to candidature for the Medical Education program shall normally be a graduate of the University of Sydney or another recognised institution and have completed an undergraduate degree at a standard acceptable to the faculty. Students are required to have access to a relevant clinical setting or recent experience in a clinical setting.

Alternatively, applicants to the graduate certificate may be admitted on the basis of equivalent professional experience in a relevant field.

Applicants to the graduate diploma may be admitted if they have completed the Graduate Certificate in Medical Education or its equivalent.

Applicants to the master's degree may be admitted if they have completed the Graduate Diploma in Medical Education or its equivalent.

Structure

This course may be undertaken in two modes:

1. Either as a face-to-face course, requiring regular attendance on campus, followed by some participation in online learning activities, OR
2. as a fully online, distance mode course, requiring regular participation in online activities and discussions.

Our emphasis on small group interactive learning, delivered flexibly, will provide you with ongoing feedback and contact with your fellow students and course coordinators.

The graduate certificate and graduate diploma are embedded in the master's degree (see chapter 8 for an explanation of embedded degrees).

At least 50 per cent of the credit points needed for award (eg at least 12 credit points for graduate certificate, 18 credit points for the graduate diploma and 24 credit points for the master's degree) must be completed from the MDED units of study.

Course	Credit points for award	Duration full-time	Duration part-time
GradCertMedEd	24	0.5 year	0.5 to 2 years
GradDipMedEd	36	1 year	1 to 3 years
MMedEd	48	1 to 2 years	1 to 4 years

The graduate certificate comprises two core units of study and a further two elective units of study chosen from the lists of electives (see tables on core and elective units of study below and chapter 31 for unit of study details).

The graduate diploma comprises two core units of study and a further four elective units of study chosen from the lists of electives (see tables on core and elective units of study below and chapter 31 for unit of study details).

The master's degree comprises two core units of study and a further six elective units of study chosen from the lists of electives (see tables on core and elective units of study below and chapter 31 for unit of study details).



Medical education core units of study

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
<i>The two core units of study must be taken from the same area (i.e. both MDED or both BACH or both EDPR).</i>			
MDED5001 Teaching and Learning in Medicine	6		Semester 1 Semester 2
MDED5002 Scholarship of Teaching in Medicine	6		Semester 2
BACH5001 Adult Learning	6		Semester 1 Semester 2
BACH5002 Educational Design	6		Semester 1 Semester 2
EDPR5001 University Teaching and Learning	6		Semester 1
EDPR5002 Reflection & Practice in University T&L	6		Semester 1

Medical education MDED elective units of study

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
MDED5003 Educational Development and Evaluation	6		Semester 2
MDED5004 Independent Studies A	6	P MDED5001 and MDED5002 and MDED5011 <i>Note: Department permission required for enrolment Students negotiate with an Office of Postgraduate Medical Education staff member to be their supervisor on an agreed project. The supervisor emails the Postgraduate Student Administration Unit permission for the student to enrol.</i>	Semester 1 Semester 2
MDED5005 Independent Studies B	6	P MDED5001 and MDED5002 and MDED5011 <i>Note: Department permission required for enrolment Students negotiate with an Office of Postgraduate Medical Education staff member to be their supervisor on an agreed project. The supervisor emails the Postgraduate Student Administration Unit permission for the student to enrol.</i>	Semester 1 Semester 2
MDED5006 Facilitating Clinical Learning	6		Semester 1
MDED5007 PBL in Medical Education	6		Semester 2
MDED5008 Assessment in Medical Education	6		Semester 1
MDED5009 Promoting Interprofessional Learning	6	<i>Note: Department permission required for enrolment Students request permission from the unit of study coordinator to enrol in this unit. The coordinator emails the Postgraduate Student Administration Unit advice that the student has permission to enrol.</i>	Semester 2
MDED5010 Developing Clinical Reasoning	6		Semester 1
MDED5011 Research Methods in Medical Education	6	C MDED5002	Semester 2
Students in the graduate certificate choose two electives from this list if their core units of study were not MDED units of study.			
Students in the graduate diploma must choose at least three electives from this list if their core units of study were not MDED units of study.			
Students in the master's degree must choose at least four electives from this list if their core units of study were not MDED units of study.			

Medical education non-MDED elective units of study

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
BACH5003 Facilitating Learning	6	A Some knowledge of adult learning theory and group dynamics useful	Semester 2
BACH5007 Curriculum Leadership	6	A BACH5001 Adult Learning and BACH5002 Educational Design	Semester 2
BACH5022 Independent Investigation II	6	A Basic principles of adult learning and educational design are useful	Semester 2
BACH5042 Teaching Clinical Reasoning	6	A Some knowledge of Adult Learning theory is useful	Semester 2
BACH5085 Clinical Teaching and Supervision	6	A Some knowledge of adult learning theory is useful	Semester 1
BACH5116 Building eLearning Contexts in Health	6	A Basic computer skills and some knowledge of adult learning theory would be useful <i>For staff only</i>	Semester 2
BACH5118 Learning in Groups	6		Semester 1
BACH5151 Independent Investigation I	6	A Basic principles of adult learning and educational design are useful	Semester 1
BACH5153 Assessment of Learning	6	A Knowledge of adult learning and educational design is useful	Semester 1
CEPI5200 Quality and Safety in Health Care	6	A clinical experience strongly recommended	Semester 1
EDPA5013 Evaluation of Educational Programs	6		S1 Late Int S2 Late Int Semester 2
EDPB6013 Internationalisation of Education	6	<i>Note: Department permission required for enrolment in the following sessions: S1 Late Int, S2 Late Int</i>	S1 Late Int S2 Late Int Semester 1 Semester 2
EDPC5015 Emerging IT and Educational Change <i>This unit of study is not available in 2009</i>	6	<i>Note: Department permission required for enrolment</i>	Semester 1
EDPC6018 Designing Computer Assisted Learning Env <i>This unit of study is not available in 2009</i>	6	<i>Note: Department permission required for enrolment</i>	Semester 1
EDPE5001 Learning, Knowing and Thinking	6		Semester 1
EDPE5011 Motivation for Learning	6		Semester 1
EDPE6011 Learning and Individual Differences	6		Semester 2
EDPE6016 Adult Learning and Development	6		Semester 1
EDPK5001 Qualitative Methods	6		Semester 1 Semester 2
EDPK5002 Quantitative Methods	6		Semester 1
EDPK5003 Developing a Research Project	6		Semester 1 Semester 2
EDPP5002 Enquiry in Teaching and Curriculum	6		Semester 2
EDPR5003 Research Enhanced Teaching and Learning	6	C EDPR5011	Semester 2
EDPR5011 Scholarship of Uni Teaching and Learning	6	P EDPR5001 and EDPR5002	Semester 2
EDPR6012 Developing Flexible Learning - Higher Ed	6		Semester 2
MMHU6905 Medicine and Music	6		Semester 2

Further enquiries

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19. Medical humanities

Graduate Certificate in Medical Humanities

(GradCertMedHum) KG013

Graduate Diploma in Medical Humanities

(GradDipMedHum) KF050

Master of Medical Humanities

(MMedHum) KC070

Overview

The medical humanities program explores the human side of medicine. It aims to overcome the separation of clinical care from the human experience of illness through the use of concepts and analytic tools from various arts and social science disciplines. The medical humanities provide insight into the human condition – for example suffering, personhood and our responsibility to each other – and offer an historical perspective on medical practice.

Knowledge of literature and the arts helps to develop and nurture skills of observation, analysis, empathy, and self-reflection – skills that are essential for humane medical care. The social sciences help us to understand how bioscience and medicine take place within cultural and social contexts and how culture interacts with the individual experience of illness and the way medicine is practiced.

Admission

Admission normally requires a bachelor's degree from the University of Sydney or another recognised institution.

Structure

The graduate certificate and graduate diploma are embedded in the master's degree (see embedded degrees explanation in chapter 8).

At least 75 per cent of the credit points needed for award (eg at least 18 credit points for graduate certificate, 30 credit points for the graduate diploma and 36 credit points for the master's degree), must be completed from MMHU units of study unless insufficient units are available or the course coordinator gives written permission.

Course	Credit points for award	Duration full-time	Duration part-time
GradCertMedHum	24	0.5 to 1 years	2 to 4 years
GradDipMedHum	36	1 to 2 years	1.5 to 3 years
MMedHum	48	1 to 2 years	2 to 4 years

The graduate certificate comprises one core unit of study and a further 18 credit points of electives chosen from the lists of electives (see unit of study tables below and chapter 31 for unit of study details).

The graduate diploma comprises one core unit of study and a further 30 credit points of electives chosen from the lists of electives (see unit of study tables below and chapter 31 for unit of study details).

The master's degree comprises one core unit of study and a further 42 credit points of electives chosen from the lists of electives (see unit of study tables below and chapter 31 for unit of study details).

Medical humanities core units of study

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
MMHU6903 Key Concepts in Medical Humanities	6		Semester 1

Medical humanities MMHU elective units of study

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
MMHU6901 Medicine and War <i>This unit of study is not available in 2009</i>	6		Semester 2
MMHU6902 Independent Study	6		Semester 1 Semester 2
MMHU6905 Medicine and Music	6		Semester 2
MMHU6906 Bodies on Display: Medicine, Museums, Art	6		Semester 1
MMHU6908 Dignity	6		Semester 1
MMHU6909 Risk and Health: Communication, Policy	6		Semester 2
Students in the graduate certificate must choose at least two electives from this list.			
Students in the graduate diploma must choose at least three electives from this list.			
Students in the master's degree must choose at least five electives from this list.			
MMHU6901 Medicine and War is only offered in even years.			
MMHU6906 Bodies on Display: Medicine, Museums, Art is only offered in odd years.			



Medical humanities non-MMHU elective units of study

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
BETH5000 Core Concepts in Bioethics	6	A A three-year undergraduate degree in science, medicine, nursing, allied health sciences, philosophy/ethics, sociology/anthropology, history, or other relevant field, or by special permission. <i>A limited number of students may be granted permission to take this unit during their honours year.</i>	Semester 1
BETH5101 Introduction to Ethical Reasoning	6	A A three-year undergraduate degree in science, medicine, nursing, allied health sciences, philosophy/ethics, sociology/anthropology, history, or other relevant field, or by special permission. <i>A limited number of students may be granted permission to take this unit during their honours year.</i>	Semester 1
BETH5102 Philosophy of Medicine	6	A A three-year degree in science, medicine, nursing, allied health sciences, philosophy/ethics, sociology/anthropology, history, or other relevant field - or by special permission. <i>A limited number of students may be granted permission to take this unit during their honours year.</i>	Semester 1
BETH5103 Biomedicine and Society	6	A A three-year undergraduate degree in science, medicine, nursing, allied health sciences, philosophy/ethics, sociology/anthropology, history, or other relevant field, or by special permission. <i>A limited number of students may be granted permission to take this unit during their honours year.</i>	Semester 2
BETH5104 Bioethics, Law and Society	6	A A three-year undergraduate degree in science, medicine, nursing, allied health sciences, philosophy/ethics, sociology/anthropology, history, or other relevant field, or by special permission	Semester 1
BETH5201 Ethics and Biotech: Genes and Stem Cells	6	A A three-year undergraduate degree in science, medicine, nursing, allied health sciences, philosophy/ethics, sociology/anthropology, history, or other relevant field, or by special permission. <i>A limited number of students may be granted permission to take this unit during their honours year.</i>	Semester 2
BETH5202 Human and Animal Research Ethics	6	A A three-year undergraduate degree in science, medicine, nursing, allied health sciences, philosophy/ethics, sociology/anthropology, history, or other relevant field, or by special permission. <i>A limited number of students may be granted permission to take this unit during their honours year.</i>	Semester 2
BETH5203 Ethics and Public Health	6	A A three-year undergraduate degree in science, medicine, nursing, allied health sciences, philosophy/ethics, sociology/anthropology, history, or other relevant field, or by special permission. <i>A limited number of students may be granted permission to take this unit during their honours year.</i>	Semester 2
BETH5204 Clinical Ethics	6	A Honours or equivalent degree, or other appropriate terminal undergraduate degree (such as a three-year nursing degree) in science, medicine, nursing, allied health sciences, philosophy/ethics, sociology/anthropology, history, or other relevant field-or by special permission. <i>A limited number of students may be granted permission to take this unit during their honours year.</i>	Semester 1
BETH5205 Ethics and Mental Health	6		Semester 2
SCWK6944 Death, Dying and Mourning	6		Semester 1
HPSC4102 History of Science	6	P Available only to students admitted to HPS Honours, Graduate Diploma in Science (History and Philosophy of Science) and Graduate Certificate in Science (History and Philosophy of Science), or by special permission. <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
HPSC4103 Sociology of Science	6	P Available only to students admitted to HPS Honours, Graduate Diploma in Science (History and Philosophy of Science) and Graduate Certificate in Science (History and Philosophy of Science), or by special permission. <i>Note: Department permission required for enrolment</i>	Semester 2
Electives may also be chosen from other postgraduate coursework programs across the university, with prior permission from the Medical Humanities course coordinator and the unit of study convener.			

Further enquiries

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20. Ophthalmic science

Graduate Diploma in Medicine (Ophthalmic Science)
(GradDipMed(OphthSc)) KF037

Graduate Diploma of Science in Medicine (Ophthalmic Science)
(GradDipScMed(OphthSc)) KF038

Master of Medicine (Ophthalmic Science)
(MMed(OphthSc)) KC047

Master of Science in Medicine (Ophthalmic Science)
(MScMed(OphthSc)) KC048

Overview

Ophthalmic science aims to prevent blindness, promote eye health and rehabilitate those with a visual disability. The courses provide graduates with the core knowledge and understanding of basic ophthalmic science and thus enable them to practice ophthalmology at the highest possible standard.

The degree teaches ocular anatomy, physiology, optics, genetics, pathology, practical ophthalmic science and is completed with a treatise in the field of ophthalmology.

Units of study are delivered online, with the exception of the 'Practical Ophthalmic Science' unit, which is delivered face-to-face in block mode.

The Master of Medicine (Ophthalmic Science) and the Master of Science in Medicine (Ophthalmic Science) are essentially the same program but with different admission requirements, and the same applies to the Graduate Diploma in Medicine (Ophthalmic Science) and the Graduate Diploma of Science in Medicine (Ophthalmic Science).

Only medical graduates (ie those with an MBBS) may be admitted to the Master of Medicine/Graduate Diploma in Medicine, while non-medical graduates may be admitted to the Master of Science in Medicine/Graduate Diploma of Science in Medicine.

Students enrolled in the Master of Medicine and Master of Science in Medicine follow the same program of study, with the only difference being the title of the degree they are awarded on completion.

Ophthalmic science core units of study

<i>Unit of study</i>	<i>Credit points</i>	<i>A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition</i>	<i>Session</i>
<i>Core units of study for the graduate diplomas and master's degrees</i>			
OPSC5001 Ophthalmic Anatomy	9	A Undergraduate knowledge of basic human anatomy	Semester 1 Semester 2
OPSC5002 Ophthalmic Physiology	9	A Undergraduate knowledge of basic human cell and organ physiology C OPSC5001	Semester 1
OPSC5003 Ophthalmic Optics	9	A Undergraduate knowledge of physics relating to light and optics	Semester 2
OPSC5004 Practical Ophthalmic Science	9	A Undergraduate knowledge of physics relating to light and optics P OPSC5001 and (OPSC5002 or OPSC5003 or OPSC5013)	S2 Late Int
<i>Core unit of study for the master's degrees</i>			
OPSC5005 Treatise	12	P OPSC5001 and OPSC5002	Semester 1 Semester 2
Master's degree students must enrol in OPSC5005. A student must be enrolled in order to submit the treatise. If a student is not able to submit his/her treatise after enrolling in OPSC5005 for one semester, he/she must enrol in OPSC5005, with the concomitant financial liability, every semester until he/she submits.			

Admission

Graduate Diploma in Medicine (Ophthalmic Science) and Master of Medicine (Ophthalmic Science)

Admission requires a Bachelor of Medicine, Bachelor of Surgery (MBBS) from the University of Sydney or other approved institution.

Graduate Diploma of Science in Medicine (Ophthalmic Science) and Master of Science in Medicine (Ophthalmic Science)

Admission requires either a bachelor's degree with first or second class (division I) honours from the University of Sydney or another approved institution, or a bachelor's degree with a good pass from the University of Sydney or another approved institution.

Structure

The graduate diplomas are embedded in the master's degrees (see chapter 8 for an explanation of embedded degrees).

The majority of the degree is in the form of distance learning. Practical Ophthalmic Science is a 3-week block/intensive mode (3x5 days) to be taken at either the Save Sight Institute, Sydney, NSW or at the University of Otago, Dunedin, New Zealand. The unit of study will be held during the inter-semester break.

Course	Credit points for award	Duration full-time	Duration part-time
GradDipMed(OphthSc)	36	1–2 years	1–3 years
GradDipScMed(OphthSc)	36	1–2 years	1–3 years
MMed(OphthSc)	48	1–3 years	2–6 years
MScMed(OphthSc)	48	1–3 years	2–6 years

The graduate diploma comprises four core units of study (see tables on core units of study below and chapter 31 for unit of study details). Additional units of study are available if students are granted an exemption for any of the core units of study.

The master's degree comprises five core units of study (see tables on core units of study below and chapter 31 for unit of study details). Additional units of study are available if students are granted an exemption for any of the core units of study.

Ophthalmic science additional units of study

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
OPSC5011 Ocular Genetics	9	P OPSC5001 C OPSC5002 N OPSC5012 <i>Note: Department permission required for enrolment Students request permission from the unit of study coordinator to enrol in this unit of study. The coordinator emails the Postgraduate Student Administration Unit advice that the student has permission to enrol.</i>	Semester 1 Semester 2
OPSC5012 Ocular Pathology	9	P OPSC5001 C OPSC5002 N OPSC5011 <i>Note: Department permission required for enrolment Students request permission from the unit of study coordinator to enrol in this unit of study. The coordinator emails the Postgraduate Student Administration Unit advice that the student has permission to enrol.</i>	Semester 1 Semester 2
These units of study are only available to students with an exemption for a core unit of study.			

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21. Paediatric medicine

Graduate Certificate in Medicine (Paediatric Medicine)
(GradCertMed(Paediatric Medicine)) KG016

Graduate Diploma in Medicine (Paediatric Medicine)
(GradDipMed(Paediatric Medicine)) KF053

Master of Medicine (Paediatric Medicine)
(MMed(Paediatric Medicine)) KC073

Overview

The Master of Medicine (Paediatric Medicine) is designed for practitioners who wish to advance their knowledge and application of paediatric medicine.

Each unit of study stands alone with no prerequisites, offering maximum flexibility in an adult learning environment. The units are designed to update students' core knowledge in the relevant subject area and to enhance clinical practice with case-based scenarios that focus on current evidence-based best practice.

A series of carefully chosen practical, relevant topics, presented in a case-based interactive online format taught by expert clinicians, will challenge and stimulate participants.

Active discussion among students and course conveners is key to the learning process, with a focus on recent advances and controversial topics. Each unit consists of a combination of case-based interactive clinical scenarios, weekly discussion forums and self-directed learning and is designed to provide the latest practical and theoretical knowledge.

Admission

Admission requires a Bachelor of Medicine/Bachelor of Surgery (MBBS) from an Australian university or an equivalent qualification from an approved institution.

Structure

The graduate certificate and graduate diploma are embedded in the master's degree (see chapter 8 for an explanation of embedded degrees).

The program is offered in the form of online distance education. Enrolled students are provided with a user name and password that allows them to access a protected course website. The website provides the interactive platform for both the clinical scenarios and the facilitated discussion forums.

Assessment is by performance and participation in discussion forums and by written assignment.

All 6-credit-point units of study offered by the Faculty of Medicine are suitable for elective units. Approved elective units of study are listed below. Other units of study, including those offered by other faculties, require the approval of both the paediatric medicine course coordinator and the coordinator of the units of study.

Students are encouraged to undertake PMED5050 Research Methods or equivalent in order to be best equipped to undertake evidence based learning activities in the paediatric units of study.

Course	Credit points for award	Duration full-time	Duration part-time
GradCertMed (Paediatric Medicine)	24	0.5 to 1 year	1 to 2 years
GradDipMed (Paediatric Medicine)	36	1 to 2 years	1.5 to 3 years
MMed (Paediatric Medicine)	48	1 to 2 years	2 to 4 years

The graduate certificate comprises four units of study at least two of which must be paediatric units (see tables on paediatric and elective units of study below and chapter 31 for unit of study details).

The graduate diploma comprises six units of study at least three of which must be paediatric units (see tables on paediatric and elective units of study below and chapter 31 for unit of study details).

The master's degree comprises eight units of study at least four of which must be paediatric units (see tables on paediatric and elective units of study below and chapter 31 for unit of study details).



Paediatric medicine units of study

<i>Unit of study</i>	<i>Credit points</i>	<i>A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition</i>	<i>Session</i>
PAED5000 Neonatal Medicine	6		Semester 1
PMED5100 Paediatric Infectious Diseases	6		Semester 1
PMED5101 Paediatric Asthma and Allergy	6		Semester 2
PMED5102 Paediatric Nutrition and Obesity	6		Semester 2
PMED5103 Paediatric Gastroenterology	6		Semester 1
Students in the graduate certificate choose at least two units of study from this list.			
Students in the graduate diploma choose at least three units of study from this list.			
Students in the master's degree choose at least four units of study from this list.			

Paediatric medicine elective units of study

<i>Unit of study</i>	<i>Credit points</i>	<i>A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition</i>	<i>Session</i>
CEPI5200 Quality and Safety in Health Care	6	A clinical experience strongly recommended	Semester 1
MDED5001 Teaching and Learning in Medicine	6		Semester 1 Semester 2
MDED5002 Scholarship of Teaching in Medicine	6		Semester 2
MDED5003 Educational Development and Evaluation	6		Semester 2
MDED5004 Independent Studies A	6	P MDED5001 and MDED5002 and MDED5011 Note: Department permission required for enrolment Students negotiate with an Office of Postgraduate Medical Education staff member to be their supervisor on an agreed project. The supervisor emails the Postgraduate Student Administration Unit permission for the student to enrol.	Semester 1 Semester 2
MDED5005 Independent Studies B	6	P MDED5001 and MDED5002 and MDED5011 Note: Department permission required for enrolment Students negotiate with an Office of Postgraduate Medical Education staff member to be their supervisor on an agreed project. The supervisor emails the Postgraduate Student Administration Unit permission for the student to enrol.	Semester 1 Semester 2
MDED5006 Facilitating Clinical Learning	6		Semester 1
MDED5007 PBL in Medical Education	6		Semester 2
MDED5008 Assessment in Medical Education	6		Semester 1
MDED5009 Promoting Interprofessional Learning	6	Note: Department permission required for enrolment Students request permission from the unit of study coordinator to enrol in this unit. The coordinator emails the Postgraduate Student Administration Unit advice that the student has permission to enrol.	Semester 2
MDED5010 Developing Clinical Reasoning	6		Semester 1
MDED5011 Research Methods in Medical Education	6	C MDED5002	Semester 2
PAIN5001 Introduction to Pain Management	6		Semester 1 Semester 2
PAIN5002 Pain Mechanisms and Contributors	6		Semester 1 Semester 2
PAIN5003 Pain Treatment and Management Principles	6		Semester 1 Semester 2
PAIN5004 Pain Conditions	6		Semester 1 Semester 2
PAIN5005 Orofacial Pain	6		Semester 2
PAIN5006 Independent Studies in Pain	6		Semester 1 Semester 2
PAIN5010 Clinical Aspects of Neurobiology	6		Semester 1
PAIN5011 Psychology of Pain	6		Semester 1

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
PAIN5012 Concepts of Pain	6		Semester 1
PAIN5013 Musculoskeletal Pain	6		Semester 1
PAIN5014 Cancer Pain	6		Semester 2
PAIN5015 Pharmacology of Pain Medicine	6		Semester 1
PAIN5016 Psychological Approaches in Pain Mgmt	6		Semester 2
PAIN5017 Disability and Pain Rehabilitation	6		Semester 2
PAIN5018 Pain in Children	6		Semester 2
PAIN5019 Pain in Older People	6		Semester 2
PAIN5020 Complementary Therapies: Pain Management	6		Semester 1
PMED5050 Research Methods	6		Semester 1
PMED5051 Leadership in Medicine	6		Semester 2
PUBH5117 Communicable Disease Control	6		Semester 2
Students in the graduate certificate choose sufficient units of study from this list to make 24 credit points overall.			
Students in the graduate diploma choose sufficient units of study from this list to make 36 credit points overall.			
Students in the master's degree choose sufficient units of study from this list to make 48 credit points overall.			

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22. Pain management

Graduate Certificate in Pain Management
(GradCertPainMgt) KG008

Graduate Diploma in Medicine (Pain Management)
(GradDipMed(PainMgt)) KF044

Graduate Diploma of Science in Medicine (Pain Management)
(GradDipScMed(PainMgt)) KF045

Master of Medicine (Pain Management)
(MMed(PainMgt)) KC057

Master of Science in Medicine (Pain Management)
(MScMed(PainMgt)) KC058

Overview

The Pain Management program explores the problem of pain within a multidisciplinary team framework to investigate the extent of the problem in the community. The courses aim to provide advanced education in pain management by providing clinically relevant teaching that helps students expand their knowledge of the basic sciences, concepts and procedures of pain assessment and management.

The Master of Medicine (Pain Management) and the Master of Science in Medicine (Pain Management) are essentially the same program with different admission requirements, and the same applies to the Graduate Diploma in Medicine (Pain Management) and the Graduate Diploma of Science in Medicine (Pain Management).

Only medical graduates (ie those with an MBBS) may be admitted to the Master of Medicine/Graduate Diploma in Medicine while non-medical graduates may be admitted to the Master of Science in Medicine/Graduate Diploma of Science in Medicine. Students follow the same program of study, with the only difference being the title of the course they are awarded on completion.

The master's degrees may be awarded at either a pass or honours grade. Honours is only available to students who meet the criteria detailed below, which include enrolling in a further 12 credit points of dissertation units of study for which they undertake supervised research, which is written up in a dissertation for examination.

Master's degree students who choose not to undertake the honours component but complete their coursework units of study with a minimum average mark of 75 per cent will be awarded pass with merit.

Admission

Graduate Certificate in Pain Management

Admission normally requires either a Bachelor of Medicine/Bachelor of Surgery (MBBS) or a bachelor's degree in a health-related discipline with first or second class honours from the University of Sydney or another approved institution. If candidates do not have an honours degree, they may be admitted on the basis of having equivalent professional experience.

Graduate Diploma of Science in Medicine (Pain Management) and Master of Science in Medicine (Pain Management)

Admission normally requires a bachelor's degree in a health-related discipline with first or second class honours from the University of Sydney or another approved institution. If candidates do not have an honours degree, they may be admitted on the basis of having equivalent professional experience.

Graduate Diploma in Medicine (Pain Management) and Master of Medicine (Pain Management)

Admission normally requires a Bachelor of Medicine/Bachelor of Surgery (MBBS) from the University of Sydney or another approved institution.

Structure

The graduate certificate and graduate diplomas are embedded in the master's degrees (see chapter 8 for an explanation of embedded degrees).

The program is offered in distance education mode. Enrolled students are provided with a username and password that allows them to access a protected course website. The website provides study guides with lecture notes and links to journal articles.

Interactive multimedia tutorials are also provided on CD-ROM. Computer conferencing allows students and staff to maintain regular contact. Some units provide additional support material on the website. Assessment is by essays, case studies and online activities. Marks are also given for the contribution students make to online discussion.

Students may also attend an optional two week course held in February each year at the Royal North Shore Hospital in Sydney.

Course	Credit points for award	Duration full-time *	Duration part-time
GradCertMed(PainMgt)	24	0.5 to 2 years	1 to 3 years
GradDipMed(PainMgt)	36	1 to 2 years	1 to 3 years
GradDipScMed(PainMgt)	36	1 to 2 years	1 to 3 years
MMed(PainMgt)	48	1 to 3 years	2 to 6 years
MScMed(PainMgt)	48	1 to 3 years	2 to 6 years
MMed(PainMgt)(Hons)	60	1 to 3 years	2 to 6 years
MScMed(PainMgt)(Hons)	60	1 to 3 years	2 to 6 years

* Students wishing to undertake full-time study should contact the course coordinator.

The graduate certificate comprises four core units of study (see table on core units of study below and chapter 31 for unit of study details).

The graduate diploma comprises four core units of study and a further two elective units of study chosen from the list of electives (see unit of study tables below and chapter 31 for unit of study details).

The master's degree comprises four core units of study and a further four elective units of study chosen from the list of electives (see unit of study tables below and chapter 31 for unit of study details).

To qualify for the master's degree with honours, students must obtain a weighted average mark of 70 per cent in all 48 credit points of coursework and successfully complete an additional 12 credit point research dissertation (ie 60 credit points of units of study in total), in which students undertake a supervised individual project in an area of interest and report the outcomes in a dissertation.

Students are only able to enrol in the dissertation if they have achieved a weighted average mark of 70 per cent in their first 24 credit points of coursework and have the permission of the course coordinator.



Pain management core units of study

<i>Unit of study</i>	<i>Credit points</i>	<i>A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition</i>	<i>Session</i>
PAIN5001 Introduction to Pain Management	6		Semester 1 Semester 2
PAIN5002 Pain Mechanisms and Contributors	6		Semester 1 Semester 2
PAIN5003 Pain Treatment and Management Principles	6		Semester 1 Semester 2
PAIN5004 Pain Conditions	6		Semester 1 Semester 2

Pain management elective units of study

<i>Unit of study</i>	<i>Credit points</i>	<i>A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition</i>	<i>Session</i>
PAIN5005 Orofacial Pain	6		Semester 2
PAIN5006 Independent Studies in Pain	6		Semester 1 Semester 2
PAIN5010 Clinical Aspects of Neurobiology	6		Semester 1
PAIN5011 Psychology of Pain	6		Semester 1
PAIN5012 Concepts of Pain	6		Semester 1
PAIN5013 Musculoskeletal Pain	6		Semester 1
PAIN5014 Cancer Pain	6		Semester 2
PAIN5015 Pharmacology of Pain Medicine	6		Semester 1
PAIN5016 Psychological Approaches in Pain Mgmt	6		Semester 2
PAIN5017 Disability and Pain Rehabilitation	6		Semester 2
PAIN5018 Pain in Children	6		Semester 2
PAIN5019 Pain in Older People	6		Semester 2
PAIN5020 Complementary Therapies: Pain Management	6		Semester 1
Students in the graduate diploma choose two units of study from this list.			
Students in the master's degrees choose four units of study from this list.			
Students are advised to consult the course coordinator before finalising their electives.			

Pain management dissertation units of study

<i>Unit of study</i>	<i>Credit points</i>	<i>A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition</i>	<i>Session</i>
PAIN5007 Dissertation A	6	P A candidate must have obtained a minimum weighted average mark of 70% in at least 24 credit points of coursework and obtained approval from the course-coordinator to enrol in this unit of study. Enrolment must be done through the Faculty or School office. <i>Note: Department permission required for enrolment</i>	S2 Late Int Semester 1 Semester 2
PAIN5008 Dissertation B	6	P A candidate must have obtained a minimum weighted average mark of 70% in at least 24 credit points of coursework and obtained approval from the course-coordinator to enrol in this unit of study. Enrolment must be done through the Faculty or School office. <i>Note: Department permission required for enrolment</i>	S2 Late Int Semester 1 Semester 2
PAIN5009 Dissertation C	12	P A candidate must have obtained a minimum weighted average mark of 70% in at least 24 credit points of coursework and obtained approval from the course-coordinator to enrol in this unit of study. Enrolment must be done through the Faculty or School office. <i>Note: Department permission required for enrolment</i>	S2 Late Int Semester 1 Semester 1a Semester 1b Semester 2 Semester 2a Semester 2b
Dissertation units of study are only taken if undertaking the honours stream, which is not available to all students. See the course coordinator for further information. Students must enrol in 12 credit points of dissertation in addition to the 48 credit points required for the standard master's degree. These should be done either in one semester with Dissertation C or split over two semesters with both Dissertation A and Dissertation B. A student must be enrolled in order to submit the dissertation. If a student is not able to submit his/her dissertation after enrolling in 12 credit points of dissertation units of study, he/she must re-enrol in a minimum of six credit points of dissertation units of study, with the concomitant financial liability, every semester until he/she submits.			

Further enquiries

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23. Psychotherapy

Master of Medicine (Psychotherapy)

(MMed(Psychotherapy)) KC012

Master of Science in Medicine (Psychotherapy)

(MScMed(Psychotherapy)) KC045

Overview

Psychotherapy covers a range of techniques employed to improve an individual's mental health. Mental illness is more common than many people think – an estimated 800,000 Australians are affected by depression each year. Often mental illnesses are unrecognised and remain untreated.

The aim of this program is to train clinicians to deal effectively with people with psychological disorders that are not helped by more traditional psychotherapies. These include personality disorders, generalised anxiety disorder, dysthymia and chronic depression.

The therapeutic approach taught by this program is based on the Conversational Model (Hobson, 1985; Meares, 2000, 2005), but also incorporates concepts from other schools, including Self Psychology, Intersubjectivity Theory, Trauma Theory and Memory Systems Theory. These ideas are centred around concepts of the self, notions of boundary formation, the empathic mode of listening, a focus on subjective experience, and unconscious traumatic memory systems.

Admission

Master of Medicine (Psychotherapy)

Admission normally requires a Bachelor of Medicine/Bachelor of Surgery (MBBS) from the University of Sydney or another approved institution.

Master of Science in Medicine (Psychotherapy)

Admission normally requires a bachelor's degree in a health discipline with first or second class honours from the University of Sydney or another approved institution. If candidates do not have an honours degree, they may be admitted on the basis of having completed equivalent work.

For both degrees candidates need to have experience in a clinical area related to mental health, and be registered to practice in NSW and have the relevant professional indemnity insurance.

Structure

To qualify for the degree, candidates must complete 72 credit points comprising coursework, supervised clinical work and a research treatise. The program is taken part-time, normally over three years.

The program has six strands.

Grand rounds:

Designed to encourage open and free discussion and to help in the formulation of new and emerging ideas, with participation by the faculty and candidates alike. These will be of one hour duration and will be attended by all the candidates and all the supervisors. An area of interest or controversy in the current psychotherapeutic field will be presented by a supervisor, candidate or invited guest, followed by discussion.

Seminars:

These will be approximately one and a half hours duration and will be held every week of the academic year. One member of the faculty will lead the seminar group for a whole semester.

Practical work:

Candidates will be expected to undertake psychotherapy with assigned patients during the three years of the course. They will be expected to begin with their first assigned patient early in their first year and to begin with their second patient early in their second year. By the middle of the second year all candidates will be seeing two patients, each for at least two sessions per week.

The course requirement is that one patient be seen for a minimum of 100 sessions and a second patient be seen for a minimum of 200 sessions prior to the completion of the course.

Clinical supervision:

The clinical supervision will be conducted weekly for the whole of the academic year. All candidates will be expected to present sessions for weekly supervision. In addition, candidates may be required to present, from time to time, sessions in the form of process notes or by means of video tape.

During the first year supervision will be conducted either individually or in small groups of two candidates for one and a half hours per week. During the second and third years, there will be weekly group supervision as well as individual supervision each week with a second supervisor.

Reading:

Candidates will be given some reading material and a reading list at the beginning of the year and may be asked to prepare a seminar periodically.

Assessment:

Assessment is an ongoing process during the whole year with a clinical viva and an essay paper at the end of the year. A course book will be issued at the beginning of the course in order to provide a permanent record of the candidate's progress in meeting the course requirements. At the end of each semester a candidate will be required to have their supervisors record what progress has been made during that semester in both the theoretical and clinical strands.

At the end of the first year there will be a clinical viva in which they will be expected to present an example of their psychotherapy sessions on audiotape to the examiners. This assessment will focus on clinical and theoretical issues. In addition candidates will be expected to write an essay of 2–3000 words, either from a list of selected topics or a subject of their own psychotherapeutic interest.

Assessment in the second year will be ongoing and conclude at the end of the year with an essay paper and a clinical viva as in Year 1.

There will be a two-part assessment at the end of the third year subject to satisfactory progress in clinical work. The first part is a clinical presentation to the members of the faculty which may be based on the material of the treatise. The second part requires completion of a research or theoretical treatise of 7–10,000 words.

Course	Credit points for award	Duration part-time
MMed(Psychotherapy)	72	3 to 6 years
MScMed(Psychotherapy)	72	3 to 6 years

The master's degree comprises seven core units of study (see table on core units of study below and chapter 31 for unit of study details).



Psychotherapy core units of study

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
PSTY5101 Psychotherapy 1A	12		Semester 1
PSTY5102 Psychotherapy 1B	12		Semester 2
PSTY5103 Psychotherapy 2A	12		Semester 1
PSTY5104 Psychotherapy 2B	12		Semester 2
PSTY5105 Psychotherapy 3A	12		Semester 1
PSTY5107 Psychotherapy Coursework	6	P PSTY5105 C PSTY5108 N PSTY5106 <i>Theoretical grounding in the Conversational Model and related approaches to psychodynamic psychotherapy.</i>	Semester 2
PSTY5108 Psychotherapy Treatise	6	P PSTY5105 C PSTY5107	Semester 2
A student must be enrolled in order to submit the treatise. If a student is not able to submit his/her treatise by the end of his/her 6th semester, he/she must re-enrol in PSTY5108 Psychotherapy Treatise, with the concomitant financial liability, every semester until he/she submits.			

Further enquiries

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24. Public health

Graduate Diploma in Public Health
(GradDipPH) KF000

Master of Public Health
(MPH) KC052

Overview

The Public Health program focuses on the prevention of illness and the promotion of health, with practitioners playing a proactive rather than a reactive role, especially with regard to the coordination of relevant community resources. These courses provide the opportunity to develop skills and acquire knowledge essential for the effective practice of public health, including the effective management of community health problems.

The master's degree may be awarded at either a pass or honours grade. Honours is only available to students who meet the criteria detailed below, which include enrolling in a further 12 credit points of dissertation units of study for which they undertake supervised research which is written up in a dissertation for examination.

Master's degree students who choose not to undertake the honours component but complete their coursework units of study with a minimum average mark of 75 percent will be awarded pass with merit.

Admission

Admission normally requires a minimum of a four-year full-time degree (or its part-time equivalent) from the University of Sydney or a recognised institution. If candidates do not have a recognised four-year full-time equivalent degree, then a shorter degree may be acceptable as long as they also have non-degree professional qualifications and/or substantial relevant experience and/or other relevant qualifications.

Structure

The graduate diploma is embedded in the master's degree (see the explanation of embedded degrees in chapter 8). Students who commence the graduate diploma may be able to upgrade to the master's degree on completion of 24 credit points of coursework or at the discretion of the coordinator of the Public Health program.

The program comprises 24 credit points of public health core (compulsory) coursework providing basic public health knowledge and skills. The remainder of the credit points necessary for the qualification is made up of elective units of study allowing students to select units of study appropriate to their career interests.

All core units of study are scheduled in Semester 1 and most electives are in Semester 2 of each year.

In general, full-time students attend classes during the day in Semester 1, while classes for part-time students are usually scheduled on two evenings per week. In Semester 2 attendance times depend on the elective units of study selected. Most units of study are available in distance mode – please consult the School of Public Health website for more information. Assessment methods vary from unit to unit and include assignments, class exercises and, for some core units of study, examinations.

Course	Credit points for award	Duration full-time	Duration part-time
GradDipPH	36	1 to 2 years	2 to 3 years
MPH	48	1 to 3 years	2 to 4 years
MPH(Hons)	60	1 to 3 years	2 to 4 years

The graduate diploma comprises four core units of study (24 credit points) and a further 12 credit points of elective units of study chosen from the lists of electives. At least 28 credit points of core and elective units of study must be chosen from the PUBH core and electives list. A maximum of eight credit points of elective units of study may be chosen from the non-PUBH electives list (see unit of study tables below and chapter 31 for unit of study details). Other combinations are only possible with the written approval of the course coordinator.

The master's degree comprises four core units of study (24 credit points) and a further 24 credit points of elective units of study chosen from the lists of electives. At least 36 credit points of core and elective units of study must be chosen from the PUBH core and electives list. A maximum of 12 credit points of elective units of study may be chosen from the non-PUBH electives list (see unit of study tables below and chapter 31 for unit of study details). Other combinations are only possible with the written approval of the course coordinator.

To qualify for the master's degree with honours, students must obtain a weighted average mark of 70 per cent in all 48 credit points of coursework and successfully complete an additional 12 credit point research dissertation (ie 60 credit points of units of study in total), in which students undertake a supervised individual project in an area of interest and report the outcomes in a dissertation. Students are only able to enrol in the dissertation if they have achieved a weighted average mark of 70 percent in their first 24 credit points of coursework and have the permission of the course coordinator.

Public health core units of study

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
PUBH5010 Epidemiology Methods and Uses	6	N BSTA5011	Semester 1
PUBH5015 Public Health Principles and Practice	6		Semester 1
PUBH5016 Society, Behaviour and Public Health	6		Semester 1
PUBH5018 Introductory Biostatistics	6		Semester 1
Part-time students generally take 12 credit points of core units of study in each of their 1st and 3rd semesters.			



Public health additional core unit of study

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
Public health additional core unit of study			
PUBH5014 Social Research Methods	2	N PUBH5016 <i>Note: Department permission required for enrolment This unit is only for those who commenced the Master or Graduate Diploma in Public Health prior to 2005 and have not completed PUBH5016. Students must request permission from the unit of study coordinator to enrol in this unit of study. The coordinator emails the Postgraduate Student Administration Unit advice that the student has permission to enrol.</i>	S1 Intensive
Students who commenced a graduate diploma or master's degree before 2005, and completed some core units, may need to select this unit of study in order to undertake the required credit points of core units of study. Please discuss this with the course coordinator.			

Public health PUBH elective units of study

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
PUBH5017 Public Health Program Evaluation	6	P PUBH5010 and PUBH5018 and PUBH5015 and PUBH5016	Semester 2
PUBH5019 Cancer Prevention and Control	6	P PUBH5010	Semester 2
PUBH5020 Chronic Disease Prevention and Control	6	P PUBH5010	Semester 2
PUBH5021 Global Obesity and Disease Prevention	6		Semester 2
PUBH5022 Physical Activity and Public Health	6	A Prior research methods coursework at a master's level, similar to PUBH5010 Epidemiology Methods and Uses at the University of Sydney.	Semester 2
PUBH5101 Special Project in Public Health	4	<i>Note: Department permission required for enrolment Students negotiate with a public health staff member to be their supervisor on an agreed project. The supervisor informs the Unit co-ordinator, who emails the Postgraduate Student Administration Unit permission for the student to enrol.</i>	Semester 1 Semester 2
PUBH5102 Special Project in Public Health	2	<i>Note: Department permission required for enrolment Students negotiate with a public health staff member to be their supervisor on an agreed project. The supervisor informs the Unit co-ordinator, who emails the Postgraduate Student Administration Unit permission for the student to enrol.</i>	Semester 1 Semester 2
PUBH5110 Introduction to Public Health Nutrition	4		Semester 2
PUBH5111 Environmental Health	4		Semester 2
PUBH5113 International Health	4		Semester 2
PUBH5114 Alcohol, Drug Use and Health	4	N PUBH5115 <i>Note: Department permission required for enrolment Students request permission from the unit of study coordinator to enrol in this unit. The coordinator emails the Postgraduate Student Administration Unit advice that the student has permission to enrol.</i>	Semester 2
PUBH5115 Alcohol, Drug Use and Health	2	N PUBH5114 <i>Note: Department permission required for enrolment Students request permission from the unit of study coordinator to enrol in this unit. The coordinator emails the Postgraduate Student Administration Unit advice that the student has permission to enrol.</i>	Semester 2a
PUBH5116 Genetics and Public Health	4		S2 Late Int
PUBH5117 Communicable Disease Control	6	P PUBH5010	Semester 2
PUBH5118 Aboriginal Health Promotion	4		Semester 2b
PUBH5205 Decision Analysis	2	P PUBH5018 and PUBH5010 <i>Recommended: PUBH5302 Health Economic Evaluation</i>	Semester 2b
PUBH5206 Controlled Trials	2		S2 Intensive
PUBH5208 Screening and Diagnostic Test Evaluation	2	P PUBH5010	Semester 2a
PUBH5211 Multiple Regression and Stats Computing	4	P PUBH5018	Semester 2
PUBH5212 Categorical Data Analysis	2	P PUBH5018 C PUBH5211	Semester 2b
PUBH5213 Survival Analysis	2	C PUBH5211	Semester 2b
PUBH5215 Introductory Analysis of Linked Data	6	P PUBH5018 and (PUBH5010 or BSTA5011) and (PUBH5211 or BSTA5004)	S2 Late Int
PUBH5221 Qualitative Research Methods	2	P PUBH5016 or MIPH5132 or PUBH5014	S2 Intensive

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
PUBH5224 Advanced Epidemiology	6	P PUBH5010 <i>Students are recommended to have achieved at least a Credit standard in PUBH5010 Epidemiology Methods and Uses or equivalent unit of study.</i>	Semester 2
PUBH5302 Health Economic Evaluation	4	P PUBH5010 and PUBH5018	S2 Intensive
PUBH5307 Advanced Health Economic Evaluation	2	P PUBH5018 and PUBH5010 C PUBH5205 and (PUBH5302 or CEPI5303)	S2 Late Int
PUBH5308 Health Workforce Policy Analysis	2		S2 Late Int
PUBH5414 Public Health Advocacy	2		S2 Intensive
PUBH5415 Injury Prevention	2		S2 Intensive
PUBH5416 Vaccines in Public Health	2	<i>Note: Department permission required for enrolment Students may be required to request permission from the unit of study coordinator to enroll in this unit of study. In this situation, the coordinator emails the Postgraduate Student Administration Unit advice that the student has permission to enrol</i>	S2 Intensive
PUBH5417 Injury Epidemiology Prevention & Control	4		Semester 2
PUBH5418 Tobacco Control in the 21st Century	6		Semester 2
PUBH5419 Falls Prevention in Older People	4		Semester 2
PUBH5500 Introducing Qualitative Health Research	6		S1 Intensive
Graduate diploma students must choose their units of study so that at least 28 credit points (i.e. core units of study plus elective units of study) are taken from this list.			
Master's students must choose their electives so that at least a total of 36 credit points (i.e. core units of study plus elective units of study) are taken from this list.			
Part-time students commencing in March may take these units of study in either their 2nd or 4th semester, but if they have not completed all core units of study, they must ensure that they fulfill the essential pre- and corequisites and that there are no timetable clashes. Students commencing in July should discuss their choices with the course coordinator first.			

Public health non-PUBH elective units of study

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
BETH5203 Ethics and Public Health	6	A A three-year undergraduate degree in science, medicine, nursing, allied health sciences, philosophy/ethics, sociology/anthropology, history, or other relevant field, or by special permission. <i>A limited number of students may be granted permission to take this unit during their honours year.</i>	Semester 2
DENT5013 Preventative Dentistry	6	P (PUBH5010 and PUBH5018) or DENT6000	Semester 2
DENT5014 Dental Health Services	6		Semester 2
DENT5015 Population Oral Health	6	P (PUBH5015 and PUBH5016) or (MIPH5131 and MIPH5132)	Semester 2
HPOL5000 Introduction to Health Policy	6		Semester 1
HPOL5001 Economics and Finance for Health Policy	6		Semester 1
HPOL5003 Analysing Health Policy	6		Semester 2
HPOL5007 Global Health Policy	6		Semester 2
LAWS6252 Legal Reasoning & the Common Law System	6	N LAWS6881 <i>International candidates must enrol in the Week 1 intensive session of their first semester of study.</i>	S1 Intensive S1 Late IntB S2 Late IntA
LAWS6839 Critical Issues in Public Health Law	6	<i>Compulsory for GradDipPubHL candidates. MHL candidates may select this unit as one of the three compulsory units required in addition to LAWS6252 or LAWS6881.</i>	S2 Intensive
LAWS6848 New Directions in Public Health Law	6	<i>compulsory for GradDipPubHL candidates</i>	S1 Intensive
MIPH5004 Praxis in International Public Health I	2	<i>Note: Department permission required for enrolment Students discuss with an international public health staff member to be their supervisor on an agreed project. The supervisor emails the Postgraduate Student Administration Unit permission for the student to enrol.</i>	Semester 1 Semester 2
MIPH5005 Praxis in International Public Health II	4	<i>Note: Department permission required for enrolment Students discuss with an international public health member to be their supervisor on an agreed project. The supervisor emails the Postgraduate Student Administration Unit permission for the student to enrol.</i>	Semester 1 Semester 2

24. Public health

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
MIPH5008 Travel and Tropical Medicine	2		S2 Late Int
MIPH5014 International Health Promotion	4		Semester 2
MIPH5112 Disease Control in Developing Countries	4		Semester 2
MIPH5115 Women's and Children's Health	4		Semester 2
MIPH5116 Health and Culture	4		Semester 2
MIPH5117 Diseases of Modernisation	2		Semester 2a
MIPH5118 Global Perspectives of HIV/AIDS	4		Semester 2
MIPH5122 International Environmental Health	2		Semester 2
MIPH5124 Health Issues & Humanitarian Emergencies	4		S2 Late Int
MIPH5127 Mental Disorders in Global Context	2		S2 Late Int
MIPH5135 Health Systems in Developing Countries	4		Semester 2
MIPH5136 Nutrition in International Settings	4		S2 Intensive
MIPH5218 Economics and Global Pharmaceuticals	2		S2 Intensive
MIPH5219 International Health Project Management	6		Semester 2
PSYC5011 Applying Models of Health Behaviour	6		Semester 2
SEXH5100 Social & Policy Aspects of Sexual Health	4		Semester 2
SEXH5101 Public Health Aspects of STDs	2		Semester 2b
SEXH5102 Public Health Aspects of HIV/AIDS	2		Semester 2a
SEXH5204 Adolescent Sexual Health	4	N SEXH5205 <i>Students are advised to select EITHER SEXH5204 (4 credit points) OR SEXH5205 (6 credit points). Students completing SEXH5204 will NOT be able to undertake SEXH5205. Students are advised to consult with the Unit Coordinator if they need assistance with this selection.</i>	Semester 2
SEXH5205 Advanced Adolescent Sexual Health	6	N SEXH5204 <i>Students are advised to select EITHER SEXH5204 (4 credit points) OR SEXH5205 (6 credit points). Students completing SEXH5204 will NOT be able to undertake SEXH5205. Students are advised to consult with the Unit Coordinator if they need assistance with this selection.</i>	Semester 2
Graduate diploma students can choose up to eight credit points in total (i.e. core units of study plus elective units of study) from non-PUBH units of study including electives from UNSW.			
Master's degree students can choose up to 12 credit points (i.e. core units of study plus elective units of study) from non- PUBH units of study including electives from UNSW.			
For information on UNSW elective units of study, please go to the following UNSW website http://www.sphcm.med.unsw.edu.au/ .			
Students must complete LAWS6252 before undertaking LAWS6839.			
Enrolling in one of the electives in this list or offered by UNSW may involve a different fee from PUBH units of study. Consult the School of Public Health for details.			

Public health dissertation units of study

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
PUBH5906 Dissertation A	6	P A candidate must have obtained a minimum weighted average mark of 70% in at least 24 credit points of coursework and obtained approval from the course-coordinator to enrol in this unit of study. Enrolment must be done through the Faculty or School office. <i>Note: Department permission required for enrolment</i>	S2 Late Int Semester 1 Semester 2
PUBH5908 Dissertation C	12	P A candidate must have obtained a minimum weighted average mark of 70% in at least 24 credit points of coursework and obtained approval from the course-coordinator to enrol in this unit of study. Enrolment must be done through the Faculty or School office. <i>Note: Department permission required for enrolment</i>	S2 Late Int Semester 1 Semester 1a Semester 2 Semester 2a Semester 2b
PUBH5907 Dissertation B	6	P A candidate must have obtained a minimum weighted average mark of 70% in at least 24 credit points of coursework and obtained approval from the course-coordinator to enrol in this unit of study. Enrolment must be done through the Faculty or School office. <i>Note: Department permission required for enrolment</i>	S2 Late Int Semester 1 Semester 2
<p>Dissertation units of study are only taken if undertaking the honours stream, which is not available to all students. See the course coordinator for further information. Students must enrol in 12 credit points of dissertation in addition to the 48 credit points required for the standard master's degree. These should be done either in one semester with Dissertation C or split over two semesters with both Dissertation A and Dissertation B. A student must be enrolled in order to submit the dissertation. If a student is not able to submit his/her thesis after enrolling in 12 credit points of dissertation units of study, he/she must re-enrol in a minimum of six credit points of dissertation units of study, with the concomitant financial liability, every semester until he/she submits.</p>			

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25. Refractive surgery

Graduate Diploma in Medicine (Refractive Surgery)
(GradDipMed(RefractSurg)) KF055

Master of Medicine (Refractive Surgery)
(MMed(RefractSurg)) KC075

Overview

Refractive surgery is an ever-expanding area within the field of ophthalmology, encompassing both laser and non-laser vision correction. This has traditionally been performed by surgeons in large private clinics, but in recent years has become accepted as part of mainstream ophthalmic care. Laser eye surgery is now the most frequently performed eye operation in Australia.

The Refractive Surgery program aims to equip students with knowledge of refractive surgery theory and practice, using distance learning complemented by a three-week placement in an accredited refractive surgical centre, including time spent in the wet lab at Sydney Eye Hospital. The program is offered jointly by the University of Sydney and the University of Otago, and is the first of its kind in any country. The lecturers include internationally recognised corneal and refractive surgeons.

Admission

Applicants must hold an MBBS from the University of Sydney or equivalent degrees, and either must be eligible to undertake a subspecialty fellowship in their final year of accredited training having completed all the requirements of the Royal Australian and New Zealand College of Ophthalmologists or equivalent body, or must be registered by their state, territory or country to practice ophthalmology. Applicants must have appropriate medical indemnity.

Structure

The graduate diploma is embedded in the master's degree (see the explanation of embedded degrees in chapter 8). The majority of the degree is in the form of distance learning.

Each of the following core units of study (Ophthalmic Anatomy, Ophthalmic Optics, Refractive Surgery 1, Refractive Surgery 2 requires one semester of study to complete and is taught online. The method of assessment is based on assignments (3x2000 word assignments set every three weeks: 80%), problem-based learning modules and online participation (20%).

The Practical Refractive Surgery unit of study is offered twice a year. Students are required to attend a 3-week full-time course (3x5 days) held at accredited private refractive surgery centres. Assessment will be based on an online surgical logbook (40%) and an observed structured clinical exam (60%).

Course	Credit points for award	Duration full-time	Duration part-time
GradDipMed(RefractSurg)	36	1 to 2 years	1 to 3 years
MMed(RefractSurg)	48	1 to 3 years	2 to 6 years
MMed(RefractSurg)(Hons)	60	1 to 3 years	2 to 6 years

The graduate diploma comprises five core units of study (see table on core units of study below and chapter 31 for unit of study details). The master's degree comprises seven core units of study (see table on core units of study below and chapter 31 for unit of study details).

To qualify for the master's degree with honours, students must obtain a weighted average mark of 70 per cent in all 48 credit points of coursework and successfully complete an additional 12 credit point research dissertation (ie 60 credit points of units of study in total), in which students undertake a supervised individual project in an area of interest and report the outcomes in a dissertation. Students are only able to enrol in the dissertation if they have achieved a weighted average mark of 70 percent in their first 24 credit points of coursework and have the permission of the course coordinator.

Refractive surgery core units of study

Unit of study	Credit points	A: Assumed knowledge	P: Prerequisites	C: Corequisites	N: Prohibition	Session
<i>Core units of study for the graduate diploma and master's degree</i>						
OPSC5001 Ophthalmic Anatomy	9	A Undergraduate knowledge of basic human anatomy				Semester 1 Semester 2
OPSC5003 Ophthalmic Optics	9	A Undergraduate knowledge of physics relating to light and optics				Semester 2
OPSC5018 Refractive Surgery 1	6		C OPSC5001 Ophthalmic Anatomy			Semester 1 Semester 2
OPSC5019 Refractive Surgery 2	6		P OPSC5018 C OPSC5001			Semester 1 Semester 2
OPSC5020 Practical Refractive Surgery	6		P OPSC5018 and OPSC5019 C OPSC5001			Semester 1 Semester 2
<i>Core unit of study for the master's degrees</i>						
OPSC5021 Refractive Surgery 3	6		C OPSC5001 and OPSC5019			Semester 1 Semester 2
OPSC5022 Refractive Surgery 4	6		C OPSC5001 and OPSC5019			Semester 1 Semester 2

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26. Reproductive health sciences and human genetics

Master of Medicine (Reproductive Health Sciences and Human Genetics)

(MM(RH&HG)) KC017

Master of Science in Medicine (Reproductive Health Sciences and Human Genetics)

(MScMed(RH&HG)) KC018

Overview

Please note: the Reproductive Health Sciences and Human Genetics program is currently under review and the structure is highly likely to change for 2009. Please look on the Handbooks website, <http://www.usyd.edu.au/handbooks/>, for an official addendum.

The main aims of the program are to:

- provide up-to-date knowledge of the clinical and laboratory science and technological developments in reproduction and human genetics
- to offer an insight into the social, ethical and public health aspects of these fields
- to give a firm basis for vocational training in these disciplines
- promote dialogue and understanding between those working in disparate areas within reproductive health and genetics.

The Master of Medicine (Reproductive Health Sciences and Human Genetics) and the Master of Science in Medicine (Reproductive Health Sciences and Human Genetics) are essentially the same program with different admission requirements.

Only medical graduates (ie those with an MBBS) may be admitted to the Master of Medicine while non-medical graduates may be admitted to the Master of Science in Medicine. Students follow the same program of study (with the exception, in some cases, of practical work), with the only difference being the title of the course they are awarded on completion.

Admission

Master of Medicine

Admission to the program normally requires a Bachelor of Medicine/Bachelor of Surgery (MBBS) from the University of Sydney or another approved institution.

Master of Science in Medicine

The program is open to graduates in biological or health sciences from an approved tertiary institution. Graduates from other disciplines with special interest in these fields should also apply.

Admission normally requires a bachelor's degree with first or second class honours from the University of Sydney or another approved institution. If candidates do not have an honours degree, they may be admitted on the basis of having completed equivalent work or passing a preliminary examination, as prescribed by the Faculty of Medicine.

Structure

To qualify for the degree, candidates must complete coursework and clinical or laboratory assignments equivalent to 48 credit points plus a research treatise worth 12 credit points. The coursework and clinical or laboratory assignments are undertaken over two years with full-time students completing the treatise during the same period. Part-time students undertake the treatise in the third year.

Students are required to attend lectures and tutorials and undertake field visits to laboratory and clinical areas. Lectures and tutorials are held on two evenings per week and some Saturdays.

Assessment is by written examination, oral presentations, written assignments, placement reports and research treatise.

Course	Credit points for award	Duration full-time	Duration part-time
MM(RH&HG)	60	1 to 3 years	2 to 6 years
MScMed(RH&HG)	60	1 to 3 years	2 to 6 years

The master's degree comprises 56 credit points of compulsory units of study including 12 credit points of treatise units of study, and four credit points of elective units of study chosen from the list of elective units of study (see tables on core and elective units of study below and chapter 31 for unit of study details).



Reproductive health sciences and human genetics core units of study

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
PUBH5010 Epidemiology Methods and Uses	6	N BSTA5011	Semester 1
PUBH5018 Introductory Biostatistics	6		Semester 1
RHHG5005 Reproductive Sciences and Medicine	4		Semester 2
RHHG5006 Reproductive, Maternal and Child Health	4		Semester 2
RHHG5007 Clinical Reproductive Medicine	4		Semester 1
RHHG5008 Counselling 1	2		Semester 1
RHHG5010 Reproductive Sciences	4		Semester 1
RHHG5013 Ethical, Social, Legal & Privacy Issues	4		Semester 2
RHHG5014 Fertility Control	2		Semester 2
RHHG5021 Reproduction and Cancer	2		Semester 2
RHHG5026 Introductory Medical Genetics	4	Only for students commencing in 2004 or later.	Semester 2
RHHG5028 Medical Genetics	2		Semester 1
RHHG5019 Treatise A	6		Semester 1 Semester 2
RHHG5020 Treatise B	6		Semester 1 Semester 2

A student must be enrolled in order to submit the treatise. If a student is not able to submit his/her treatise after enrolling in 12 credit points of treatise units of study, he/she must enrol in a minimum of six credit points of treatise units of study, with the concomitant financial liability, every semester until he/she submits.

Reproductive health sciences and human genetics elective units of study

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
RHHG5011 Clinical or Laboratory Attachments	2		Semester 2
RHHG5012 Counselling 2	2		Semester 2
RHHG5015 Lab Assessment of Reproductive Function	2		Semester 2
RHHG5016 Medical and Molecular Genetics	2		Semester 2

Students choose two units of study from this list.

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27. Sexually transmitted diseases and HIV

Graduate Diploma in Medicine (Sexually Transmitted Diseases/HIV)

(GradDipMed(STD/HIV)) KF028

Graduate Diploma of Science in Medicine (Sexually Transmitted Diseases/HIV)

(GradDipScMed(STD/HIV)) KF035

Master of Medicine (Sexually Transmitted Diseases/HIV)

(MMed(STD/HIV)) KC033

Master of Science in Medicine (Sexually Transmitted Diseases/HIV)

(MScMed(STD/HIV)) KC034

Overview

Sexually transmitted diseases (STDs) present major public health concerns in both developed and developing countries, with millions of adults and children becoming infected with Human Immunodeficiency Virus (HIV) and other STDs each year.

This program provides high levels of knowledge and skills related to the diagnosis, management and control of STDs, including HIV infection. An emphasis is placed on the importance of clinical, laboratory, public health and behavioural aspects of sexual health.

The Master of Medicine (Sexually Transmitted Diseases/HIV) and the Master of Science in Medicine (Sexually Transmitted Diseases/HIV) are essentially the same program with different admission requirements, and the same applies to the Graduate Diploma in Medicine (Sexually Transmitted Diseases/HIV) and the Graduate Diploma of Science in Medicine (Sexually Transmitted Diseases/HIV).

Only medical graduates (ie those with an MBBS) may be admitted to the Master of Medicine/Graduate Diploma in Medicine while non-medical graduates may be admitted to the Master of Science in Medicine/Graduate Diploma of Science in Medicine.

Students follow the same program of study (with the exception, in some cases, of practical work), with the only difference being the title of the course they are awarded on completion.

Admission

Graduate Diploma in Medicine (Sexually Transmitted Diseases/HIV) and Master of Medicine (Sexually Transmitted Diseases/HIV)

Admission to the program normally requires a Bachelor of Medicine/Bachelor of Surgery (MBBS) from the University of Sydney or another approved institution.

Graduate Diploma of Science in Medicine (Sexually Transmitted Diseases/HIV) and Master of Science in Medicine (Sexually Transmitted Diseases/HIV)

Admission to the program normally requires a bachelor's degree in a health discipline with first or second class honours from the University of Sydney, or another approved institution.

If candidates do not have an honours degree, they may be admitted on the basis of having completed equivalent work or passing a preliminary examination, as prescribed by the Faculty of Medicine.

Structure

The graduate diplomas are embedded in the master's degrees (see chapter 8 for an explanation of embedded degrees).

The clinical attachments undertaken by students in the Graduate Diploma in Medicine (Sexually Transmitted Diseases/HIV) and the Master of Medicine (Sexually Transmitted Diseases/HIV) give direct experience of patient care at sexual health and HIV services.

As part of the Graduate Diploma of Science in Medicine (Sexually Transmitted Diseases/HIV) and Master of Science in Medicine (Sexually Transmitted Diseases/HIV) students undertake a corresponding laboratory attachment.

While lectures take place at the University of Sydney Camperdown Campus and at Westmead Hospital, clinical and laboratory experience occurs at a variety of locations throughout Sydney. An increasing proportion of the course is being made available online.

Course	Credit points for award	Duration full-time	Duration part-time
GradDipMed(STD/HIV)	48	1 to 2 years	1 to 3 years
GradDipScMed(STD/HIV)	48	1 to 2 years	1 to 3 years
MMed(STD/HIV)	72	1 to 3 years	2 to 6 years
MScMed(STD/HIV)	72	1 to 3 years	2 to 6 years

The graduate diploma comprises nine core units of study and a further four credit points of elective units of study chosen from the list of electives (see tables on core and elective units of study below and chapter 31 for unit of study details).

The master's degree comprises 11 core units of study, including two treatise units of study, and a further four credit points of elective units of study chosen from the list of electives (see tables on core and elective units of study below and chapter 31 for unit of study details).



Sexually transmitted diseases/HIV core units of study

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
<i>Core units for the graduate diploma and master's degree</i>			
PUBH5010 Epidemiology Methods and Uses	6	N BSTA5011	Semester 1
PUBH5018 Introductory Biostatistics	6		Semester 1
SEXH5202 Advanced HIV Infection	6		Semester 2
SEXH5207 STI/HIV Clinical Attachment	6	C SEXH5200 and SEXH5202	Semester 1 Semester 2
SEXH5200 Advanced STIs	6		Semester 1
SEXH5206 Diagnostic Methods in Sexual Health	6	<i>Students who are not enrolled in the STD/HIV program through the Faculty of Medicine must apply to Dr Richard Hillman for permission to enrol in this unit of study.</i>	Semester 1
SEXH5100 Social & Policy Aspects of Sexual Health	4		Semester 2
SEXH5101 Public Health Aspects of STDs	2		Semester 2b
SEXH5102 Public Health Aspects of HIV/AIDS	2		Semester 2a
<i>Core units for the master's degree</i>			
SEXH5302 Treatise A	12	P SEXH5200 and SEXH5202	Semester 1 Semester 2
SEXH5303 Treatise B	12	P SEXH5200 and SEXH5202	Semester 1 Semester 2
A student must be enrolled in order to submit the treatise. If a student is not able to submit his/her treatise after enrolling in 24 credit points of treatise units of study, he/she must enrol in a minimum of 12 credit points of treatise units of study, with the concomitant financial liability, every semester until he/she submits.			

Sexually transmitted diseases/HIV elective units of study

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
PUBH5115 Alcohol, Drug Use and Health	2	N PUBH5114 <i>Note: Department permission required for enrolment Students request permission from the unit of study coordinator to enrol in this unit. The coordinator emails the Postgraduate Student Administration Unit advice that the student has permission to enrol.</i>	Semester 2a
PUBH5205 Decision Analysis	2	P PUBH5018 and PUBH5010 <i>Recommended: PUBH5302 Health Economic Evaluation</i>	Semester 2b
PUBH5206 Controlled Trials	2		S2 Intensive
PUBH5212 Categorical Data Analysis	2	P PUBH5018 C PUBH5211	Semester 2b
PUBH5213 Survival Analysis	2	C PUBH5211	Semester 2b
PUBH5221 Qualitative Research Methods	2	P PUBH5016 or MIPH5132 or PUBH5014	S2 Intensive
PUBH5401 Adolescent Health and Health Promotion <i>This unit of study is not available in 2009</i>	2	<i>Note: Department permission required for enrolment Students request permission from the unit of study coordinator to enrol in this unit of study. The coordinator emails the Postgraduate Student Administration Unit advice that the student has permission to enrol.</i>	S2 Late Int
PUBH5414 Public Health Advocacy	2		S2 Intensive
PUBH5415 Injury Prevention	2		S2 Intensive
PUBH5416 Vaccines in Public Health	2	<i>Note: Department permission required for enrolment Students may be required to request permission from the unit of study coordinator to enrol in this unit of study. In this situation, the coordinator emails the Postgraduate Student Administration Unit advice that the student has permission to enrol</i>	S2 Intensive
SEXH5204 Adolescent Sexual Health	4	N SEXH5205 <i>Students are advised to select EITHER SEXH5204 (4 credit points) OR SEXH5205 (6 credit points). Students completing SEXH5204 will NOT be able to undertake SEXH5205. Students are advised to consult with the Unit Coordinator if they need assistance with this selection.</i>	Semester 2
Students choose 4 credit points of units of study from this list.			
Most electives shown are from the Master of Public Health program. When choosing an elective, students should ensure that they satisfy the prerequisite and corequisite requirements.			

Further enquiries

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28. Sleep medicine

Graduate Diploma in Medicine (Sleep Medicine)

(GradDipMed(Sleep Medicine)) KF031

Graduate Diploma of Science in Medicine (Sleep Medicine)

(GradDipScMed(Sleep Medicine)) KF032

Master of Medicine (Sleep Medicine)

(MMed(Sleep Medicine)) KC041

Master of Science in Medicine (Sleep Medicine)

(MScMed(Sleep Medicine)) KC042

Overview

Sleep medicine has evolved to something of a sub-specialty area with relevance across a number of fields, including respiratory medicine, cardiology, neurology and dentistry, with wider implications for health sciences and public health.

The program aims to provide up-to-date information on theory and practice of sleep medicine through distance education; the courses provide training in clinical, theoretical and research techniques in the field of sleep medicine and help to establish criteria for best practice in the field. These courses are suitable for those already working in the area of sleep medicine, or for those wishing to undertake a career change. The courses provide a firm basis for vocational training in this discipline.

The Master of Medicine (Sleep Medicine) and the Master of Science in Medicine (Sleep Medicine) are essentially the same program with different admission requirements, and the same applies to the Graduate Diploma in Medicine (Sleep Medicine) and the Graduate Diploma of Science in Medicine (Sleep Medicine). Only medical graduates (ie those with an MBBS) may be admitted to the Master of Medicine/Graduate Diploma in Medicine while non-medical graduates may be admitted to the Master of Science in Medicine/Graduate Diploma of Science in Medicine. Students follow the same program of study, with the only difference being the title of the course they are awarded on completion.

Admission

Graduate Diploma in Medicine (Sleep Medicine) and Master of Medicine (Sleep Medicine)

Admission to the program normally requires a Bachelor of Medicine/Bachelor of Surgery (MB BS) from the University of Sydney or another approved institution. Candidates are also required to have a minimum of one year postgraduate experience in the field of sleep medicine.

Graduate Diploma of Science in Medicine (Sleep Medicine) and Master of Science of Medicine (Sleep Medicine)

Admission to the program normally requires a bachelor's degree in an appropriate discipline (such as biology or a health science) with first or second class honours from the University of Sydney or another approved institution. Candidates are also required to have a minimum of one year postgraduate experience in the field of sleep medicine. If candidates do not have an honours degree, they may be admitted on the basis of having completed equivalent work or passing a preliminary examination, as prescribed by the Faculty of Medicine.

Structure

The graduate diplomas are embedded in the master's degrees (see chapter 8 for an explanation of embedded degrees).

The program is taught predominantly via the internet. Enrolled students are provided with a user name and password that allows them to access a protected course website. Coursework units of study are delivered as online tutorials and self-directed learning tasks. In some units of study, candidates are required to make formal presentations and analyse case-studies in groups.

Internet conferencing technology ensures that students maintain regular contact with staff. The coursework in the first three semesters consists of core subjects. The fourth semester includes both core and elective subjects, with students able to take either the adult or paediatric stream.

Students have the option of attending a one-week residential program in late November to early December of each of the first two years of enrolment. The practicum introduces candidates to the technical aspects of sleep medicine and is the time during which students will have the opportunity to discuss the research project that they will complete if they are completing the Master's degree

It is also an excellent opportunity for students that are not involved in sleep medicine on a day-to-day basis to gain valuable practical experience in sleep medicine. The residential school is recommended but is no longer an essential component of the course.

Assessment is by formal examination (which is administered via the internet), assignments and presentations.

The treatise unit of study is normally a small research project that is designed and carried out by the student in their place of work in consultation with staff from the sleep medicine course. The resultant treatise is a body of work that generally is in the order of 20,000 words, with the following sections: introduction/literature review, methods, results, discussion/conclusion.

Course	Credit points for award	Duration part-time
GradDipMed(Sleep Medicine)	48	1 to 3 years
GradDipScMed(Sleep Medicine)	48	1–3 years
MMed(Sleep Medicine)	60	2 to 6 years
MScMed(Sleep Medicine)	60	2 to 6 years

The graduate diploma comprises 19 core units of study and a further one elective unit of study chosen from the list of electives (see tables on core and elective units of study below and chapter 31 for unit of study details).

The master's degree comprises 20 core units of study, including one treatise unit, and a further one elective unit of study chosen from the list of electives (see tables on core and elective units of study below and chapter 31 for unit of study details).



Sleep medicine core units of study

<i>Unit of study</i>	<i>Credit points</i>	<i>A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition</i>	<i>Session</i>
<i>Core units of study for the graduate diploma and master's degree</i>			
SLEE5001 Introductory Sleep Science	1		Semester 1 Semester 2
SLEE5002 History of Sleep Research	1		Semester 1 Semester 2
SLEE5003 Introduction to Sleep Disorders	4		Semester 1 Semester 2
SLEE5005 Research & Literature Searching in Sleep	2		Semester 1 Semester 2
SLEE5006 Physiology of Sleep	4		Semester 1 Semester 2
SLEE5007 Chronobiology	2		Semester 1 Semester 2
SLEE5008 Sleep and Breathing I	2		Semester 1 Semester 2
SLEE5009 Sleep and the Endocrine System	2		Semester 1 Semester 2
SLEE5010 Neuropharmacology of Sleep I	1		Semester 1 Semester 2
SLEE5012 Practicum I	5	P SLEE5003 and SLEE5005	Semester 1 Semester 2
SLEE5011 Sleep and the Mind I	2		Semester 1 Semester 2
SLEE5013 Non-Respiratory Sleep Disorders	2	P SLEE5003	Semester 1 Semester 2
SLEE5014 Sleep and Breathing II	4	P SLEE5003 and SLEE5008	Semester 1 Semester 2
SLEE5015 Neuropharmacology of Sleep II	2	P SLEE5010	Semester 1 Semester 2
SLEE5017 Sleep and Body Function	2		Semester 1 Semester 2
SLEE5016 Sleep and the Mind II	1	P SLEE5011	Semester 1 Semester 2
SLEE5020 Sleep and Breathing III	2	P SLEE5014	Semester 1 Semester 2
SLEE5021 Neuropharmacology of Sleep III	2	P SLEE5015	Semester 1 Semester 2
SLEE5024 Practicum II	5	P SLEE5003 and SLEE5005 and SLEE5012	Semester 1 Semester 2
<i>Core units of study for the master's degree</i>			
SLEE5025 Treatise	12	N SLEE5027 and SLEE5028 <i>Note: Department permission required for enrolment</i>	Semester 1 Semester 2
SLEE5027 Treatise A	6	N SLEE5025 <i>Note: Department permission required for enrolment</i> Students are required to seek permission from the course coordinator in order to enrol in this unit. If permission is given the coordinator emails the Postgraduate Student Administration Unit asking that the student be enrolled.	S2 Late Int Semester 1 Semester 2
SLEE5028 Treatise B	6	N SLEE5025 <i>Note: Department permission required for enrolment</i> Students are required to seek permission from the course coordinator in order to enrol in this unit. If permission is given the coordinator emails the Postgraduate Student Administration Unit asking that the student be enrolled.	S2 Late Int Semester 1 Semester 2
Master's degree students must enrol in either SLEE5025 or both SLEE5027 and SLEE5028. A student must be enrolled in order to submit the treatise. If a student is not able to submit his/her treatise after enrolling in 12CP of treatise units, he/she must either re-enrol in SLEE5025 or one of SLEE5027 or SLEE5028, with the concomitant financial liability, every semester until he/she submits.			

Sleep medicine elective units of study

<i>Unit of study</i>	<i>Credit points</i>	<i>A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition</i>	<i>Session</i>
SLEE5019 Sleep in Development (Child)	2		Semester 1 Semester 2
SLEE5023 Sleep in Development (Adult)	2		Semester 1 Semester 2
Students choose one unit of study from this list.			

Further enquiries

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29. Surgery

Graduate Diploma in Surgery
(GradDipSurg) KF039

Master of Surgery
(MS) KC049

Overview

The University of Sydney is home to the largest academic surgical discipline in Australasia. Its courses aim to provide an understanding of the principle of applying the best available research evidence to patient care, as well as the skills required for clinical research.

The knowledge that graduates obtain will complement the practical experience that advanced trainees receive in teaching hospitals through the Royal Australasian College of Surgeons training program.

The Master of Surgery combines research and coursework. Students enrol in one of the following streams:

- cardiothoracic surgery
- colorectal
- endocrine surgery
- endovascular surgery
- hand surgery
- head and neck
- neurosurgery
- orthopaedic
- otorhinolaryngology
- paediatric surgery
- plastic and reconstructive surgery
- surgical oncology
- transplant surgery
- upper gastrointestinal surgery
- urology
- vascular surgery.

Admission

Graduate Diploma in Surgery

The Faculty of Medicine may admit to candidature an applicant who has successfully completed a bachelor of medicine or bachelor of surgery from approved universities or have equivalent qualifications subject to approval by the dean.

Master of Surgery

The Faculty of Medicine may admit to candidature an applicant who has successfully completed a bachelor of medicine or bachelor of surgery from approved universities or have equivalent qualifications subject to approval by the dean.

Applicants must also be a registered trainee on the Surgical Education and Training (SET) program of the Royal Australasian College of Surgeons (RACS) (or equivalent) or a Fellow of the Royal Australasian

College of Surgeons (or equivalent) or currently registered for Pre Surgical Education and Training (PRE SET) with the Royal Australasian College of Surgeons.

Admission in this category requires prior application to and approval from the Head of the Discipline of Surgery.

Structure

The graduate diploma is embedded in the master's degree (see chapter 8 for an explanation of embedded degrees).

The course is divided into three parts. The first part comprises core units of study which aim to offer clinicians the opportunity to learn the principles of applying the best available research evidence to surgical patient care.

The second part allows the candidate to choose from elective units of study including those related to the various dissertation specialties within surgery.

The third part, available only to those enrolled in the master's degree, is a research dissertation on one of the specialty streams listed in the overview.

Course	Credit points for award	Duration full-time	Duration part-time
GradDipSurg	36	1 to 2 years	1.5 to 3 years
MS	48	1 to 2 years	2 to 4 years

The graduate diploma comprises one core unit of study and a further 30 credit points of elective units of study chosen from the primary elective units of study.

In exceptional circumstances only and after application to, and with written approval from, the Head of Discipline or course coordinator, an applicant may be permitted to enrol in one of the secondary elective units of study in place of one of the five required primary elective units of study (see tables on core and elective units of study below and chapter 31 for unit of study details).

The master's degree comprises one core unit of study, two compulsory dissertation units of study and a further 24 credit points of elective units of study chosen from the primary elective units of study.

In exceptional circumstances only and after application to, and with written approval from, the Head of Discipline or course coordinator, an applicant may be permitted to enrol in one of the secondary elective units of study in place of one of the four required primary elective units of study (see tables on core and elective units of study below and chapter 31 for unit of study details).



Surgery core units of study

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
<i>Core unit of study for the graduate diploma and master's degree</i>			
PUBH5018 Introductory Biostatistics	6		Semester 1
<i>Core units of study for the master's degree</i>			
SURG5007 Dissertation A	9		Semester 1 Semester 2
SURG5008 Dissertation B	9		Semester 1 Semester 2
Students must enrol in 18 credit points of dissertation units, which may be in one semester or split over two semesters. Students must be enrolled in order to submit their dissertation. If a student is not able to submit his/her dissertation after enrolling in 18 credit points of dissertation units of study, he/she must re-enrol in a minimum of 9 credit points of dissertation units of study, with the concomitant financial liability, every semester until he/she submits.			

Surgery primary elective units of study

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
SURG5001 Devel & Meas of Surgical Hlth Outcomes 1	6		Semester 1
SURG5003 Devel & Meas of Surgical Hlth Outcomes 2	6		Semester 2
SURG5011 Imaging Surgical Patients	6		Semester 2
SURG5012 Surgical Metabolism	6		Semester 2
SURG5013 Safety in Surgery	6		Semester 1
SURG5014 Principle & Practice of Transplantation	6	<i>It is recommended that students undertake PUBH5108 prior to enrolling in SURG5014</i>	Semester 2
SURG5015 Surgical Anatomy: Based on Dissection	6		Semester 1
SURG5016 Vascular and Endovascular Surgery	6		Semester 2
SURG5020 Advanced Laparoscopic Abdominal Anatomy	6		Semester 1
Students in the graduate diploma choose five elective units of study from this list.			
Students in the master's degree choose four elective units of study from this list.			

Surgery secondary elective units of study

Unit of study	Credit points	A: Assumed knowledge P: Prerequisites C: Corequisites N: Prohibition	Session
BETH5000 Core Concepts in Bioethics	6	A A three-year undergraduate degree in science, medicine, nursing, allied health sciences, philosophy/ethics, sociology/anthropology, history, or other relevant field, or by special permission. <i>A limited number of students may be granted permission to take this unit during their honours year.</i>	Semester 1
BETH5101 Introduction to Ethical Reasoning	6	A A three-year undergraduate degree in science, medicine, nursing, allied health sciences, philosophy/ethics, sociology/anthropology, history, or other relevant field, or by special permission. <i>A limited number of students may be granted permission to take this unit during their honours year.</i>	Semester 1
BETH5102 Philosophy of Medicine	6	A A three-year degree in science, medicine, nursing, allied health sciences, philosophy/ethics, sociology/anthropology, history, or other relevant field - or by special permission. <i>A limited number of students may be granted permission to take this unit during their honours year.</i>	Semester 1
BETH5103 Biomedicine and Society	6	A A three-year undergraduate degree in science, medicine, nursing, allied health sciences, philosophy/ethics, sociology/anthropology, history, or other relevant field, or by special permission. <i>A limited number of students may be granted permission to take this unit during their honours year.</i>	Semester 2
BETH5104 Bioethics, Law and Society	6	A A three-year undergraduate degree in science, medicine, nursing, allied health sciences, philosophy/ethics, sociology/anthropology, history, or other relevant field, or by special permission.	Semester 1
BETH5201 Ethics and Biotech: Genes and Stem Cells	6	A A three-year undergraduate degree in science, medicine, nursing, allied health sciences, philosophy/ethics, sociology/anthropology, history, or other relevant field, or by special permission. <i>A limited number of students may be granted permission to take this unit during their honours year.</i>	Semester 2
BETH5202 Human and Animal Research Ethics	6	A A three-year undergraduate degree in science, medicine, nursing, allied health sciences, philosophy/ethics, sociology/anthropology, history, or other relevant field, or by special permission. <i>A limited number of students may be granted permission to take this unit during their honours year.</i>	Semester 2
BETH5203 Ethics and Public Health	6	A A three-year undergraduate degree in science, medicine, nursing, allied health sciences, philosophy/ethics, sociology/anthropology, history, or other relevant field, or by special permission. <i>A limited number of students may be granted permission to take this unit during their honours year.</i>	Semester 2
CEPI5303 Clinical Health Economics	2		Semester 2a
CEPI5306 Clinical Practice Guidelines	2	A clinical experience strongly recommended	Semester 2a
CEPI5308 Patient Based Measures	2		Semester 1b
CEPI5310 Advanced Concepts in Statistics	4	P PUBH5211 and PUBH5212	Semester 1a
PUBH5010 Epidemiology Methods and Uses	6	N BSTA5011	Semester 1
PUBH5205 Decision Analysis	2	P PUBH5018 and PUBH5010 <i>Recommended: PUBH5302 Health Economic Evaluation</i>	Semester 2b
PUBH5206 Controlled Trials	2		S2 Intensive
PUBH5211 Multiple Regression and Stats Computing	4	P PUBH5018	Semester 2
PUBH5212 Categorical Data Analysis	2	P PUBH5018 C PUBH5211	Semester 2b
PUBH5213 Survival Analysis	2	C PUBH5211	Semester 2b
In exceptional circumstances only and after application to, and with written approval from, the Head of Discipline or course coordinator, an applicant may be permitted to enrol in one of the secondary elective units of study in this list, in place of one of the primary elective units of study.			

Further enquiries

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30. Governance and postgraduate degree regulations

Introduction

This chapter contains information on how postgraduate studies in the Faculty of Medicine are governed, and the resolutions for all postgraduate degrees.

The Combined Board of Postgraduate Studies for the Faculties of Dentistry, Medicine and Pharmacy

Every faculty has a Board of Postgraduate Studies, which oversees the postgraduate courses and candidatures in that faculty. The board for the Faculty of Medicine is combined with the boards for the Faculties of Dentistry and Pharmacy (research only), with the full title being the Combined Board of Postgraduate Studies for the Faculties of Dentistry, Medicine and Pharmacy (CBoPGS).

The CBoPGS is split into two subcommittees, the Coursework Subcommittee that deals with matters relating to coursework candidatures and courses, and the Research Subcommittee that deals with research candidatures and courses.

The chair of the Research Subcommittee is Professor John Christodoulou (Faculty of Medicine) and that for the Coursework Subcommittee is Professor Robert Cumming (Faculty of Medicine).

These two subcommittees meet on a monthly basis with the meetings staggered in time so that members who represent their disciplines at both committees are able to attend.

The constituent members of the Coursework Subcommittee are normally the coursework coordinators of the faculties of Dentistry and Medicine. The committee is concerned with individual coursework candidatures, new course proposals and amendments, policy development and implementation and quality assurance issues such as coursework reviews.

The constituent members of the Research Subcommittee are normally the postgraduate coordinators of the disciplines and departments of the three faculties.

The committee is concerned with individual research candidatures, new research course proposals, policy development and implementation, and other matters pertaining to quality assurance and best practice.

The secretary of the two committees is Ms Kay Thompson, the Manager of the Postgraduate Student Administration Unit.

All requests for admission to a course must be approved by the Combined Board, as are requests for suspension, extensions, and requests by course coordinators to award a student a qualification after fulfilling the requirements of the course.

Postgraduate Student Administration Unit

The Combined Board is supported by the Postgraduate Student Administration Unit (PSAU) for the Faculties of Dentistry, Medicine and Pharmacy. The staff of this unit are well versed in the complexity of rules and regulations surrounding the various programs of study and are happy to assist students with information at any time.

The PSAU should be a student's first point of contact for anything to do with the administration of their course. The course coordinator can help with details of the course, including timetables and which units of study to take.

Office hours: 9am to 5pm, Monday to Friday

Contact details:

Postgraduate Student Administration Unit
Edward Ford Building, A27
University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 3132

Fax: +61 2 9351 8529

Email: medinfo@usyd.edu.au

Website: www.foh.usyd.edu.au/postgrad



Senate and faculty resolutions for postgraduate courses

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

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

- the *University of Sydney (Amendment Act) Rule 1999 (as amended)*; and
- the *University of Sydney (Doctor of Philosophy (PhD)) Rule 2004*;
- the Resolutions of the Academic Board relating to the Examination Procedure for the Degree of Doctor of Philosophy; and
- the relevant faculty resolutions.

The resolutions are listed in the following order:

Master of Bioethics/Graduate Diploma in Bioethics/Graduate Certificate in Bioethics/Graduate Certificate in Bioethics (Biotechnology)/Graduate Certificate in Bioethics (Clinical Ethics)

Master of Biostatistics/Graduate Diploma in Biostatistics/Graduate Certificate in Biostatistics

Graduate Certificate in Clinical Epidemiology

Master of Health Policy/Graduate Diploma in Health Policy/Graduate Certificate in Health Policy

Graduate Diploma in Indigenous Health Promotion

Master of Indigenous Health (Substance Use)/Graduate Diploma in Indigenous Health (Substance Use)/Graduate Certificate in Indigenous Health (Substance Use)

Graduate Diploma in Infection and Immunity/Graduate Certificate in Infection and Immunity

Master of International Ophthalmology/Graduate Diploma in International Ophthalmology

Master of International Public Health/Graduate Diploma in International Public Health

Master of Medical Education/Graduate Diploma in Medical Education/Graduate Certificate in Medical Education

Master of Medical Humanities/Graduate Diploma in Medical Humanities/Graduate Certificate in Medical Humanities

Master of Medicine/Master of Science in Medicine

offered in the following streams:

- Clinical Epidemiology
- Dermatology
- Infection and Immunity
- Interdisciplinary Medicine
- Ophthalmic Science
- Paediatric Medicine
- Pain Management
- Psychotherapy
- Refractive Surgery
- Renal Medicine
- Reproductive Health Sciences and Human Genetics
- Sexually Transmitted Diseases/HIV
- Sleep Medicine

Graduate Diploma in Medicine/Graduate Diploma of Science in Medicine

offered in the following streams:

- Clinical Epidemiology
- Dermatology
- Interdisciplinary Medicine
- Ophthalmic Science
- Paediatric Medicine

- Pain Management
- Refractive Surgery
- Renal Medicine
- Sexually Transmitted Diseases/HIV
- Sleep Medicine

Graduate Certificate in Medicine

offered in the following streams:

- Dermatology
- Interdisciplinary Medicine
- Paediatric Medicine
- Renal Medicine

Graduate Certificate in Pain Management

Master of Public Health/Graduate Diploma in Public Health

Master of Surgery/Graduate Diploma in Surgery

Master of Philosophy

Master of Bioethics

Graduate Diploma in Bioethics

Graduate Certificate in Bioethics

Graduate Certificate In Bioethics (Biotechnology)

Graduate Certificate In Bioethics (Clinical Ethics)

Resolutions of the Senate

1. Requirements for the Master of Bioethics

1.1 To qualify for the award of the Master of Bioethics by coursework a student must:

- 1.1.1 complete such units of study as may be prescribed by the Faculty of Science as detailed in the Faculty of Science Handbook;
- 1.1.2 complete the specified number of credit points as detailed in the Faculty of Science Handbook;
- 1.1.3 satisfy the requirements of all other relevant By-laws, Rules and Resolutions of the University.

2. Requirements for the Master of Bioethics honours degree

2.1 To qualify for the award of the honours degree, candidates must complete the honours requirements published in the Faculty of Science Handbook relating to the course.

3. Requirements for the Graduate Diploma in Bioethics

3.1 To qualify for the award of the Graduate Diploma in Bioethics by coursework a student must:

- 3.1.1 complete such units of study as may be prescribed by the Faculty of Science as detailed in the Faculty of Science Handbook;
- 3.1.2 complete the specified number of credit points as detailed in the Faculty of Science Handbook;
- 3.1.3 satisfy the requirements of all other relevant By-laws, Rules and Resolutions of the University.

4. Requirements for the Graduate Certificate in Bioethics

4.1 To qualify for the award of the Graduate Certificate in Bioethics by coursework a student must:

- 4.1.1 complete such units of study as may be prescribed by the Faculty of Science as detailed in the Faculty of Science Handbook;
- 4.1.2 satisfy the requirements of all other relevant By-laws, Rules and Resolutions of the University.

5. Requirements for the Graduate Certificate in Bioethics (Biotechnology)

5.1 To qualify for the award of the Graduate Certificate in Bioethics (Biotechnology) by coursework a student must:

- 5.1.1 complete such units of study as may be prescribed by the Faculty of Science as detailed in the Faculty of Science Handbook;
- 5.1.2 complete the specified number of credit points as detailed in the Faculty of Science Handbook;
- 5.1.3 satisfy the requirements of all other relevant By-laws, Rules and Resolutions of the University.

6. Requirements for the Graduate Certificate in Bioethics (Clinical Ethics)

- 6.1 To qualify for the award of the Graduate Certificate in Bioethics (Clinical Ethics) by coursework a student must:
- 6.1.1 complete such Units of study as may be prescribed by the Faculty of Science as detailed in the Faculty of Science Handbook;
- 6.1.2 complete the specified number of credit points as detailed in the Faculty of Science Handbook;
- 6.1.3 satisfy the requirements of all other relevant By-laws, Rules and Resolutions of the University.

Resolutions of the Faculty

The resolutions are as detailed in the Faculty of Science Handbook.

The resolutions for the Bioethics courses can be found in chapter 18 of the Science Handbook 2008, see

www.usyd.edu.au/handbooks/science/18_pg_enrol_advice_bioethics.shtml.

Master of Biostatistics Diploma in Biostatistics Graduate Certificate in Biostatistics

Resolutions of the Senate

1. Requirements for the Master of Biostatistics

- 1.1 To qualify for the award of the Master of Biostatistics a candidate must:
- 1.1.1 successfully complete such units of study as may be prescribed by the Faculty on the recommendation of the head of the discipline concerned;
- 1.1.2 enrol for and successfully complete units of study, covering material new to the candidate, giving credit for a total of 72 credit points; and
- 1.1.3 satisfy the requirements of all other relevant By-laws, Rules and Resolutions of the University.
- 1.2 The head of the School of Public Health shall report the result of the examination of the coursework and other work, if any, to the Faculty which shall determine the results of the candidature.

2. Requirements for the Diploma in Biostatistics

- 2.1 To qualify for the award of the Graduate Diploma of Biostatistics a candidate must:
- 2.1.1 successfully complete such units of study as may be prescribed by the Faculty on the recommendation of the head of the discipline concerned;
- 2.1.2 enrol for and successfully complete units of study, covering material new to the candidate, giving credit for a total of 48 credit points; and
- 2.1.3 satisfy the requirements of all other relevant By-laws, Rules and Resolutions of the University.
- 2.2 The head of the discipline concerned shall report the result of the examination of the coursework and other work, if any, to the Faculty which shall determine the results of the candidature.

3. Requirements for the Graduate Certificate in Biostatistics

- 3.1 To qualify for the award of the Graduate Certificate in Biostatistics a candidate must:
- 3.1.1 successfully complete such units of study as may be prescribed by the Faculty on the recommendation of the head of the discipline concerned;
- 3.1.2 enrol for and successfully complete units of study, covering material new to the candidate, giving credit for a total of 24 credit points; and
- 3.1.3 satisfy the requirements of all other relevant By-laws, Rules and Resolutions of the University.
- 3.2 The head of the discipline concerned shall report the result of the examination of the coursework and other work, if any, to the Faculty which shall determine the results of the candidature.

Resolutions of the Faculty

1. Admission

- 1.1 Except as provided in Part 9, section 47 of the *University of Sydney (Amendment Act) Rule 1999*, the Faculty may, on the recommendation of the head of the School of Public Health, admit to candidature for the degree of Master of Biostatistics, the Graduate Diploma in Biostatistics or the Graduate Certificate in Biostatistics, an applicant who holds:
- 1.1.1 a bachelor's degree in an appropriate discipline from the University of Sydney or another approved institution and has held this qualification for at least one year prior to the commencement of candidature, or
- 1.1.2 a qualification determined by the Faculty, on the recommendation of the head of the School of Public Health, as equivalent to 1.1.1 and has held this qualification for at least one year prior to the commencement of candidature.

2. Units of study

- 2.1 For details of units of study relating to the degree of Master of Biostatistics, the Graduate Diploma in Biostatistics or the Graduate Certificate in Biostatistics refer to the Faculty Handbook.

3. Requirements for the award courses

- 3.1 To qualify for the degree of Master of Biostatistics, the Graduate Diploma in Biostatistics or the Graduate Certificate in Biostatistics candidates must:
- 3.1.1 successfully complete such units of study as may be prescribed by the Faculty on the recommendation of the head of the School of Public Health, and
- 3.1.2 satisfy the requirements of all other relevant By-Laws, Rules and Resolutions of the University, and
- 3.1.3.1 enrol for and successfully complete units of study, covering material new to the candidate, giving credit for a total of 72 credit points to qualify for the degree of Master of Biostatistics, or
- 3.1.3.2 enrol for and successfully complete units of study, covering material new to the candidate, giving credit for a total of 48 credit points to qualify for the Graduate Diploma in Biostatistics, or
- 3.1.3.2 enrol for and successfully complete units of study, covering material new to the candidate, giving credit for a total of 24 credit points to qualify for the Graduate Certificate in Biostatistics.

4. Award

- 4.1 The degree of Master of Biostatistics, the Graduate Diploma in Biostatistics and the Graduate Certificate in Biostatistics shall all be awarded in one grade only, namely pass.

5. Method of progression

- 5.1 A candidate for the degree shall proceed by enrolling and completing units of study as prescribed by Faculty.

6. Enrolment

- 6.1 A student must be enrolled in each semester in which he or she is actively completing the requirements for the award course.
- 6.2 The candidature of a student who has not re-enrolled and who has not obtained approval from the Faculty for a suspension of candidature for the relevant semester will be deemed to have lapsed.

7. Suspension of candidature

- 7.1 A candidate who wishes to suspend their candidature must apply, in writing, to the Faculty.
- 7.1.1 The application must be received by the Faculty prior to the commencement of the relevant semester.
- 7.1.2 A candidate may only apply for a period of suspension for one semester at any one time. Should a candidate wish to suspend their candidature for more than one semester another application must be made to the Faculty for each subsequent semester, prior to the commencement of the relevant semester.
- 7.1.3 Late applications may be considered at the Faculty's discretion.
- 7.1.4 Where a student has previously enrolled for the relevant semester, a suspension of enrolment may be recorded as *Withdrawn (W)* or *Discontinued Not To Count As Failure (DNF)* where that application is received within the time-frames specified by the University and published by the

- Student Centre, or where the student meets other conditions as specified by the Faculty.
- 7.2 Where the candidate has previously had two semesters of suspension the application will be considered by the Board of Postgraduate Studies for the Faculty.
8. **Re-enrolment after an absence**
- 8.1 A student must enrol in the semester following a period of approved suspension.
- 8.2 A student whose candidature has lapsed must apply for re-admission in accordance with procedures determined by the Faculty.
9. **Credit**
- 9.1 Refer to *University of Sydney (Coursework) Rule 2000 (as amended)*, Division 3, Section 8 and the Board of Postgraduate Studies for the Faculties of Dentistry, Medicine and Pharmacy, *Academic Credit, Advanced Standing, and Exemption Policy*.
- 9.2 A candidate may receive credit, as recommended by the head of the School of Public Health, towards the requirements for the Master of Biostatistics, the Graduate Diploma In Biostatistics or the Graduate Certificate in Biostatistics where:
- 9.2.1 before admission, the candidate has spent time in graduate study in the University of Sydney or another university, and
- 9.2.2 the candidate has completed coursework, within five years except with the permission of the Dean, considered by the Dean to be equivalent to work prescribed for the award course.
10. **Time limits**
- 10.1 A full-time candidate of the degree of Master of Biostatistics must complete the requirements for the degree not earlier than the end of the third semester and not later than the end of the sixth semester, unless otherwise determined by the Dean.
- 10.2 A part-time candidate of the degree of Master of Biostatistics must complete the requirements for the degree not earlier than the end of the sixth semester and not later than the end of the twelfth semester, unless otherwise determined by the Dean.
- 10.3 A full-time candidate of the Graduate Diploma in Biostatistics must complete the requirements for the degree not earlier than the end of the second semester and not later than the end of the fourth semester, unless otherwise determined by the Dean.
- 10.4 A part-time candidate of the Graduate Diploma in Biostatistics must complete the requirements for the degree not earlier than the end of the fourth semester and not later than the end of the eighth semester, unless otherwise determined by the Dean.
- 10.5 A full-time candidate of the Graduate Certificate in Biostatistics must complete the requirements for the degree not earlier than the end of the first semester and not later than the end of the second semester, unless otherwise determined by the Dean.
- 10.6 A part-time candidate of the Graduate Certificate in Biostatistics must complete the requirements for the degree not earlier than the end of the second semester and not later than the end of the fourth semester, unless otherwise determined by the Dean.
11. **Examination**
- 11.1 The head of the School of Public Health shall report the result of the examination of the coursework and other work, if any, to the Faculty which shall determine the results of the candidature.

Graduate Certificate in Clinical Epidemiology

Resolutions of the Senate

1. **Requirements for the Graduate Certificate in Clinical Epidemiology**
- 1.1 To qualify for the award of the Graduate Certificate in Clinical Epidemiology a student must:
- 1.1.1 complete such units of study as may be prescribed by the Faculty on the recommendation of the head of the discipline concerned;
- 1.1.2 complete the specified number of credit points as detailed in the Resolutions of the Faculty of Medicine;
- 1.1.3 satisfy the requirements of all other relevant By-laws, Rules and Resolutions of the University.

- 1.2 The head of the discipline concerned shall report the result of the examination of the coursework and other work, if any, to the Faculty which shall determine the results of the candidature.

Resolutions of the Faculty

1. Admission

- 1.1 Except as provided in Part 9, section 47 of the *University of Sydney (Amendment Act) Rule 1999*, the Faculty of Medicine may, on the recommendation of the head of a discipline in the Faculty admit to candidature for the Graduate Certificate in Clinical Epidemiology an applicant who holds the degrees of Bachelor of Medicine and Bachelor of Surgery of the University of Sydney and who has completed any courses in the subject area in which the applicant seeks to proceed as determined by the Faculty on the recommendation of the head of discipline concerned; or
- 1.2 an applicant who holds the degree of bachelor with first or second class honours, or
- 1.3 an applicant who holds the degree of bachelor of the University of Sydney without first or second class honours and who has completed equivalent work or passed a preliminary examination or examinations as prescribed by the Faculty, and who has completed any courses in the subject area in which the applicant seeks to proceed as determined by the Faculty on the recommendation of the head of the discipline concerned.

2. Method of progression

- 2.1 A candidate for the Graduate Certificate in Clinical Epidemiology shall proceed by coursework.
- 2.2 A candidate shall proceed by completing units of study as prescribed by the Faculty.
- 2.3 Successful completion of a unit of study requires candidates to:
- 2.3.1 formally enrol in the unit of study and pay associated tuition fees, if any; and
- 2.3.2 to attend lectures, tutorials, practical sessions and seminars, Web forums or conduct research, if any; and
- 2.3.3 satisfactorily complete assignments and practical work, if any; and
- 2.3.4 to pass the written and practical examinations of the unit of study, if any.
- 2.4 Where approved, in addition to campus-based learning, the Graduate Certificate in Clinical Epidemiology may be delivered by distance learning.

3. Units of study

- 3.1 For unit of study details relating to the degrees of Graduate Certificate in Clinical Epidemiology by coursework please refer to the course coordinator, the Faculty and course Websites and specific course handouts.

4. Requirements

- 4.1 A Graduate Certificate in Clinical Epidemiology candidate shall complete such units of study as may be prescribed by the Faculty on the recommendation of the head of the discipline concerned.
- 4.1.2 complete units of study totalling 24 credit points, including any core units of study, specified by the Faculty.
- 4.1.3 The head of the discipline concerned shall report the result of the examination of the coursework and other work, if any, to the Faculty which shall determine the results of the candidature.
- 4.1.4 satisfy the requirements of all other relevant By-Laws, Rules and Resolutions of the University.

5. Award of Graduate Certificate in Clinical Epidemiology

- 5.1 The degree of Graduate Certificate in Clinical Epidemiology shall be awarded in one grade only, namely pass.
- 5.2 A candidate for the degree of Master of Medicine (Clinical Epidemiology), the degree of Master of Science in Medicine (Clinical Epidemiology), the Graduate Diploma of Medicine (Clinical Epidemiology) or the Graduate Diploma of Science in Medicine (Clinical Epidemiology) may apply for the award of the Graduate Certificate in Clinical Epidemiology if, in the opinion of the Faculty and on the recommendation of the head of the department concerned, the candidate fulfils the requirements in 1., and has completed work for that degree equivalent to that required in 4., and such a candidate shall thereupon cease to be a candidate for the previous award course.

6. Probation

- 6.1 A candidate may be accepted by the Faculty on a probationary basis for a period six months and upon completion of this probationary period the Faculty shall review the candidate's work and shall either confirm the candidate's status or terminate the candidature.
- 6.2 In the case of a candidate accepted on a probationary basis under 6.1, the candidature shall be deemed to have commenced from the date of such acceptance.

7. Enrolment

- 7.1 A student must be enrolled in each semester in which he or she is actively completing the requirements for the award course.
- 7.2 The candidature of a student who has not re-enrolled and who has not obtained approval from the Faculty for a suspension of candidature for the relevant semester will be deemed to have lapsed.

8. Restrictions on enrolment

- 8.1 Admission to candidature may be limited by a quota. In determining the quota the Faculty will take into account:
- 8.1.1 availability of resources
- 8.1.2 availability of adequate and appropriate supervision.
- 8.2 In considering an application for admission the Faculty will take into account the quota. Entry will be based on applicants who are most meritorious in terms of 1 above.

9. Discontinuation of enrolment

- 9.1 A candidate who wishes to discontinue enrolment from the Graduate Certificate in Clinical Epidemiology must notify the Faculty in writing and will be presumed to have discontinued enrolment from the date of that notification, unless evidence is produced showing:
- 9.1.1 that the discontinuation occurred at an earlier date; and
- 9.1.2 that there was good reason why the notification could not be made at the earlier time.
- 9.2 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 Student Centre, or where the student meets other conditions as specified by the faculty.

10. Suspension of candidature

- 10.1 A candidate who wishes to suspend their candidature must apply, in writing, to the Faculty.
- 10.1.1 The application must be received by the Faculty prior to the commencement of the relevant semester.
- 10.1.2 A candidate may only apply for a period of suspension for one semester at any one time. Should a candidate wish to suspend their candidature for more than one semester another application must be made to the Faculty for each subsequent semester, prior to the commencement of the relevant semester.
- 10.1.3 Late applications may be considered at the Faculty's discretion.
- 10.1.4 Where a student has previously enrolled for the relevant semester, a suspension of enrolment may be recorded as *Withdrawn (W)* or *Discontinued Not To Count As Failure (DNF)* where that application is received within the time-frames specified by the University and published by the Student Centre, or where the student meets other conditions as specified by the faculty.
- 10.2 Where the candidate has not had two previous semesters of suspension the application will be considered by the Chair of the Board of Postgraduate Studies for the Faculty.
- 10.3 Where the candidate has previously had two semesters of suspension the application will be considered by the Board of Postgraduate Studies for the Faculty or its Coursework Subcommittee.

11. Re-enrolment after an absence

- 11.1 A student must enrol in the semester following a period of approved suspension.
- 11.2 A student whose candidature has lapsed must apply for re-admission in accordance with procedures determined by the Faculty.

12. Satisfactory progress

- 12.1 The Faculty may
- 12.1.1 on the recommendation of the head of the discipline concerned, call upon any candidate to show cause why that candidature should not be terminated by reason of

unsatisfactory progress towards completion of either degree; and

- 12.1.2 where, in the opinion of the Faculty, the candidate does not show good cause, terminate the candidature.

13. Credit

- 13.1 Refer to *University of Sydney (Coursework) Rule 2000 (as amended)*, Division 3. Section 8.

14. Time limits

- 14.1 A full-time candidate shall complete the requirements for either degree not earlier than one semester after the commencement of candidature and, except with the permission of the Faculty on the recommendation of the head of the discipline concerned, not later than two years after commencement of candidature.
- 14.2 Except with the permission of the Faculty on the recommendation of the head of the discipline concerned, a part-time candidate shall complete the requirements for either degree not earlier than two semesters after the commencement of candidature and not later than three years after commencement of candidature.

Master of Health Policy

Graduate Diploma in Health Policy

Graduate Certificate in Health Policy

*Resolutions of the Senate***1. Requirements for the Master of Health Policy**

- 1.1 To qualify for the award of the Master of Health Policy a candidate must:
- 1.1.1 successfully complete such units of study as may be prescribed by the Faculty on the recommendation of the head of the discipline concerned;
- 1.1.2 enrol for and successfully complete units of study giving credit for a total of 48 credit points, and
- 1.1.3 satisfy the requirements of all other relevant By-laws, Rules and Resolutions of the University.
- 1.2 The head of the School of Public Health shall report the result of the examination of the coursework and other work, if any, to the Faculty which shall determine the results of the candidature.

2. Requirements for the Graduate Diploma in Health Policy

- 2.1 To qualify for the award of the Graduate Diploma in Health Policy a candidate must:
- 2.1.1 successfully complete such units of study as may be prescribed by the Faculty on the recommendation of the head of the discipline concerned;
- 2.1.2 enrol for and successfully complete units of study giving credit for a total of 36 credit points; and
- 2.1.3 satisfy the requirements of all other relevant By-laws, Rules and Resolutions of the University.
- 2.2 The head of the School of Public Health shall report the result of the examination of the coursework and other work, if any, to the Faculty which shall determine the results of the candidature.

3. Requirements for the Graduate Certificate in Health Policy

- 3.1 To qualify for the award of the Graduate Certificate in Health Policy a candidate must:
- 3.1.1 successfully complete such units of study as may be prescribed by the Faculty on the recommendation of the head of the discipline concerned;
- 3.1.2 enrol for and successfully complete units of study giving credit for a total of 24 credit points; and
- 3.1.3 satisfy the requirements of all other relevant By-laws, Rules and Resolutions of the University
- 3.2 The head of the School of Public Health shall report the result of the examination of the coursework and other work, if any, to the Faculty which shall determine the results of the candidature.

*Resolutions of the Faculty***1. Admission**

1.1 Except as provided in Part 9, section 47 of the *University of Sydney (Amendment Act) Rule 1999 (as amended)*, the Faculty may, on the recommendation of the head of the School of Public Health, admit to candidature for:

- 1.1.1 the degree of Master of Health Policy an applicant who:
 - 1.1.1.1 holds a degree from the University of Sydney, or another recognised institution as provided for in University of Sydney By-Laws, for which the minimum time to qualify was at least four academic years, or
 - 1.1.1.2 has passed a preliminary examination or examinations prescribed by the Faculty, unless exempted by the Faculty, or
 - 1.1.1.3 has completed requirements for the Graduate Diploma in Health Policy.
- 1.1.2 the Graduate Diploma in Health Policy an applicant who:
 - 1.1.2.1 holds a degree from the University of Sydney, or of another university or academic institution approved by the Dean; or
 - 1.1.2.2 has obtained such qualifications and has completed such courses as are acceptable to the Dean; or
 - 1.1.2.3 furnishes such evidence of special fitness to enter upon systematic courses of study in Health Policy as is acceptable to the Dean; or
 - 1.1.2.4 has completed requirements for the Graduate Certificate in Health Policy.
- 1.1.3 the Graduate Certificate in Health Policy an applicant who:
 - 1.1.3.1 holds a degree from the University of Sydney, or of another university or academic institution approved by the Dean; or
 - 1.1.3.2 has obtained such qualifications and has completed such courses as are acceptable to the Dean; or
 - 1.1.3.3 furnishes such evidence of special fitness to enter upon systematic courses of study in Health Policy as is acceptable to the Dean.

2. Units of study

2.1 For unit of study details relating to the degree of Master of Health Policy, the Graduate Diploma in Health Policy and the Graduate Certificate in Health Policy refer to the Faculty Handbook.

3. Requirements for the award courses

- 3.1 To qualify for the degree of Master of Health Policy, the Graduate Diploma in Health Policy or the Graduate Certificate in Health Policy candidates must:
 - 3.1.1 successfully complete such units of study as may be prescribed by the Faculty on the recommendation of the head of the School of Public Health, and
 - 3.1.2 satisfy the requirements of all other relevant By-Laws, Rules and Resolutions of the University, and
 - 3.1.3.1 enrol for and successfully complete units of study, covering new material to the candidate, giving credit for a total of 48 credit points to qualify for the degree of Master of Health Policy, or
 - 3.1.3.2 enrol for and successfully complete units of study, covering new material to the candidate, giving credit for a total of 36 credit points to qualify for the Graduate Diploma in Health Policy, or
 - 3.1.3.3 enrol for and successfully complete units of study, covering new material to the candidate, giving credit for a total of 24 credit points to qualify for the Graduate Certificate in Health Policy.

4. Award

4.1 The degree of Master of Health Policy, the Graduate Diploma in Health Policy and the Graduate Certificate in Health Policy shall all be awarded in one grade only, namely pass.

5. Method of progression

- 5.1 A candidate shall proceed by coursework or coursework and essay or coursework and internship.
- 5.2 A candidate for the degree shall proceed by enrolling and completing units of study within the general area of health policy and as prescribed by Faculty.

6. Enrolment

6.1 A student must be enrolled in each semester in which he or she is actively completing the requirements for the award course.

6.2 The candidature of a student who has not re-enrolled and who has not obtained approval from the Faculty for a suspension of candidature for the relevant semester will be deemed to have lapsed.

7. Suspension of candidature

- 7.1 A candidate who wishes to suspend their candidature must apply, in writing, to the Faculty.
 - 7.1.1 The application must be received by the Faculty prior to the commencement of the relevant semester.
 - 7.1.2 A candidate may only apply for a period of suspension for one semester at any one time. Should a candidate wish to suspend their candidature for more than one semester another application must be made to the Faculty for each subsequent semester, prior to the commencement of the relevant semester.
 - 7.1.3 Late applications may be considered at the Faculty's discretion.
 - 7.1.4 Where a student has previously enrolled for the relevant semester, a suspension of enrolment may be recorded as *Withdrawn (W)* or *Discontinued Not To Count As Failure (DNF)* where that application is received within the time-frames specified by the University and published by the Student Centre, or where the student meets other conditions as specified by the Faculty.
- 7.2 Where the candidate has previously had two semesters of suspension the application will be considered by the Board of Postgraduate Studies for the Faculty.

8. Re-enrolment after an absence

- 8.1 A student must enrol in the semester following a period of approved suspension.
- 8.2 A student whose candidature has lapsed must apply for re-admission in accordance with procedures determined by the Faculty.

9. Credit

9.1 Refer to *University of Sydney (Coursework) Rule 2000 (as amended)*, Division 3, Section 8 and the Board of Postgraduate Studies for the Faculties of Dentistry, Medicine and Pharmacy, *Academic Credit, Advanced Standing, and Exemption Policy*.

10. Time limits

- 10.1 A full-time candidate for the degree of Master of Health Policy shall complete the requirements for the degree not earlier than two semesters after the commencement of candidature and not later than the end of the fourth semester of candidature, except with the permission of the Faculty on the recommendation of the head of the School of Public Health.
- 10.2 A part-time candidate for the degree of Master of Health Policy shall complete the requirements for the degree not earlier than two semesters after the commencement of candidature and not later than the end of the eighth semester of candidature, except with the permission of the Faculty on the recommendation of the head of the School of Public Health.
- 10.3 A full-time candidate for the Graduate Diploma in Health Policy shall complete the requirements for the degree not earlier than two semesters after the commencement of candidature and not later than the end of the fourth semester of candidature, except with the permission of the Faculty on the recommendation of the head of the School of Public Health.
- 10.4 A part-time candidate for the Graduate Diploma in Health Policy shall complete the requirements for the degree not earlier than two semesters after the commencement of candidature and not later than the end of the sixth semester of candidature, except with the permission of the Faculty on the recommendation of the head of the School of Public Health.
- 10.5 A full-time candidate for the Graduate Certificate in Health Policy shall complete the requirements for the degree not earlier than two semesters after the commencement of candidature and not later than the end of the sixth semester of candidature, except with the permission of the Faculty on the recommendation of the head of the School of Public Health.
- 10.6 A part-time candidate for the Graduate Certificate in Health Policy shall complete the requirements for the degree not earlier than two semesters after the commencement of candidature and not later than the end of the eighth semester of candidature, except with the permission of the Faculty on the recommendation of the head of the School of Public Health.

11. Examination

- 11.1 The head of the School of Public Health shall report the result of the examination of the coursework and other work, if any, to the Faculty which shall determine the results of the candidature.
- 11.2.1 The Faculty may permit an unsuccessful candidate to be re-examined if, in the opinion of the head of the School of Public Health, the candidate's work is of sufficient merit to warrant this concession.
- 11.2.2 In such cases, the Faculty may prescribe special conditions to be fulfilled by the candidate at such re-examination.

Graduate Diploma in Indigenous Health Promotion

Resolutions of the Senate

1. Requirements for the Graduate Diploma in Indigenous Health Promotion

- 1.1 To qualify for the award of the Graduate Diploma in Infection and Immunity a student must:
- 1.1.1 successfully complete such units of study as may be prescribed by the Faculty on the recommendation of the head of the discipline concerned;
- 1.1.2 enrol for and successfully complete units of study giving credit for a total of 48 credit points; and
- 1.1.3 satisfy the requirements of all other relevant By-laws, Rules and Resolutions of the University.
- 1.2 The head of the School of Public Health shall report the result of the examination of the coursework and other work, if any, to the Faculty which shall determine the results of the candidature.

Resolutions of the Faculty

1. Admission

- 1.1 Except as provided in Part 9, section 47 of the *University of Sydney (Amendment Act) Rule 1999*, the Faculty may, on the recommendation of the head of the School of Public Health, admit to candidature for the Graduate Diploma in Indigenous Health Promotion an applicant who:
- 1.1.1 is a graduate of the University of Sydney, or
- 1.1.2 who furnishes evidence which satisfies the Faculty that the person is qualified to enter upon the prescribed courses of study in the subject matter of the diploma, and
- 1.1.3 is able to demonstrate working experience in Aboriginal and Torres Strait Islander communities, including experience in engaging communities in action to improve their health, and
- 1.1.4 is able to demonstrate knowledge of and sensitivity to working with Aboriginal and Torres Strait Islander people; and
- 1.1.5 has the support for his/her candidature from his/her community and, where relevant, from his/her employer.
- 1.2 Applications from suitably qualified Aboriginal and Torres Strait Islander people will be given priority.

2. Units of study

- 2.1 For unit of study details relating to the Graduate Diploma in Indigenous Health Promotion refer to the faculty handbook.

3. Requirements for the Graduate Diploma in Indigenous Health Promotion

- 3.1 To qualify for the Graduate Diploma in Indigenous Health Promotion candidates must:
- 3.1.1 successfully complete such units of study as may be prescribed by the Faculty on the recommendation of the head of the School of Public Health, and
- 3.1.2 satisfy the requirements of all other relevant By-Laws, Rules and Resolutions of the University, and
- 3.1.3 enrol for and successfully complete units of study giving credit for a total of 48 credit points.

4. Award

- 4.1 The Graduate Diploma in Indigenous Health Promotion shall all be awarded in one grade only, namely pass.

5. Enrolment

- 5.1 A student must be enrolled in each semester in which he or she is actively completing the requirements for the award course.

- 5.2 The candidature of a student who has not re-enrolled and who has not obtained approval from the Faculty for a suspension of candidature for the relevant semester will be deemed to have lapsed.

6. Suspension of candidature

- 6.1 A candidate who wishes to suspend their candidature must apply, in writing, to the Faculty.
- 6.1.1 The application must be received by the Faculty prior to the commencement of the relevant semester.
- 6.1.2 A candidate may only apply for a period of suspension for one semester at any one time. Should a candidate wish to suspend their candidature for more than one semester another application must be made to the Faculty for each subsequent semester, prior to the commencement of the relevant semester.
- 6.1.3 Late applications may be considered at the Faculty's discretion.
- 6.1.4 Where a student has previously enrolled for the relevant semester, a suspension of enrolment may be recorded as *Withdrawn (W)* or *Discontinued Not To Count As Failure (DNF)* where that application is received within the time-frames specified by the University and published by the Student Centre, or where the student meets other conditions as specified by the Faculty.
- 6.2 Where the candidate has previously had two semesters of suspension the application will be considered by the Board of Postgraduate Studies for the Faculty.
7. **Re-enrolment after an absence**
- 7.1 A student must enrol in the semester following a period of approved suspension.
- 7.2 A student whose candidature has lapsed must apply for re-admission in accordance with procedures determined by the Faculty.

8. Credit

- 8.1 Refer to *University of Sydney (Coursework) Rule 2000 (as amended)*, Division 3, Section 8 and the Board of Postgraduate Studies for the Faculties of Dentistry, Medicine and Pharmacy, *Academic Credit, Advanced Standing, and Exemption Policy*.

9. Time limits

- 9.1 A full-time candidate for the Graduate Diploma in Indigenous Health Promotion must complete the requirements not earlier than the end of the first year of candidature and not later than the end of the second year of candidature, except with the permission of the Faculty, on the recommendation of the head of the School of Public Health.
- 9.1 A part-time candidate for the Graduate Diploma in Indigenous Health Promotion shall complete the requirements not earlier than the end of the second year of candidature and not later than the end of the fourth year of candidature, except with the permission of the Faculty, on the recommendation of the head of the School of Public Health.

10. Examination

- 10.1 The head of the School of Public Health shall report the result of the examination of the coursework and other work, if any, to the Faculty which shall determine the results of the candidature.

Master of Indigenous Health (Substance Use) Graduate Diploma in Indigenous Health (Substance Use) Graduate Certificate in Indigenous Health (Substance Use)

Resolutions of the Senate

1. Requirements for the Master of Indigenous Health (Substance Use)

- 1.1 To qualify for the award of the Master of Indigenous Health (Substance Use) a candidate must:
- 1.1.1 successfully complete such units of study as may be prescribed by the faculty on the recommendation of the head of the school concerned;

- 1.1.2 enrol for and successfully complete units of study giving credit for a total of 48 credit points; and
- 1.1.3 satisfy the requirements of all other relevant by-laws, rules and resolutions of the University.
- 1.2 The head of the school concerned shall report the result of the examination of the coursework and other work, if any, to the faculty which shall determine the results of the candidature.
- 2. Requirements for the Graduate Diploma in Indigenous Health (Substance Use)**
- 2.1 To qualify for the award of the Graduate Diploma in Indigenous Health (Substance Use) a candidate must:
- 2.1.1 successfully complete such units of study as may be prescribed by the faculty on the recommendation of the head of the school concerned;
- 2.1.2 enrol for and successfully complete units of study giving credit for a total of 36 credit points; and
- 2.1.3 satisfy the requirements of all other relevant by-laws, rules and resolutions of the University.
- 2.2 The head of the school concerned shall report the result of the examination of the coursework and other work, if any, to the faculty which shall determine the results of the candidature.
- 3. Requirements for the Graduate Certificate in Indigenous Health (Substance Use)**
- 3.1 To qualify for the award of the Graduate Certificate in Indigenous Health (Substance Use) a candidate must:
- 3.1.1 successfully complete such units of study as may be prescribed by the faculty on the recommendation of the head of the school concerned;
- 3.1.2 enrol for and successfully complete units of study giving credit for a total of 24 credit points; and
- 3.1.3 satisfy the requirements of all other relevant by-laws, rules and resolutions of the University.
- 3.2 The head of the school concerned shall report the result of the examination of the coursework and other work, if any, to the faculty which shall determine the results of the candidature.
- 4. Requirements for the honours degree**
- 4.1 To qualify for the award of the honours degree a student must complete the honours requirements published in the Faculty resolutions relating to the course.
- 1.2 Applications from suitably qualified Aboriginal and Torres Strait Islander people will be given priority.
- 1.3 The School of Public Health may choose to conduct an interview as part of the process of assessing applicants' ability to undertake the course.
- 2. Units of study**
- 2.1 For details of units of study relating to the degree of Master of Indigenous Health (Substance Use), the Graduate Diploma in Indigenous Health (Substance Use) or the Graduate Certificate in Indigenous Health (Substance Use) refer to the Faculty Handbook.
- 3. Requirements for the award courses**
- 3.1 To qualify for the degree of Master of Indigenous Health (Substance Use), the Graduate Diploma in Indigenous Health (Substance Use) or the Graduate Certificate in Indigenous Health (Substance Use) candidates must:
- 3.1.1 successfully complete such units of study as may be prescribed by the faculty on the recommendation of the head of the School of Public Health, and
- 3.1.2 satisfy the requirements of all other relevant by-laws, rules and resolutions of the University, and
- 3.1.3.1 enrol for and successfully complete units of study, covering material new to the candidate, giving credit for a total of 48 credit points to qualify for the degree of Master of Indigenous Health (Substance Use), or
- 3.1.3.2 enrol for and successfully complete units of study, covering material new to the candidate, giving credit for a total of 36 credit points to qualify for the Graduate Diploma in Indigenous Health (Substance Use), or
- 3.1.3.3 enrol for and successfully complete units of study, covering material new to the candidate, giving credit for a total of 24 credit points to qualify for the Graduate Certificate in Indigenous Health (Substance Use).
- 4. Requirements for the award of honours**
- 4.1 A candidate of the degree of Master of Indigenous Health (Substance Use) may be awarded the degree with honours at graduation where the candidate:
- 4.1.1 has enrolled for and successfully completed 48 credit points of coursework and 12 credit points of research resulting in a successfully completed dissertation; and
- 4.1.2 has obtained a weighted average mark of at least 70 per cent in the coursework component of the degree.
- 4.2 If a pass level degree of Master of Indigenous Health (Substance Use) has already been awarded, the testamur will be replaced by the honours level degree testamur after completing all honours requirements.
- 4.3 Not more than ten years shall have elapsed between a candidate being awarded the pass level degree of Master of Indigenous Health (Substance Use) and beginning requirements for the award of honours.
- 5. Award**
- 5.1 The Graduate Diploma in Indigenous Health (Substance Use) and the Graduate Certificate in Indigenous Health (Substance Use) shall all be awarded in one grade only, namely pass.
- 5.2 The degree of Master of Indigenous Health (Substance Use) shall all be awarded as a pass degree or with honours.
- 5.2.1 A candidate may be awarded the pass degree of Master of Indigenous Health (Substance Use) with merit at graduation where the candidate has achieved a minimum average mark of 75 per cent upon completion of all units.
- 6. Award of Graduate Certificate in Indigenous Health (Substance Use)**
- 6.1 A candidate for the degree of Master of Indigenous Health (Substance Use) or the Graduate Diploma in Indigenous Health (Substance Use) may apply for the award of the Graduate Certificate in Indigenous Health (Substance Use) if, in the opinion of the faculty and on the recommendation of the Head of the School of Public Health, the candidate fulfils the requirements in 3., and has completed work for that course equivalent to that required in 4.
- 6.2 Such a candidate shall thereupon cease to be a candidate for the previous award course.
- 7. Award of Graduate Diploma in Indigenous Health (Substance Use)**
- 7.1 A candidate for the degree of Master of Indigenous Health (Substance Use) may apply for the award of the Graduate Diploma in Indigenous Health (Substance Use) if, in the opinion

Resolutions of the Faculty

1. Admission

- 1.1 Except as provided in Part 9, section 47 of the University of Sydney (Amendment Act) Rule 1999 (as amended), the Faculty may, on the recommendation of the head of the School of Public Health, admit to candidature for:
- 1.1.1 the degree of Master of Indigenous Health (Substance Use) an applicant who:
- 1.1.1.1 has completed requirements for the Graduate Diploma in Indigenous Health (Substance Use) with a credit average; and
- 1.1.1.2 has the support for his/her candidature from his/her community and, where relevant, from his/her employer;
- 1.1.2 the Graduate Certificate in Indigenous Health (Substance Use) or the Graduate Diploma in Indigenous Health (Substance Use) an applicant who:
- 1.1.2.1 is able to demonstrate several years working experience in Aboriginal and Torres Strait Islander communities, including experience in engaging individuals and/or communities in action to improve their health, with more extensive experience expected of applicants for the graduate diploma; and
- 1.1.2.2 is able to demonstrate knowledge of and sensitivity to working with Aboriginal and Torres Strait Islander people; and
- 1.1.2.3 has the support for his/her candidature from his/her community and, where relevant, from his/her employer; and
- 1.1.2.4.1 holds a degree from the University of Sydney, or another recognised institution as provided for in University of Sydney by-laws, for which the minimum time to qualify was at least three academic years, or
- 1.1.2.4.2 furnishes evidence which satisfies the faculty that the person is qualified to enter upon the prescribed courses of study in the subject matter of the award course;

of the faculty and on the recommendation of the Head of the School of Public Health, the candidate fulfils the requirements in 3., and has completed work for that course equivalent to that required in 4.

7.2 Such a candidate shall thereupon cease to be a candidate for the previous award course.

8. Method of progression

8.1 A candidate for the degree shall proceed by enrolling and completing units of study as prescribed by the faculty.

9. Enrolment

9.1 A student must be enrolled in each semester in which he or she is actively completing the requirements for the award course.

9.2 The candidature of a student who has not re-enrolled and who has not obtained approval from the faculty for a suspension of candidature for the relevant semester will be deemed to have lapsed.

10. Restrictions on enrolment

10.1 Admission to candidature may be limited by a quota. In determining the quota the Faculty will take into account:

10.1.1 availability of resources

10.1.2 availability of adequate and appropriate supervision.

10.2 In considering an application for admission the dean will take into account the quota. Entry will be based on applicants who are most meritorious in terms of item 1. Admission and particularly item 1.2.

11. Discontinuation of enrolment

11.1 A candidate who wishes to discontinue enrolment from the Master of Indigenous Health (Substance Use), Graduate Diploma in Indigenous Health (Substance Use) or the Graduate Certificate in Indigenous Health (Substance Use), must notify the faculty in writing and will be presumed to have discontinued enrolment from the date of that notification, unless evidence is produced showing:

11.1.1 that the discontinuation occurred at an earlier date; and

11.1.2 that there was good reason why the notification could not be made at the earlier time.

11.2 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 Student Centre, or where the student meets other conditions as specified by the faculty.

12. Suspension of candidature

12.1 A candidate who wishes to suspend their candidature must apply, in writing, to the faculty.

12.1.1 The application must be received by the faculty prior to the commencement of the relevant semester.

12.1.2 A candidate may only apply for a period of suspension for one semester at any one time. Should a candidate wish to suspend their candidature for more than one semester another application must be made to the faculty for each subsequent semester, prior to the commencement of the relevant semester.

12.1.3 Late applications may be considered at the faculty's discretion.

12.1.4 Where a student has previously enrolled for the relevant semester, a suspension of enrolment may be recorded as *Withdrawn (W)* or *Discontinued Not To Count As Failure (DNF)* where that application is received within the time-frames specified by the University and published by the Student Centre, or where the student meets other conditions as specified by the faculty.

12.2 Where the candidate has previously had two semesters of suspension the application will be considered by the Board of Postgraduate Studies for the faculty.

13. Re-enrolment after an absence

13.1 A student must enrol in the semester following a period of approved suspension.

13.2 A student whose candidature has lapsed must apply for re-admission in accordance with procedures determined by the faculty.

14. Satisfactory progress

14.1 The faculty may

14.1.1 on the recommendation of the head of the discipline concerned, call upon any candidate to show cause why that candidature should not be terminated by reason of

unsatisfactory progress towards completion of either degree; and

14.1.2 where, in the opinion of the Faculty, the candidate does not show good cause, terminate the candidature.

15. Credit

15.1 Refer to *University of Sydney (Coursework) Rule 2000 (as amended)*, Division 3, Section 8 and the Board of Postgraduate Studies for the Faculties of Dentistry, Medicine and Pharmacy, *Academic Credit, Advanced Standing, and Exemption Policy*.

15.2 A candidate may receive credit, as recommended by the head of the School of Public Health, towards the requirements for the Master of Indigenous Health (Substance Use), the Graduate Diploma in Indigenous Health (Substance Use) or the Graduate Certificate in Indigenous Health (Substance Use) where:

15.2.1 before admission, the candidate has spent time in graduate study in the University of Sydney or another university, and

15.2.2 the candidate has completed coursework, within five years except with the permission of the dean, considered by the dean to be equivalent to work prescribed for the award course.

16. Time limits

16.1 A full-time candidate of the degree of Master of Indigenous Health (Substance Use) must complete the requirements for the degree not earlier than one year after the commencement of candidature and, except with the permission of the faculty on the recommendation of the head of the discipline concerned, not later than three years after commencement of candidature.

16.2 A full-time candidate of the Graduate Diploma in Indigenous Health (Substance Use) must complete the requirements for the degree not earlier than one year after the commencement of candidature and, except with the permission of the faculty on the recommendation of the head of the discipline concerned, not later than two years after commencement of candidature.

16.3 A full-time candidate of the Graduate Certificate in Indigenous Health (Substance Use) must complete the requirements for the degree not earlier than one semester after the commencement of candidature and, except with the permission of the faculty on the recommendation of the head of the discipline concerned, not later than three semesters after commencement of candidature.

17. Examination

17.1 The head of the School of Public Health shall report the result of the examination of the coursework and other work, if any, to the faculty which shall determine the results of the candidature.

Graduate Diploma in Infection and Immunity Graduate Certificate in Infection and Immunity

Resolutions of the Senate

1. Requirements for the Graduate Diploma in Infection and Immunity

1.1 To qualify for the award of the Graduate Diploma in Infection and Immunity a student must:

1.1.1 complete such units of study as may be prescribed by the Faculty on the recommendation of the head of the discipline concerned.

1.1.2 complete the specified number of credit points as detailed in the Resolutions of the Faculty of Medicine;

1.2 The head of the discipline concerned shall report the result of the examination of the coursework and other work, if any, to the Faculty which shall determine the results of the candidature.

2. Requirements for the Graduate Certificate in Infection and Immunity

2.1 To qualify for the award of the Graduate Certificate in Infection and Immunity a student must:

2.1.1 complete such units of study as may be prescribed by the Faculty on the recommendation of the head of the discipline concerned;

2.1.2 complete the specified number of credit points as detailed in the Resolutions of the Faculty of Medicine;

2.1.3 satisfy the requirements of all other relevant By-laws, Rules and Resolutions of the University.

- 2.2 The head of the discipline concerned shall report the result of the examination of the coursework and other work, if any, to the Faculty which shall determine the results of the candidature.

Resolutions of the Faculty

Graduate Diploma in Infection and Immunity

1. Eligibility for admission

- 1.1 Except as provided in Part 9, Section 47 of the *University of Sydney (Amendment Act) Rule 1999*, the Faculty may admit to candidature an applicant who holds any of the following from the University of Sydney or other approved universities: a Bachelor of Science; a Bachelor of Medicine or Bachelor of Medicine/Bachelor of Surgery; a Bachelor of Medical Science or Bachelor of Biomedical Sciences; a Bachelor of Veterinary Science; a Bachelor of Agricultural Science.

- 1.2 Candidates who hold equivalent qualifications in an appropriate discipline may also be eligible for admission, subject to approval by the Dean.

2. Availability

- 2.1 Admission to candidature may be limited by a quota. In determining the quota the Faculty will take into account:

- 2.1.1 availability of resources
2.1.2 availability of adequate and appropriate supervision.

- 2.2 In considering an application for admission the Dean will take into account the quota. Entry will be based on applicants who are most meritorious in terms of 1 above.

3. Method of progression

- 3.1 A candidate for the degree of Graduate Diploma in Infection and Immunity shall proceed by completing units of study as prescribed by the Faculty

- 3.2 A unit of study shall consist of lectures, tutorials, assignments, practical laboratory sessions and seminars.

- 3.3 In these resolutions, to complete a unit of study means:

- 3.3.1 to attend lectures, tutorials, practical sessions and seminars, if any
3.3.2 to satisfactorily complete written or web-based assignments and practical work, if any
3.3.3 to pass the written and practical examinations of the unit of study, if any.

4. Time limits

- 4.1 A full-time candidate shall complete the requirements for the Graduate Diploma in Infection and Immunity degree not earlier than the end of second semester and not later than the end of the sixth semester, unless otherwise determined by Faculty.

- 4.2 A part-time candidate shall complete the requirements for the Graduate Diploma in Infection and Immunity degree not earlier than the end of the fourth semester and not later than the end of the tenth semester, unless otherwise determined by Faculty.

5. Requirements for the Graduate Diploma in Infection and Immunity

- 5.1 Candidates for the Graduate Diploma in Infection and Immunity award shall successfully complete 36 credit points of coursework, comprised of the four core units of study (24 credit points), and two elective units of study (12 credit points).

6. Progress

- 6.1 The Dean may:

- 6.1.1 call upon any candidate to show cause why that candidature should not be terminated by reason of unsatisfactory progress towards the completion of the Graduate Diploma in Infection and Immunity degree, and

- 6.1.2 where the candidate does not show good cause, terminate the candidature.

- 6.1.3 A candidate who has completed the requirements but who has not qualified for the award of the degree of Graduate Diploma in Infection and Immunity may, upon the recommendation of the Head of Infectious Diseases and Immunology, be awarded the Graduate Certificate in Infection and Immunity.

7. Credit

- 7.1 A candidate who, before admission to candidature, has spent time in graduate study at the University of Sydney or another University and has completed coursework (within 5 years except with the permission of the Dean) considered by Faculty to be equivalent to courses prescribed by the degree, may receive

6 credit points towards the requirements for the Graduate Diploma in Infection and Immunity.

- 7.2 A candidate holding the Graduate Certificate in Infection and Immunity (University of Sydney) awarded within the past 5 years may receive up to 12 credit points and qualify for the Graduate Diploma degree by successfully completing an additional 12 credit points of coursework.

Graduate Certificate in Infection and Immunity

1. Eligibility for admission

- 1.1 Except as provided in Part 9, Section 47 of the *University of Sydney (Amendment Act) Rule 1999*, the Faculty may admit to candidature an applicant who holds any of the following from The University of Sydney or other approved universities: a Bachelor of Science; a Bachelor of Medicine or Bachelor of Medicine/Bachelor of Surgery; a Bachelor of Medical Science or Bachelor of Biomedical Sciences; a Bachelor of Veterinary Science; a Bachelor of Agricultural Science.

- 1.2 Candidates who hold equivalent qualifications in an appropriate discipline may also be eligible for admission, subject to approval by the Dean.

2. Availability

- 2.1 Admission to candidature may be limited by a quota. In determining the quota the Faculty will take into account:

- 2.1.1 availability of resources
2.1.2 availability of adequate and appropriate supervision.

- 2.2 In considering an application for admission the Dean will take into account the quota. Entry will be based on applicants who are most meritorious in terms of 1 above.

3. Method of progression

- 3.1 A candidate for the degree of Graduate Certificate in Infection and Immunity shall proceed by completing units of study as prescribed by the Faculty

- 3.2 A unit of study shall consist of lectures, tutorials, assignments, practical laboratory sessions and seminars.

- 3.3 In these resolutions, to complete a unit of study means:

- 3.3.1 to attend lectures, tutorials, practical sessions and seminars, if any
3.3.2 to satisfactorily complete written or web-based assignments and practical work, if any
3.3.3 to pass the written and practical examinations of the unit of study, if any.

4. Time limits

- 4.1 A full-time candidate shall complete the requirements for the Graduate Certificate in Infection and Immunity degree not earlier than the end of second semester and not later than the end of the sixth semester, unless otherwise determined by Faculty

- 4.2 A part-time candidate shall complete the requirements for the Graduate Certificate in Infection and Immunity degree not earlier than the end of the fourth semester and not later than the end of the tenth semester, unless otherwise determined by Faculty

5. Requirements for the Graduate Certificate in Infection and Immunity

- 5.2 Candidates for the Graduate Certificate in Infection and Immunity award shall successfully complete 24 credit points of coursework, comprised of the four core units of study.

6. Progress

- 6.1 The Dean may:

- 6.1.1 call upon any candidate to show cause why that candidature should not be terminated by reason of unsatisfactory progress towards the completion of the Graduate Certificate in Infection and Immunity degree, and

- 6.1.2 where the candidate does not show good cause, terminate the candidature.

7. Credit

- 7.1 A candidate who, before admission to candidature, has spent time in graduate study at the University of Sydney or another University and has completed coursework (within five years except with the permission of the Dean) considered by Faculty to be equivalent to courses prescribed by the degree, may receive 6 credit points towards the requirements for the Graduate Certificate in Infection and Immunity.

Master of International Ophthalmology Graduate Diploma in International Ophthalmology

Resolutions of the Senate

1. Requirements for the Master of International Ophthalmology

- 1.1 To qualify for the award of the Master of International Ophthalmology a student must:
- 1.1.1 complete successfully units of study giving credit for a total of 48 credit points; and
- 1.1.2 satisfy the requirements of all other relevant By-laws, Rules and Resolutions of the University.

2. Requirements for the Graduate Diploma in International Ophthalmology

- 2.1 To qualify for the award of the Graduate Diploma in International Ophthalmology a student must:
- 2.1.1 complete successfully units of study giving credit for a total of 36 credit points; and
- 2.1.2 satisfy the requirements of all other relevant by-laws, rules and resolutions of the University.

3. Requirements for the honours degree

- 3.1 To qualify for the award of the honours degree a student must complete the honours requirements published in the Faculty Resolutions relating to the course.

Resolutions of the Faculty

1. Admission

- 1.1 Except as provided in Part 9, section 47 of the University of Sydney (Amendment Act) Rule 1999, the Faculty may, on the recommendation of the Head of the Discipline of Clinical Ophthalmology and Eye Health, admit to candidature for the degree of Master of International Ophthalmology or the Graduate Diploma in International Ophthalmology, an applicant who holds:
- 1.1.1 a Bachelor of Medicine and Bachelor of Surgery from the University of Sydney or another approved institution, or
- 1.1.2 a qualification determined by the Faculty, on the recommendation of the Head of the Discipline of Clinical Ophthalmology and Eye Health, as equivalent to item 1.1.1.

2. Units of study

- 2.1 For details of units of study relating to the degree of Master of International Ophthalmology or the Graduate Diploma in International Ophthalmology refer to the Faculty Handbook.

3. Requirements for the award courses

- 3.1 To qualify for the degree of Master of International Ophthalmology or the Graduate Diploma in International Ophthalmology candidates must:
- 3.1.1 successfully complete such units of study as may be prescribed by the Faculty on the recommendation of the Head of the Discipline of Clinical Ophthalmology and Eye Health, and
- 3.1.2 satisfy the requirements of all other relevant by-laws, rules and resolutions of the University, and
- 3.1.3.1 enrol for and successfully complete units of study, covering material new to the candidate, giving credit for a total of 48 credit points to qualify for the degree of Master of International Ophthalmology, or
- 3.1.3.2 enrol for and successfully complete units of study, covering material new to the candidate, giving credit for a total of 36 credit points to qualify for the Graduate Diploma in International Ophthalmology.

4. Requirements for the award of honours

- 4.1 A candidate of the degree of Master of International Ophthalmology may be awarded the degree with honours at graduation where the candidate:
- 4.1.1 has enrolled for and successfully completed 48 credit points of coursework and 12 credit points of research resulting in a successfully completed dissertation; and
- 4.1.2 has obtained a weighted average mark of at least 70 per cent in the coursework component of the degree.
- 4.2 If a pass level degree of Master of International Ophthalmology has already been awarded, the testamur will be replaced by the honours level degree testamur after completing all honours requirements.

- 4.3 Not more than ten years shall have elapsed between a candidate being awarded the pass level degree of Master of International Ophthalmology and beginning requirements for the award of honours.

5. Award

- 5.1 The Graduate Diploma in International Ophthalmology shall all be awarded in one grade only, namely pass.
- 5.2 The degree of Master of International Ophthalmology shall all be awarded as a pass degree or with honours.
- 5.2.1 A candidate may be awarded the pass degree of Master of International Ophthalmology with merit at graduation where the candidate has achieved a minimum average mark of 75 per cent upon completion of all units.

6. Award of Graduate Diploma in International Ophthalmology

- 6.1 A candidate for the degree of Master of International Ophthalmology may apply for the award of the Graduate Diploma in International Ophthalmology if, in the opinion of the faculty and on the recommendation of the Head of the Discipline of Clinical Ophthalmology and Eye Health, the candidate fulfils the requirements in 3., and has completed work for that course equivalent to that required in 4.
- 6.2 Such a candidate shall thereupon cease to be a candidate for the previous award course.

7. Method of progression

- 7.1 A candidate for the degree shall proceed by enrolling and completing units of study as prescribed by the faculty.

8. Enrolment

- 8.1 A student must be enrolled in each semester in which he or she is actively completing the requirements for the award course.
- 8.2 The candidature of a student who has not re-enrolled and who has not obtained approval from the faculty for a suspension of candidature for the relevant semester will be deemed to have lapsed.

9. Restrictions on enrolment

- 9.1 Admission to candidature may be limited by a quota. In determining the quota the Faculty will take into account:
- 9.1.1 availability of resources
- 9.1.2 availability of adequate and appropriate supervision.
- 9.2 In considering an application for admission the dean will take into account the quota. Entry will be based on applicants who are most meritorious in terms of item 1.

10. Discontinuation of enrolment

- 10.1 A candidate who wishes to discontinue enrolment from the Master of International Ophthalmology or the Graduate Diploma in International Ophthalmology, must notify the faculty in writing and will be presumed to have discontinued enrolment from the date of that notification, unless evidence is produced showing:
- 10.1.1 that the discontinuation occurred at an earlier date; and
- 10.1.2 that there was good reason why the notification could not be made at the earlier time.
- 10.2 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 Student Centre, or where the student meets other conditions as specified by the faculty.

11. Suspension of candidature

- 11.1 A candidate who wishes to suspend their candidature must apply, in writing, to the faculty.
- 11.1.1 The application must be received by the faculty prior to the commencement of the relevant semester.
- 11.1.2 A candidate may only apply for a period of suspension for one semester at any one time. Should a candidate wish to suspend their candidature for more than one semester another application must be made to the faculty for each subsequent semester, prior to the commencement of the relevant semester.
- 11.1.3 Late applications may be considered at the faculty's discretion.
- 11.1.4 Where a student has previously enrolled for the relevant semester, a suspension of enrolment may be recorded as *Withdrawn (W)* or *Discontinued Not To Count As Failure (DNF)* where that application is received within the time-frames specified by the University and published by the Student Centre, or where the student meets other conditions as specified by the faculty.

11.2 Where the candidate has previously had two semesters of suspension the application will be considered by the Board of Postgraduate Studies for the faculty.

12. Re-enrolment after an absence

12.1 A student must enrol in the semester following a period of approved suspension.

12.2 A student whose candidature has lapsed must apply for re-admission in accordance with procedures determined by the faculty.

13. Satisfactory progress

13.1 The faculty may

13.1.1 on the recommendation of the head of the discipline concerned, call upon any candidate to show cause why that candidature should not be terminated by reason of unsatisfactory progress towards completion of either degree; and

13.1.2 where, in the opinion of the Faculty, the candidate does not show good cause, terminate the candidature.

14. Credit

14.1 Refer to *University of Sydney (Coursework) Rule 2000 (as amended)*, Division 3, Section 8 and the Board of Postgraduate Studies for the Faculties of Dentistry, Medicine and Pharmacy, *Academic Credit, Advanced Standing, and Exemption Policy*.

14.2 A candidate may receive credit, as recommended by the Head of the Discipline of Clinical Ophthalmology and Eye Health, towards the requirements for the Master of International Ophthalmology or the Graduate Diploma in International Ophthalmology where:

14.2.1 before admission, the candidate has spent time in graduate study in the University of Sydney or another university, and

14.2.2 the candidate has completed coursework, within five years except with the permission of the dean, considered by the dean to be equivalent to work prescribed for the award course.

15. Time limits

15.1 A full-time candidate of the degree of Master of International Ophthalmology must complete the requirements for the degree not earlier than one year after the commencement of candidature and, except with the permission of the Faculty on the recommendation of the head of the discipline concerned, not later than two years after commencement of candidature.

15.2 A part-time candidate of the degree of Master of International Ophthalmology must complete the requirements for the degree not earlier than two years after the commencement of candidature and, except with the permission of the Faculty on the recommendation of the head of the discipline concerned, not later than six years after commencement of candidature.

15.3 A full-time candidate of the Graduate Diploma in International Ophthalmology must complete the requirements for the degree not earlier than one year after the commencement of candidature and, except with the permission of the Faculty on the recommendation of the head of the discipline concerned, not later than two years after commencement of candidature.

15.4 A part-time candidate of the Graduate Diploma in International Ophthalmology must complete the requirements for the degree not earlier than three semesters after the commencement of candidature and, except with the permission of the Faculty on the recommendation of the head of the discipline concerned, not later than four years after commencement of candidature.

16. Examination

16.1 The Head of the Discipline of Clinical Ophthalmology and Eye Health shall report the result of the examination of the coursework and other work, if any, to the faculty which shall determine the results of the candidature.

Master of International Public Health Graduate Diploma in International Public Health

Resolutions of the Senate

1. Requirements for the Master of International Public Health

1.1 To qualify for the award of the Master of International Public Health a candidate must:

1.1.1 successfully complete such units of study as may be prescribed by the Faculty on the recommendation of the head of the discipline concerned;

1.1.2 enrol for and successfully complete units of study giving credit for a total of 48 credit points; and

1.1.3 satisfy the requirements of all other relevant By-laws, Rules and Resolutions of the University.

2. Requirements for the honours degree

2.1 To qualify for the award of the Master of International Public Health with honours a candidate must:

2.1.1 fulfil all of the requirements for the Master of International Public Health as outlined in section 1 of these resolutions; and

2.1.2 enrol for and successfully complete 48 credit points of coursework and 12 credit points of research resulting in a successfully completed dissertation; and

2.1.3 obtain a weighted average mark of at least 70 percent in the coursework component of the degree.

3. Requirements for the Graduate Diploma in International Public Health

3.1 To qualify for the award of the Graduate Diploma in International Public Health a candidate must:

3.1.1 successfully complete such units of study as may be prescribed by the Faculty on the recommendation of the head of the discipline concerned;

3.1.2 enrol for and successfully complete units of study giving credit for a total of 36 credit points; and

3.1.3 satisfy the requirements of all other relevant By-laws, Rules and Resolutions of the University.

3.2 The head of the School of Public Health shall report the result of the examination of the coursework and other work, if any, to the Faculty which shall determine the results of the candidature.

Resolutions of the Faculty

1. Admission

1.1 Except as provided for in Part 9, section 47 of the *University of Sydney (Amendment Act) Rule 1999 (as amended)*, the Faculty may, on the recommendation of the head of the School of Public Health, admit to candidature for the degree of Master of International Public Health an applicant who:

1.1.1 holds a degree from the University of Sydney for which the minimum time to qualify was at least four academic years, or

1.1.2 has passed a preliminary examination or examinations prescribed by the Faculty, unless exempted by the Faculty.

1.2 Except as provided for in Part 9, section 47 of the *University of Sydney (Amendment Act) Rule 1999 (as amended)*, the Faculty may, on the recommendation of the head of the School of Public Health, admit to candidature for the Graduate Diploma in International Public Health an applicant who:

1.2.1 holds a degree from the University of Sydney or of another university or academic institution approved by the Faculty and has completed units of study acceptable to the head of the School of Public Health, or

1.2.2 has obtained such qualifications and completed such units of study as are acceptable to the Faculty of Medicine and the Academic Board; or

1.2.3 furnishes such evidence of special fitness to enter upon systematic units of study in international public health as is acceptable to the Faculty.

1.3 An applicant for admission to candidature shall have held the qualification on the basis of which admission is sought for at least one year prior to the commencement of candidature.

2. Units of study

- 2.1 For unit of study details relating to the degree of Master of International Public Health and the Graduate Diploma in International Public Health refer to the Faculty Handbook.

3. Requirements for the award courses

- 3.1 To qualify for the degree of Master of International Public Health candidates must:

3.1.1 successfully complete such units of study within the general area of international public health and as may be prescribed by the Faculty on the recommendation of the head of the School of Public Health, and

3.1.2 enrol in and successfully complete units of study giving credit for a total of 48 credit points, and

3.1.3 satisfy the requirements of all other relevant By-Laws, Rules and Resolutions of the University.

- 3.2 To qualify for the degree of Graduate Diploma in International Public Health candidates must:

3.2.1 successfully complete such units of study within the general area of international public health and as may be prescribed by the Faculty on the recommendation of the head of the School of Public Health, and

3.2.2 enrol in and successfully complete units of study giving credit for a total of 36 credit points, and

3.2.3 satisfy the requirements of all other relevant By-Laws, Rules and Resolutions of the University.

4. Requirements for the award of honours

- 4.1 A candidate of the degree of Master of International Public Health may be awarded the degree with honours at graduation where the candidate:

4.1.1 has enrolled for and successfully completed 48 credit points of coursework and 12 credit points of research resulting in a successfully completed dissertation; and

4.1.2 has obtained a weighted average mark of at least 70 per cent in the coursework component of the degree.

- 4.2 If a pass level degree of Master of International Public Health has already been awarded, the testamur will be replaced by the honours level degree testamur after completing all honours requirements.

- 4.3 Not more than ten years shall have elapsed between a candidate being awarded the pass level degree of Master of International Public Health and beginning requirements for the award of honours.

5. Award

- 5.1 The Graduate Diploma in International Public Health shall all be awarded in one grade only, namely pass.

- 5.2 The degree of Master of International Public Health shall all be awarded as a pass degree or with honours.

5.2.1 A candidate may be awarded the pass degree of Master of International Public Health with merit at graduation where the candidate has achieved a minimum average mark of 75 per cent upon completion of all units.

6. Method of progression

- 6.1 A candidate of the Graduate Diploma in International Public Health shall proceed by coursework.

- 6.2 A candidate of the degree of Master of International Public Health shall proceed by coursework or coursework and dissertation.

- 6.3 A candidate of the degree of Master of International Public Health must achieve a minimum weighted average mark of 70 per cent in the first 24 credit points of coursework to proceed by coursework and dissertation.

6.3.1 A candidate of the degree of Master of International Public Health proceeding by coursework and dissertation must write a dissertation on a supervised project approved by the head of the School of Public Health and lodge with the School of Public Health three copies of this dissertation, typewritten and bound according to University requirements.

7. Enrolment

- 7.1 A student must be enrolled in each semester in which he or she is actively completing the requirements for the award course.

- 7.2 The candidature of a student who has not re-enrolled and who has not obtained approval from the Faculty for a suspension of candidature for the relevant semester will be deemed to have lapsed.

8. Suspension of candidature

- 8.1 A candidate who wishes to suspend their candidature must apply, in writing, to the Faculty.

8.1.1 The application must be received by the Faculty prior to the commencement of the relevant semester.

8.1.2 A candidate may only apply for a period of suspension for one semester at any one time. Should a candidate wish to suspend their candidature for more than one semester another application must be made to the Faculty for each subsequent semester, prior to the commencement of the relevant semester.

8.1.3 Late applications may be considered at the Faculty's discretion.

8.1.4 Where a student has previously enrolled for the relevant semester, a suspension of enrolment may be recorded as Withdrawn (W) or Discontinued Not To Count As Failure (DNF) where that application is received within the time-frames specified by the University and published by the Student Centre, or where the student meets other conditions as specified by the Faculty.

- 8.2 Where the candidate has previously had two semesters of suspension the application will be considered by the Board of Postgraduate Studies for the Faculty.

9. Re-enrolment after an absence

- 9.1 A student must enrol in the semester following a period of approved suspension.

- 9.2 A student whose candidature has lapsed must apply for re-admission in accordance with procedures determined by the Faculty.

10. Credit

- 10.1 Refer to *University of Sydney (Coursework) Rule 2000 (as amended)*, Division 3, Section 8 and the Board of Postgraduate Studies for the Faculties of Dentistry, Medicine and Pharmacy, Academic Credit, Advanced Standing, and Exemption Policy.

11. Time limits

11.1 A full-time candidate for the degree of Master of International Public Health shall complete the requirements for the degree not earlier than two semesters after the commencement of candidature and not later than the end of the sixth semester of candidature, except with the permission of the Faculty on the recommendation of the head of the School of Public Health.

11.2 A part-time candidate for the degree of Master of International Public Health shall complete the requirements for the degree not earlier than four semesters after the commencement of candidature and not later than the end of the eighth semester of candidature, except with the permission of the Faculty on the recommendation of the head of the School of Public Health.

11.3 A full-time candidate for the Graduate Diploma in International Public Health shall complete the requirements for the degree not earlier than two semesters after the commencement of candidature and not later than the end of the fourth semester of candidature, except with the permission of the Faculty on the recommendation of the head of the School of Public Health.

11.4 A part-time candidate for the Graduate Diploma in International Public Health shall complete the requirements for the degree not earlier than four semesters after the commencement of candidature and not later than the end of the sixth semester of candidature, except with the permission of the Faculty on the recommendation of the head of the School of Public Health.

12. Examination

12.1 The head of the School of Public Health shall report the result of the examination of the coursework and other work, if any, to the Faculty which shall determine the results of the candidature.

12.2 For examination of the dissertation component of the degree of Master of International Public Health:

12.2.1 the head of the School of Public Health shall appoint at least two examiners for the dissertation, of whom at least one shall be an internal examiner, and

12.2.2 the reports of the examiners shall be transmitted to the head of the School of Public Health who shall make a recommendation concerning award of the degree, and

12.2.3 the Faculty shall determine the result of the candidature.

Master of Medical Education Graduate Diploma in Medical Education Graduate Certificate in Medical Education

Resolutions of the Senate

1. Requirements for the Master of Medical Education

- 1.1 To qualify for the award of the Master of Medical Education a candidate must:
- 1.1.1 successfully complete such units of study as may be prescribed by the Faculty on the recommendation of the head of the discipline concerned;
- 1.1.2 enrol for and successfully complete units of study giving credit for a total of 48 credit points; and
- 1.1.3 satisfy the requirements of all other relevant By-laws, Rules and Resolutions of the University.
- 1.2 The head of the discipline concerned shall report the result of the examination of the coursework and other work, if any, to the Faculty which shall determine the results of the candidature.

2. Requirements for the Graduate Diploma in Medical Education

- 2.1 To qualify for the award of the Graduate Diploma in Medical Education a candidate must:
- 2.1.1 successfully complete such units of study as may be prescribed by the Faculty on the recommendation of the head of the discipline concerned;
- 2.1.2 enrol for and successfully complete units of study giving credit for a total of 36 credit points; and
- 2.1.3 satisfy the requirements of all other relevant By-laws, Rules and Resolutions of the University.
- 2.2 The head of the discipline concerned shall report the result of the examination of the coursework and other work, if any, to the Faculty which shall determine the results of the candidature.

3. Requirements for the Graduate Certificate in Medical Education

- 3.1 To qualify for the award of the Graduate Certificate in Medical Education a candidate must:
- 3.1.1 successfully complete such units of study as may be prescribed by the Faculty on the recommendation of the head of the discipline concerned;
- 3.1.2 enrol for and successfully complete units of study giving credit for a total of 24 credit points; and
- 3.1.3 satisfy the requirements of all other relevant By-laws, Rules and Resolutions of the University.
- 3.2 The head of the discipline concerned shall report the result of the examination of the coursework and other work, if any, to the Faculty which shall determine the results of the candidature.

Resolutions of the Faculty

1. Admission

- 1.1 Except as provided for in Part 9, section 47 of the *University of Sydney (Amendment Act) Rule 1999 (as amended)*, the Faculty will normally, on the recommendation of the head of the associated discipline, admit to candidature for the Master of Medical Education an applicant who:
- 1.1.1 is a graduate of the University of Sydney or another recognised institution, as provided for in University of Sydney By-Laws, and
- 1.1.2 has completed an undergraduate degree at a standard acceptable to the Faculty; or
- 1.1.3 has completed the Graduate Diploma in Medical Education or its equivalent.
- 1.2 Except as provided for in Part 9, section 47 of the *University of Sydney (Amendment Act) Rule 1999 (as amended)*, the Faculty will normally, on the recommendation of the head of the associated discipline, admit to candidature for the Graduate Diploma in Medical Education an applicant who:
- 1.2.1 is a graduate of the University of Sydney or another recognised institution, as provided for in University of Sydney By-Laws, and
- 1.2.2 has completed an undergraduate degree at a standard acceptable to the Faculty; or
- 1.2.3 has completed the Graduate Certificate in Medical Education or its equivalent.

- 1.3 Except as provided for in Part 9, section 47 of the *University of Sydney (Amendment Act) Rule 1999 (as amended)*, the Faculty will normally, on the recommendation of the head of the associated discipline, admit to candidature for the Graduate Certificate in Medical Education an applicant who:

- 1.3.1 is a graduate of the University of Sydney or another recognised institution, as provided for in University of Sydney By-Laws, and
- 1.3.2 has completed an undergraduate degree at a standard acceptable to the Faculty; or
- 1.3.3 has equivalent professional experience in a relevant field.

2. Units of study

- 2.1 For unit of study details relating to the degree of Master of Medical Education, the Graduate Diploma in Medical Education and the Graduate Certificate in Medical Education refer to the Faculty Handbook.

3. Requirements for the degree, diploma and certificate

- 3.1 To be eligible for the award of the Master of Medical Education, a candidate must:
- 3.1.1 successfully complete such units of study as may be prescribed by the Faculty on the associated discipline, and
- 3.1.2 enrol in and successfully complete units of study giving credit for a total of 48 credit points, and
- 3.1.3 satisfy the requirements of all other relevant By-Laws, Rules and Resolutions of the University.
- 3.2 To be eligible for the award of the Graduate Diploma in Medical Education, a candidate must:
- 3.2.1 successfully complete such units of study as may be prescribed by the Faculty on the associated discipline, and
- 3.2.2 enrol in and successfully complete units of study giving credit for a total of 36 credit points, and
- 3.2.3 satisfy the requirements of all other relevant By-Laws, Rules and Resolutions of the University.
- 3.3 To be eligible for the award of the Graduate Certificate in Medical Education, a candidate must:
- 3.3.1 successfully complete such units of study as may be prescribed by the Faculty on the associated discipline, and
- 3.3.2 enrol in and successfully complete units of study giving credit for a total of 24 credit points, and
- 3.3.3 satisfy the requirements of all other relevant By-Laws, Rules and Resolutions of the University.

4. Award of the master, graduate diploma and graduate certificate

- 4.1 The Master of Medical Education and the Graduate Diploma in Medical Education and Graduate Certificate in Medical Education shall be awarded in one grade only, namely pass.

5. Method of progression

- 5.1 A candidate for the degree of Master of Medical Education shall proceed by coursework, with provision for a maximum of two independent study units.
- 5.2 A candidate for the graduate diploma or graduate certificate shall proceed solely by coursework.
- 5.3 Enrolment in units additional to course requirements is subject to Faculty permission.

6. Enrolment

- 6.1 A student must be enrolled in each semester in which he or she is actively completing the requirements for the award course.
- 6.2 The candidature of a student who has not re-enrolled and who has not obtained approval from the Faculty for a suspension of candidature for the relevant semester will be deemed to have lapsed.

7. Restrictions on enrolment

- 7.1 Admission to candidature may be limited by a quota. In determining the quota the Faculty will take into account:
- 7.1.1 availability of resources
- 7.1.2 availability of adequate and appropriate supervision.
- 7.2 In considering an application for admission the dean will take into account the quota. Entry will be based on applicants who are most meritorious in terms of item 1.

8. Discontinuation of enrolment

- 8.1 A candidate who wishes to discontinue enrolment from the Master of Medical Education, Graduate Diploma in Medical Education or the Graduate Certificate in Medical Education, must notify the faculty in writing and will be presumed to have discontinued enrolment from the date of that notification, unless evidence is produced showing:

- 8.1.1 that the discontinuation occurred at an earlier date; and
- 8.1.2 that there was good reason why the notification could not be made at the earlier time.
- 8.2 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 Student Centre, or where the student meets other conditions as specified by the faculty.
- 9. Suspension of candidature**
- 9.1 A candidate who wishes to suspend their candidature must apply, in writing, to the Faculty.
- 9.1.1 The application must be received by the Faculty prior to the commencement of the relevant semester.
- 9.1.2 A candidate may only apply for a period of suspension for one semester at any one time. Should a candidate wish to suspend their candidature for more than one semester another application must be made to the Faculty for each subsequent semester, prior to the commencement of the relevant semester.
- 9.1.3 Late applications may be considered at the Faculty's discretion.
- 9.1.4 Where a student has previously enrolled for the relevant semester, a suspension of enrolment may be recorded as *Withdrawn (W)* or *Discontinued Not To Count As Failure (DNF)* where that application is received within the time-frames specified by the University and published by the Student Centre, or where the student meets other conditions as specified by the Faculty.
- 9.2 Where the candidate has previously had two semesters of suspension the application will be considered by the Board of Postgraduate Studies for the Faculty.
- 10. Re-enrolment after an absence**
- 10.1 A student must enrol in the semester following a period of approved suspension.
- 10.2 A student whose candidature has lapsed must apply for re-admission in accordance with procedures determined by the Faculty.
- 11. Satisfactory progress**
- 11.1 The faculty requires students to demonstrate satisfactory progress with their studies as set out in the current relevant University policy on progression.
- 12. Credit**
- 12.1 Refer to *University of Sydney (Coursework) Rule 2000 (as amended)*, Division 3, Section 8 and the Board of Postgraduate Studies for the Faculties of Dentistry, Medicine and Pharmacy, *Academic Credit, Advanced Standing, and Exemption Policy*.
- 13. Time limits**
- 13.1 A full-time candidate for the degree of Master of Medical Education shall complete the requirements for the degree not earlier than two semesters after the commencement of candidature and not later than the end of the fourth semester of candidature, except with the permission of the Faculty on the recommendation of the head of the discipline.
- 13.2 A part-time candidate for the degree of Master of Medical Education shall complete the requirements for the degree not earlier than two semesters after the commencement of candidature and not later than the end of the eighth semester of candidature, except with the permission of the Faculty on the recommendation of the head of the discipline.
- 13.3 A full-time candidate for the Graduate Diploma in Medical Education shall complete the requirements for the degree not earlier than two semesters after the commencement of candidature and not later than the end of the two semester of candidature, except with the permission of the Faculty on the recommendation of the head of the discipline.
- 13.4 A part-time candidate for the Graduate Diploma in Medical Education shall complete the requirements for the degree not earlier than two semesters after the commencement of candidature and not later than the end of the sixth semester of candidature, except with the permission of the Faculty on the recommendation of the head of the discipline.
- 13.5 A full-time candidate for the Graduate Certificate in Medical Education shall complete the requirements for the degree not earlier than one semester after the commencement of candidature and not later than the end of the one semester of candidature, except with the permission of the Faculty on the recommendation of the head of the discipline.

- 13.6 A part-time candidate for the Graduate Certificate in Medical Education shall complete the requirements for the degree not earlier than one semester after the commencement of candidature and not later than the end of the fourth semester of candidature, except with the permission of the Faculty on the recommendation of the head of the discipline.

14. Examination

- 14.1 The Program Coordinator shall be responsible for overseeing assessment in all units counted towards the degree of Master of Medical Education, the Graduate Diploma in the Medical Education and the Graduate Certificate in Medical Education.
- 14.2 The Program Coordinator shall report the result of the examination of the coursework and other work, if any, to the Faculty which shall determine the results of the candidature.

Master of Medical Humanities Graduate Diploma in Medical Humanities Graduate Certificate in Medical Humanities

Resolutions of the Senate

1. Requirements for the Master of Medical Humanities

- 1.1 To qualify for the award of the Master of Medical Humanities a student must:
- 1.1.1 complete successfully units of study giving credit for a total of 48 credit points; and
- 1.1.2 complete successfully units of study giving credit for a total of 48 credit points; and

2. Requirements for the Graduate Diploma in Medical Humanities

- 2.1 To qualify for the award of the Graduate Diploma in Medical Humanities a student must:
- 2.1.1 complete successfully units of study giving credit for a total of 36 credit points; and
- 2.1.2 satisfy the requirements of all other relevant By-laws, rules and resolutions of the University.

3. Requirements for the Graduate Certificate in Medical Humanities

- 3.1 To qualify for the award of the Graduate Certificate in Medical Humanities a student must:
- 3.1.1 complete successfully units of study giving credit for a total of 24 credit points; and
- 3.1.2 satisfy the requirements of all other relevant By-laws, rules and resolutions of the University.

Resolutions of the Faculty

1. Admission

- 1.1 Except as provided in Part 9, section 47 of the University of Sydney (Amendment Act) Rule 1999 (as amended), the Faculty may, on the recommendation of the head of the relevant discipline, admit to candidature for:
- 1.1.1 the degree of Master of Medical Humanities an applicant who:
- 1.1.1.1 holds a degree from the University of Sydney, or another recognised institution as provided for in University of Sydney By-laws, and
- 1.1.1.2 has completed a bachelor's degree at a standard acceptable to the faculty, or
- 1.1.1.3 has completed requirements for the Graduate Diploma in Medical Humanities;
- 1.1.2 the Graduate Diploma in Medical Humanities an applicant who:
- 1.1.2.1 holds a degree from the University of Sydney, or another recognised institution as provided for in University of Sydney By-laws, and
- 1.1.2.2 has completed a bachelor's degree at a standard acceptable to the faculty, or
- 1.1.2.3 has completed requirements for the Graduate Certificate in Medical Humanities;
- 1.1.3 the Graduate Certificate in Medical Humanities an applicant who:
- 1.1.3.1 holds a degree from the University of Sydney, or another recognised institution as provided for in University of Sydney By-Laws, and

1.1.3.2 has completed a bachelor's degree at a standard acceptable to the faculty

2. Units of study

2.1 For details of units of study relating to the degree of Master of Medical Humanities, the Graduate Diploma in Medical Humanities or the Graduate Certificate in Medical Humanities refer to the Faculty Handbook.

3. Requirements for the award courses

3.1 To qualify for the degree of Master of Medical Humanities, the Graduate Diploma in Medical Humanities or the Graduate Certificate in Medical Humanities candidates must:

3.1.1 successfully complete such units of study as may be prescribed by the Faculty on the recommendation of the Head of the relevant discipline, and

3.1.2 satisfy the requirements of all other relevant by-laws, rules and resolutions of the University, and

3.1.3.1 enrol for and successfully complete units of study, covering material new to the candidate, giving credit for a total of 48 credit points to qualify for the degree of Master of Medical Humanities, or

3.1.3.2 enrol for and successfully complete units of study, covering material new to the candidate, giving credit for a total of 36 credit points to qualify for the Graduate Diploma in Medical Humanities, or

3.1.3.3 enrol for and successfully complete units of study, covering material new to the candidate, giving credit for a total of 24 credit points to qualify for the Graduate Certificate in Medical Humanities.

4. Award

4.1 The Master of Medical Humanities, Graduate Diploma in Medical Humanities and the Graduate Certificate in Medical Humanities shall all be awarded in one grade only, namely pass.

4.2 A candidate may be awarded the pass degree of Master of Medical Humanities with merit at graduation where the candidate has achieved a minimum average mark of 75 per cent upon completion of all units.

5. Award of Graduate Certificate in Medical Humanities

5.1 A candidate for the degree of Master of Medical Humanities or the Graduate Diploma in Medical Humanities may apply for the award of the Graduate Certificate in Medical Humanities if, in the opinion of the faculty and on the recommendation of the head of the relevant discipline, the candidate fulfils the requirements in 3., and has completed work for that course equivalent to that required in 4.

5.2 Such a candidate shall thereupon cease to be a candidate for the previous award course.

6. Award of Graduate Diploma in Medical Humanities

6.1 A candidate for the degree of Master of Medical Humanities may apply for the award of the Graduate Diploma in Medical Humanities if, in the opinion of the faculty and on the recommendation of the Head of the relevant discipline, the candidate fulfils the requirements in 3., and has completed work for that course equivalent to that required in 4.

6.2 Such a candidate shall thereupon cease to be a candidate for the previous award course.

7. Method of progression

7.1 A candidate for the degree shall proceed by enrolling and completing units of study as prescribed by the faculty.

8. Enrolment

8.1 A student must be enrolled in each semester in which he or she is actively completing the requirements for the award course.

8.2 The candidature of a student who has not re-enrolled and who has not obtained approval from the faculty for a suspension of candidature for the relevant semester will be deemed to have lapsed.

9. Restrictions on enrolment

9.1 Admission to candidature may be limited by a quota. In determining the quota the Faculty will take into account:

9.1.1 availability of resources

9.1.2 availability of adequate and appropriate supervision.

9.2 In considering an application for admission the dean will take into account the quota. Entry will be based on applicants who are most meritorious in terms of item 1.

10. Discontinuation of enrolment

10.1 A candidate who wishes to discontinue enrolment from the Master of Medical Humanities, Graduate Diploma in Medical Humanities or the Graduate Certificate in Medical Humanities, must notify the faculty in writing and will be presumed to have discontinued enrolment from the date of that notification, unless evidence is produced showing:

10.1.1 that the discontinuation occurred at an earlier date; and

10.1.2 that there was good reason why the notification could not be made at the earlier time.

10.2 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 Student Centre, or where the student meets other conditions as specified by the faculty.

11. Suspension of candidature

11.1 A candidate who wishes to suspend their candidature must apply, in writing, to the faculty.

11.1.1 The application must be received by the faculty prior to the commencement of the relevant semester.

11.1.2 A candidate may only apply for a period of suspension for one semester at any one time. Should a candidate wish to suspend their candidature for more than one semester another application must be made to the faculty for each subsequent semester, prior to the commencement of the relevant semester.

11.1.3 Late applications may be considered at the faculty's discretion.

11.1.4 Where a student has previously enrolled for the relevant semester, a suspension of enrolment may be recorded as *Withdrawn (W)* or *Discontinued Not To Count As Failure (DNF)* where that application is received within the time-frames specified by the University and published by the Student Centre, or where the student meets other conditions as specified by the faculty.

11.2 Where the candidate has previously had two semesters of suspension the application will be considered by the Board of Postgraduate Studies for the faculty.

12. Re-enrolment after an absence

12.1 A student must enrol in the semester following a period of approved suspension.

12.2 A student whose candidature has lapsed must apply for re-admission in accordance with procedures determined by the faculty.

13. Satisfactory progress

13.1 The faculty may

13.1.1 on the recommendation of the head of the discipline concerned, call upon any candidate to show cause why that candidature should not be terminated by reason of unsatisfactory progress towards completion of either degree; and

13.1.2 where, in the opinion of the Faculty, the candidate does not show good cause, terminate the candidature.

14. Credit

14.1 Refer to *University of Sydney (Coursework) Rule 2000 (as amended)*, Division 3, Section 8 and the Board of Postgraduate Studies for the Faculties of Dentistry, Medicine and Pharmacy, *Academic Credit, Advanced Standing, and Exemption Policy*.

14.2 A candidate may receive credit, as recommended by the Head of the relevant discipline, towards the requirements for the Master of Medical Humanities, the Graduate Diploma in Medical Humanities or the Graduate Certificate in Medical Humanities where:

14.2.1 before admission, the candidate has spent time in graduate study in the University of Sydney or another university, and

14.2.2 the candidate has completed coursework, within five years except with the permission of the dean, considered by the dean to be equivalent to work prescribed for the award course.

15. Time limits

15.1 A full-time candidate of the degree of Master of Medical Humanities must complete the requirements for the degree not earlier than one year after the commencement of candidature and, except with the permission of the Faculty on the recommendation of the head of the discipline concerned, not later than two years after commencement of candidature.

- 15.2 A part-time candidate of the degree of Master of Medical Humanities must complete the requirements for the degree not earlier than two years after the commencement of candidature and, except with the permission of the Faculty on the recommendation of the head of the discipline concerned, not later than six years after commencement of candidature.
- 15.3 A full-time candidate of the Graduate Diploma in Medical Humanities must complete the requirements for the degree not earlier than one year after the commencement of candidature and, except with the permission of the Faculty on the recommendation of the head of the discipline concerned, not later than two years after commencement of candidature.
- 15.4 A part-time candidate of the Graduate Diploma in Medical Humanities must complete the requirements for the degree not earlier than 3 semesters after the commencement of candidature and, except with the permission of the Faculty on the recommendation of the head of the discipline concerned, not later than four years after commencement of candidature.
- 15.5 A full-time candidate of the Graduate Certificate in Medical Humanities must complete the requirements for the degree not earlier than one semester after the commencement of candidature and, except with the permission of the Faculty on the recommendation of the head of the discipline concerned, not later than two years after commencement of candidature.
- 15.6 A part-time candidate of the Graduate Certificate in Medical Humanities must complete the requirements for the degree not earlier than one year after the commencement of candidature and, except with the permission of the Faculty on the recommendation of the head of the discipline concerned, not later than four years after commencement of candidature.
- 16. Examination**
- 16.1 The Head of the relevant discipline shall report the result of the examination of the coursework and other work, if any, to the faculty which shall determine the results of the candidature.

Master of Medicine
 Master of Science in Medicine
 Graduate Diploma in Medicine
 Graduate Diploma of Science in Medicine

Resolutions of the Senate

- 1. Requirements for the Master of Medicine, Master of Science in Medicine**
- 1.1 To qualify for the award of the Master of Medicine or the Master of Science in Medicine a student must:
- 1.1.1 complete such units of study and such treatise or dissertation as may be prescribed by the Faculty on the recommendation of the head of the discipline concerned;
- 1.1.2 complete the specified number of credit points as detailed in the Resolutions of the Faculty of Medicine;
- 1.1.3 satisfy the requirements of all other relevant By-laws, Rules and Resolutions of the University.
- 1.2 The head of the discipline concerned shall report the result of the examination of the coursework and treatise or dissertation and other work, if any, to the Faculty which shall determine the results of the candidature.
- 2. Specialisations, streams or majors**
- 2.1 A candidate for the Master of Medicine or Master of Science in Medicine shall proceed:
- 2.1.1 by coursework and treatise; or
- 2.1.2 by coursework and dissertation; or
- 2.1.3 by coursework only.
- 2.2 The degree of Master of Medicine or Master of Science in Medicine by coursework and treatise shall be awarded in the following specialities:
- 2.2.1 Ophthalmic Science
- 2.2.2 Psychotherapy
- 2.2.3 Reproductive Health Sciences and Human Genetics
- 2.2.4 Sexually Transmitted Diseases/HIV
- 2.2.5 Sleep Medicine
- 2.3 The degree of Master of Medicine by coursework and dissertation or by coursework only shall be awarded in the following specialities:
- 2.3.1 Clinical Epidemiology

- 2.3.2 Dermatology
- 2.3.3 Infection and Immunity
- 2.3.4 Interdisciplinary Medicine
- 2.3.5 Paediatric Medicine
- 2.3.6 Pain Management
- 2.3.7 Refractive Surgery
- 2.3.8 Renal Medicine
- 2.4 The degree of Master of Science in Medicine by coursework and dissertation or by coursework only shall be awarded in the following specialities:
- 2.4.1 Clinical Epidemiology
- 2.4.2 Infection and Immunity
- 2.4.3 Pain Management
- 2.5 The testamur for the degree shall specify in parentheses the speciality in which the degree is awarded.
- 3. Requirements for the honours degree**
- 3.1 A candidate of the Master of Medicine or Master of Science in Medicine may be awarded the degree with honours at graduation where the candidate:
- 3.1.1 is enrolled in one of the following specialities:
- 3.1.1.1 Clinical Epidemiology
- 3.1.1.2 Dermatology
- 3.1.1.3 Infection and Immunity
- 3.1.1.4 Interdisciplinary Medicine
- 3.1.1.5 Paediatric Medicine
- 3.1.1.6 Pain Management
- 3.1.1.7 Refractive Surgery
- 3.1.1.8 Renal Medicine; and
- 3.1.2 has enrolled for and successfully completed 48 credit points of coursework and 12 credit points of research resulting in a successfully completed dissertation; and
- 3.1.3 has obtained a weighted average mark of at least 70 percent in the coursework component of the degree.
- 4. Requirements for the Graduate Diploma of Medicine, Graduate Diploma of Science in Medicine**
- 4.1 To qualify for the award of the Graduate Diploma of Medicine or the Graduate Diploma of Science in Medicine a student must:
- 4.1.1 complete such units of study as may be prescribed by the Faculty on the recommendation of the head of the discipline concerned.
- 4.1.2 complete the specified number of credit points as detailed in the Resolutions of the Faculty of Medicine;
- 4.1.3 satisfy the requirements of all other relevant By-laws, Rules and Resolutions of the University.
- 4.2 The head of the discipline concerned shall report the result of the examination of the coursework and other work, if any, to the Faculty which shall determine the results of the candidature.
- 5. Specialisations, streams or majors**
- 5.1 The Graduate Diploma in Medicine shall be awarded in the following specialities:
- 5.1.1 Clinical Epidemiology
- 5.1.2 Dermatology
- 5.1.3 Interdisciplinary Medicine
- 5.1.4 Ophthalmic Science
- 5.1.5 Paediatric Medicine
- 5.1.6 Pain Management
- 5.1.7 Refractive Surgery
- 5.1.8 Renal Medicine
- 5.1.9 Sexually Transmitted Diseases/HIV
- 5.1.10 Sleep Medicine
- 5.2 The Graduate Diploma of Science in Medicine shall be awarded in the following specialities:
- 5.2.1 Clinical Epidemiology
- 5.2.2 Ophthalmic Science
- 5.2.3 Pain Management
- 5.2.4 Sexually Transmitted Diseases/HIV
- 5.2.5 Sleep Medicine
- 5.3 The certificate for the diploma shall specify in parentheses the speciality in which the diploma is awarded.

Resolutions of the Faculty

Master of Medicine
 Master of Science in Medicine

1. Admission

1.1 Except as provided in Part 9, section 47 of the *University of Sydney (Amendment Act) Rule 1999*, the Faculty of Medicine may, on the recommendation of the head of a discipline in the Faculty:

1.1.1 admit to candidature for the degree of Master of Medicine:

1.1.1.1 an applicant who holds the degrees of Bachelor of Medicine and Bachelor of Surgery of the University of Sydney;

1.1.1.2 and in the case of the specialty of Refractive Surgery, who:

1.1.1.2.1 is eligible to undertake a subspecialty fellowship in their final year of accredited training having completed all the requirements of the Royal Australian and New Zealand College of Ophthalmologists or equivalent body; or

1.1.1.2.2 is registered by their state, territory or country to practice ophthalmology; and

1.1.1.2.3 has appropriate medical indemnity;

1.1.2 admit to candidature for the degree of Master of Science in Medicine:

1.1.2.1 an applicant who holds the degree of bachelor with first or second class honours, or

1.1.2.2 an applicant who holds the degree of bachelor of the University of Sydney without first or second class honours and who has completed equivalent work or passed a preliminary examination or examinations as prescribed by the Faculty.

2. Method of Progression

1.1.2.1 an applicant who holds the degree of bachelor with first or second class honours, or

2.1 A candidate for the Master of Medicine or Master of Science in Medicine shall proceed by either:

2.1.1 coursework and treatise; or

2.1.2 coursework and dissertation; or

2.1.3 coursework only.

2.2 A candidate shall proceed by successfully completing units of study as prescribed by the faculty.

2.3 Successful completion of a unit of study requires candidates to:

2.3.1 formally enrol in the unit of study and pay associated tuition fees, if any; and

2.3.2 attend lectures, tutorials, practical sessions, seminars, Web forums or conduct research, if any; and

2.3.3 satisfactorily complete assignments, practical work, treatise or dissertation, if any; and

2.3.4 pass the written and practical examinations of the unit of study, if any.

2.4 Where approved, in addition to campus-based learning, the Master of Medicine or Master of Science in Medicine may be delivered by distance learning.

2.5 The degree of Master of Medicine by coursework and treatise shall be awarded in the following streams:

2.5.1 Ophthalmic Science

2.5.2 Psychotherapy

2.5.3 Reproductive Health Sciences and Human Genetics

2.5.4 Sexually Transmitted Diseases/HIV

2.5.5 Sleep Medicine

2.6 The degree of Master of Science in Medicine by coursework and treatise shall be awarded in the following streams:

2.6.1 Ophthalmic Science

2.6.2 Psychotherapy

2.6.3 Reproductive Health Sciences and Human Genetics

2.6.4 Sexually Transmitted Diseases/HIV

2.6.5 Sleep Medicine

2.7 The degree of Master of Medicine by coursework and dissertation shall be awarded in the following streams:

2.7.1 Clinical Epidemiology

2.7.2 Dermatology

2.7.3 Infection and Immunity

2.7.4 Interdisciplinary Medicine

2.7.5 Paediatric Medicine

2.7.6 Pain Management

2.7.7 Refractive Surgery

2.7.8 Renal Medicine

2.8 The degree of Master of Science in Medicine by coursework and dissertation shall be awarded in the following streams:

2.8.1 Clinical Epidemiology

2.8.2 Infection and Immunity

2.8.3 Pain Management

2.9 The degree of Master of Medicine by coursework only shall be awarded in the following streams:

2.9.1 Clinical Epidemiology

2.9.2 Dermatology

2.9.3 Infection and Immunity

2.9.4 Interdisciplinary Medicine

2.9.5 Paediatric Medicine

2.9.6 Pain Management

2.9.7 Refractive Surgery

2.9.8 Renal Medicine

2.10 The degree of Master of Science in Medicine by coursework only shall be awarded in the following streams:

2.10.1 Clinical Epidemiology

2.10.2 Infection and Immunity

2.10.3 Pain Management

2.11 The testamur for the degree shall specify in parentheses the stream in which the degree is awarded.

3. Units of study

3.1 For details of units of study relating to the degrees of Master of Medicine and Master of Science in Medicine by coursework, please refer to the Faculty Handbook.

4. Requirements

4.1 A Master of Medicine or Master of Science in Medicine candidate proceeding by coursework and treatise shall:

4.1.1 successfully complete such units of study and such treatise as may be prescribed by the faculty on the recommendation of the head of the discipline concerned.

4.1.2 successfully complete the specified number of credit points as detailed in 4.5.1.

4.1.3 satisfy the requirements of all other relevant by-laws, rules and resolutions of the University.

4.2 A Master of Medicine or Master of Science in Medicine candidate proceeding by coursework and dissertation shall:

4.2.1 have achieved a minimum weighted average mark of 70% in at least 24 credit points of the degree prior to being permitted by the head of discipline to enrol in and undertake the dissertation.

4.2.2 successfully complete such units of study and such dissertation as may be prescribed by the Faculty on the recommendation of the head of the discipline concerned.

4.2.3 enrol in and successfully complete units of study giving credit for a total of 60 credit points;

4.2.4 satisfy the requirements of all other relevant by-laws, rules and resolutions of the University.

4.3 A Master of Medicine or Master of Science in Medicine candidate proceeding by coursework only shall:

4.3.1 successfully complete such units of study as may be prescribed by the faculty on the recommendation of the head of the discipline concerned.

4.3.2 enrol in and successfully complete units of study giving credit for a total of 48 credit points;

4.3.3 satisfy the requirements of all other relevant By-Laws, Rules and Resolutions of the University.

4.4 The head of the discipline concerned shall report the result of the examination of the coursework and other work, if any, to the faculty which shall determine the results of the candidature.

4.5.1 *Master of Medicine/Master of Science in Medicine by coursework and treatise*

Specialties	Required credit points for award
Psychotherapy	72
Sexually Transmitted Diseases/HIV	72
Reproductive Health Sciences and Human Genetics	60
Sleep Medicine	60
Ophthalmic Science	48

5. Award of Master of Medicine or Master of Science in Medicine

5.1 The degree of Master of Medicine or Master of Science in Medicine shall be awarded in either a pass grade or honours grade, or with merit.

- 5.1.1 Honours
- 5.1.1.1 A candidate may be awarded the degree with honours at graduation where the candidate:
- 5.1.1.1.1 is enrolled in one of the following streams:
- 5.1.1.1.1.1 Clinical Epidemiology; or
- 5.1.1.1.1.2 Dermatology; or
- 5.1.1.1.1.3 Infection and Immunity; or
- 5.1.1.1.1.4 Interdisciplinary Medicine; or
- 5.1.1.1.1.5 Paediatric Medicine; or
- 5.1.1.1.1.6 Pain Management; or
- 5.1.1.1.1.7 Refractive Surgery
- 5.1.1.1.1.8 Renal Medicine; and
- 5.1.1.1.2 has enrolled for and successfully completed 48 credit points of coursework and 12 credit points of research resulting in a successfully completed dissertation; and
- 5.1.1.1.3 has obtained a weighted average mark of at least 70 per cent in the coursework component of the degree.
- 5.1.2 Pass with merit
- 5.1.2.1 A candidate may be awarded pass with merit at graduation where the candidate has achieved a minimum weighted average mark of 75 per cent upon completion of all units of study and is enrolled in one of the following streams:
- 5.1.2.1.1 Clinical Epidemiology, or
- 5.1.2.1.2 Dermatology, or
- 5.1.2.1.3 Infection and Immunity, or
- 5.1.2.1.4 Interdisciplinary Medicine, or
- 5.1.2.1.5 Paediatric Medicine, or
- 5.1.2.1.6 Pain Management, or
- 5.1.2.1.7 Renal Medicine.
- 5.1.2.2 If a pass level degree has already been awarded, the *testamur* will be replaced by the honours level degree *testamur* after completing all requirements.
- 5.1.2.3 Not more than ten years shall have elapsed between being awarded the pass level degree and beginning requirements for the honours level degree.
6. Enrolment
- 6.1 A student must be enrolled in each semester in which he or she is actively completing the requirements for the award course.
- 6.2 The candidature of a student who has not re-enrolled and who has not obtained approval from the faculty for a suspension of candidature for the relevant semester will be deemed to have lapsed.
7. Restrictions on enrolment
- 7.1 Admission to candidature may be limited by a quota. In determining the quota the faculty will take into account:
- 7.1.1 availability of resources
- 7.1.2 availability of adequate and appropriate supervision.
- 7.2 In considering an application for admission the dean will take into account the quota. Entry will be based on applicants who are most meritorious in terms of 1 above.
8. Discontinuation of enrolment
- 8.1 A candidate who wishes to discontinue enrolment from the Master of Medicine or Master of Science of Medicine must notify the faculty in writing and will be presumed to have discontinued enrolment from the date of that notification, unless evidence is produced showing:
- 8.1.1 that the discontinuation occurred at an earlier date; and
- 8.1.2 that there was good reason why the notification could not be made at the earlier time.
- 8.2 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 Student Centre, or where the student meets other conditions as specified by the faculty.
9. Suspension of candidature
- 9.1 A candidate who wishes to suspend their candidature must apply, in writing, to the faculty.
- 9.1.1 The application must be received by the faculty prior to the commencement of the relevant semester.
- 9.1.2 A candidate may only apply for a period of suspension for one semester at any one time. Should a candidate wish to suspend their candidature for more than one semester another application must be made to the Faculty for each subsequent semester, prior to the commencement of the relevant semester.
- 9.1.3 Late applications may be considered at the faculty's discretion.
- 9.1.4 Where a student has previously enrolled for the relevant semester, a suspension of enrolment may be recorded as *Withdrawn (W)* or *Discontinued Not To Count As Failure (DNF)* where that application is received within the time-frames specified by the University and published by the Student Centre, or where the student meets other conditions as specified by the faculty.
- 9.2 Where the candidate has previously had two semesters of suspension the application will be considered by the Board of Postgraduate Studies for the faculty.
10. Re-enrolment after an absence
- 10.1 A student must enrol in the semester following a period of approved suspension.
- 10.2 A student whose candidature has lapsed must apply for re-admission in accordance with procedures determined by the faculty.
11. Satisfactory progress
- 11.1 The faculty requires students to demonstrate satisfactory progress with their studies as set out in the current relevant University policy on progress.
12. Credit
- 12.1 Refer to *University of Sydney (Coursework) Rule 2000 (as amended)*, Division 3. Section 8 and the Board of Postgraduate Studies for the Faculties of Dentistry, Medicine and Pharmacy, *Academic Credit, Advanced Standing, and Exemption Policy*.
13. Time limits
- 13.1 A full-time candidate shall complete the requirements for the degree not earlier than one year after the commencement of candidature and, except with the permission of the faculty on the recommendation of the head of the discipline concerned, not later than three years after commencement of candidature.
- 13.2 A part-time candidate shall complete the requirements for the degree not earlier than two years after the commencement of candidature and, except with the permission of the faculty on the recommendation of the head of the discipline concerned, not later than six years after commencement of candidature.
- Master of Medicine or Master of Science in Medicine by coursework and treatise/dissertation:
14. Examination of treatise/dissertation
- 14.1 The faculty shall appoint two examiners, of whom at least one shall be an external examiner, who is not a member of the faculty or a member of the part-time teaching staff of the faculty.
- 14.2 The reports of the examiners shall be transmitted to the course coordinator who shall make them available to the supervisor.
- 14.3 The head of the discipline shall transmit these reports to the faculty, together with a recommendation concerning the award of the degree, and the faculty shall determine the result of the candidature.
- 14.4 In special cases the faculty, on the recommendation of the head of the discipline concerned, may require the candidate to take a further examination in the area of the treatise/dissertation.
- 14.5 The faculty may permit an unsuccessful candidate to revise and resubmit the treatise/dissertation if, in the opinion of the head of the discipline concerned, the candidate's work is of sufficient merit to warrant this concession, and may prescribe special conditions to be fulfilled by the candidate.
- Graduate Diploma of Medicine
Graduate Diploma of Science in Medicine
1. Admission
- 1.1 Except as provided in Part 9, section 47 of the *University of Sydney (Amendment Act) Rule 1999*, the Faculty of Medicine may, on the recommendation of the head of a discipline in the faculty:
- 1.1.1 admit to candidature for the Graduate Diploma of Medicine:
- 1.1.1.1 an applicant who holds the degrees of Bachelor of Medicine and Bachelor of Surgery of the University of Sydney and who has completed any courses in the subject area in which the applicant seeks to proceed as determined by the faculty on the recommendation of the head of discipline concerned;
- 1.1.1.2 and in the case of the specialty of Refractive Surgery, who:
- 1.1.1.2.1 is eligible to undertake a subspecialty fellowship in their final year of accredited training having completed all the

- requirements of the Royal Australian and New Zealand College of Ophthalmologists or equivalent body; or
- 1.1.1.2.2 is registered by their state, territory or country to practice ophthalmology; and
- 1.1.1.2.3 has appropriate medical indemnity;
- 1.1.2 admit to candidature for the Graduate Diploma of Science in Medicine an applicant who holds the degree of bachelor with first or second class honours, or an applicant who holds the degree of bachelor of the University of Sydney without first or second class honours and who has completed equivalent work or passed a preliminary examination or examinations as prescribed by the faculty, and who has completed any courses in the subject area in which the applicant seeks to proceed as determined by the faculty on the recommendation of the head of the discipline concerned.

2. Method of progression

- 2.1 A candidate for the Graduate Diploma of Medicine or Graduate Diploma of Science in Medicine shall proceed by coursework.
- 2.2 A candidate shall proceed by completing units of study as prescribed by the faculty.
- 2.3 Successful completion of a unit of study requires candidates to:
- 2.3.1 formally enrol in the unit of study and pay associated tuition fees, if any; and
- 2.3.2 attend lectures, tutorials, practical sessions, seminars, Web forums or conduct research, if any; and
- 2.3.3 satisfactorily complete assignments, practical work, treatise or dissertation, if any; and
- 2.3.4 pass the written and practical examinations of the unit of study, if any.
- 2.5 The Graduate Diploma of Medicine by coursework shall be awarded in the following streams:
- 2.5.1 Clinical Epidemiology
- 2.5.2 Dermatology
- 2.5.3 Ophthalmic Science
- 2.5.4 Interdisciplinary Medicine
- 2.5.5 Paediatric Medicine
- 2.5.6 Pain Management
- 2.5.7 Refractive Surgery
- 2.5.8 Renal Medicine
- 2.5.8 Sexually Transmitted Diseases/HIV
- 2.5.9 Sleep Medicine
- 2.6 The Graduate Diploma of Science in Medicine by coursework shall be awarded in the following streams:
- 2.6.1 Clinical Epidemiology
- 2.6.2 Ophthalmic Science
- 2.6.3 Pain Management
- 2.6.4 Sexually Transmitted Diseases/HIV
- 2.6.5 Sleep Medicine
- 2.7 The certificate for the diploma shall specify in parentheses the stream in which the diploma is awarded.

4.3.1 Graduate Diploma of Medicine

Streams	Required credit points for award
Clinical Epidemiology	36
Dermatology	36

Streams	Required credit points for award
Interdisciplinary Medicine	36
Ophthalmic Science	36
Paediatric Medicine	36
Pain Management	36
Renal Medicine	36
Sexually Transmitted Diseases/HIV	48
Sleep Medicine	48

4.3.2 Graduate Diploma of Science in Medicine

Streams	Required credit points for award
Clinical Epidemiology	36
Ophthalmic Science	36
Pain Management	36
Sexually Transmitted Diseases/HIV	48
Sleep Medicine	48

5. Award of Graduate Diploma of Medicine or Graduate Diploma of Science in Medicine

- 5.1 A candidate for the degree of Master of Medicine or the degree of Master of Science in Medicine in a particular stream may apply for the award of the Graduate Diploma of Medicine or the Graduate Diploma of Science in Medicine in that stream if, in the opinion of the faculty and on the recommendation of the head of the discipline concerned, the candidate fulfils the requirements in 1., and has completed work for that degree equivalent to that required in 4.
- 5.2 Such a candidate shall thereupon cease to be a candidate for the degree of Master of Medicine or the degree of Master of Science in Medicine in that stream.

6. Enrolment

- 6.1 A student must be enrolled in each semester in which he or she is actively completing the requirements for the award course.
- 6.2 The candidature of a student who has not re-enrolled and who has not obtained approval from the faculty for a suspension of candidature for the relevant semester will be deemed to have lapsed.

7. Restrictions on enrolment

- 7.1 Admission to candidature may be limited by a quota. In determining the quota the dean will take into account:
- 7.1.1 availability of resources
- 7.1.2 availability of adequate and appropriate supervision.
- 7.2 In considering an application for admission the Dean will take into account the quota. Entry will be based on applicants who are most meritorious in terms of 1 above.

8. Discontinuation of enrolment

- 8.1 A candidate who wishes to discontinue enrolment from the Graduate Diploma of Medicine or Graduate Diploma of Science of Medicine must notify the faculty in writing and will be presumed to have discontinued enrolment from the date of that notification, unless evidence is produced showing:
- 8.1.1 that the discontinuation occurred at an earlier date; and
- 8.1.2 that there was good reason why the notification could not be made at the earlier time.
- 8.2 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 Student Centre, or where the student meets other conditions as specified by the faculty.

9. Suspension of candidature

- 9.1 A candidate who wishes to suspend their candidature must apply, in writing, to the faculty.
- 9.1.1 The application must be received by the faculty prior to the commencement of the relevant semester.

- 9.1.2 A candidate may only apply for a period of suspension for one semester at any one time. Should a candidate wish to suspend their candidature for more than one semester another application must be made to the Faculty for each subsequent semester, prior to the commencement of the relevant semester.
- 9.1.3 Late applications may be considered at the faculty's discretion.
- 9.1.4 Where a student has previously enrolled for the relevant semester, a suspension of enrolment may be recorded as *Withdrawn (W)* or *Discontinued Not To Count As Failure (DNF)* where that application is received within the time-frames specified by the University and published by the Student Centre, or where the student meets other conditions as specified by the faculty.
- 9.2 Where the candidate has previously had two semesters of suspension the application will be considered by the Board of Postgraduate Studies for the faculty.
- 10. Re-enrolment after an absence**
- 10.1 A student must enrol in the semester following a period of approved suspension.
- 10.2 A student whose candidature has lapsed must apply for re-admission in accordance with procedures determined by the faculty.
- 11. Satisfactory progress**
- 11.1 The faculty requires students to demonstrate satisfactory progress with their studies as set out in the current relevant University policy on progress.
- 12. Credit**
- 12.1 Refer to *University of Sydney (Coursework) Rule 2000 (as amended)*, Division 3. Section 8 and the Board of Postgraduate Studies for the Faculties of Dentistry, Medicine and Pharmacy, *Academic Credit, Advanced Standing, and Exemption Policy*.
- 13. Time limits**
- 13.1 A full-time candidate shall complete the requirements for the degree not earlier than two semesters after the commencement of candidature and, except with the permission of the faculty on the recommendation of the head of the discipline concerned, not later than two years after commencement of candidature.
- 13.2 Except with the permission of the faculty on the recommendation of the head of the discipline concerned, a part-time candidate shall complete the requirements for the degree not earlier than two semesters after the commencement of candidature and not later than three years after commencement of candidature.

Graduate Certificate in Medicine

1. Admission

- 1.1 Except as provided in Part 9, section 47 of the University of Sydney (Amendment Act) Rule 1999, the Faculty of Medicine may, on the recommendation of the head of a discipline in the Faculty:
- 1.1.1 admit to candidature for the Graduate Certificate of Medicine an applicant who holds the degrees of Bachelor of Medicine and Bachelor of Surgery of the University of Sydney and who has completed any courses in the subject area in which the applicant seeks to proceed as determined by the faculty on the recommendation of the head of discipline concerned.

2. Method of progression

- 2.1 A candidate for the Graduate Certificate in Medicine shall proceed by coursework.
- 2.2 A candidate shall proceed by completing units of study as prescribed by the faculty.
- 2.3 Successful completion of a unit of study requires candidates to:
- 2.3.1 formally enrol in the unit of study and pay associated tuition fees, if any; and
- 2.3.2 attend lectures, tutorials, practical sessions, seminars, Web forums or conduct research, if any; and
- 2.3.3 satisfactorily complete assignments, practical work, treatise or dissertation, if any; and
- 2.3.4 pass the written and practical examinations of the unit of study, if any.
- 2.4 The degree of Graduate Certificate in Medicine by coursework shall be awarded in the following streams:
- 2.4.1 Dermatology;

- 2.4.2 Interdisciplinary Medicine;
- 2.4.3 Paediatric Medicine;
- 2.4.4 Renal Medicine.
- 2.5 The certificate for the graduate certificate shall specify in parentheses the stream in which the graduate certificate is awarded.

3. Units of study

- 3.1 For unit of study details relating to the degrees of Graduate Certificate in Medicine by coursework please refer to the Faculty Handbook.

4. Requirements

- 4.1 A Graduate Certificate in Medicine candidate shall
- 4.1.1 complete such units of study as may be prescribed by the faculty on the recommendation of the head of the discipline concerned,
- 4.1.2 enrol in and successfully complete units of study giving credit for a total of 24 credit points,
- 4.1.3 satisfy the requirements of all other relevant by-laws, rules and resolutions of the University.
- 4.2 The head of the discipline concerned shall report the result of the examination of the coursework and other work, if any, to the faculty which shall determine the results of the candidature.

5. Award of Graduate Certificate in Medicine

- 5.1 A candidate for the degree of Master of Medicine or the Graduate Diploma in Medicine in a particular stream may apply for the award of the Graduate Certificate in Medicine in that stream if, in the opinion of the Faculty and on the recommendation of the head of the discipline concerned, the candidate fulfils the requirements in 1., and has completed work for that degree equivalent to that required in 4.
- 5.2 Such a candidate shall thereupon cease to be a candidate for the respective course of Master of Medicine or Graduate Diploma in Medicine in that stream.

6. Enrolment

- 6.1 A student must be enrolled in each semester in which he or she is actively completing the requirements for the award course.
- 6.2 The candidature of a student who has not re-enrolled and who has not obtained approval from the faculty for a suspension of candidature for the relevant semester will be deemed to have lapsed.

7. Restrictions on enrolment

- 7.1 Admission to candidature may be limited by a quota. In determining the quota the faculty will take into account:
- 7.1.1 availability of resources
- 7.1.2 availability of adequate and appropriate supervision.
- 7.2 In considering an application for admission the faculty will take into account the quota. Entry will be based on applicants who are most meritorious in terms of 1 above.

8. Discontinuation of enrolment

- 8.1 A candidate who wishes to discontinue enrolment from the Graduate Certificate in Medicine must notify the faculty in writing and will be presumed to have discontinued enrolment from the date of that notification, unless evidence is produced showing:
- 8.1.1 that the discontinuation occurred at an earlier date; and
- 8.1.2 that there was good reason why the notification could not be made at the earlier time.
- 8.2 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 Student Centre, or where the student meets other conditions as specified by the faculty.

9. Suspension of candidature

- 9.1 A candidate who wishes to suspend their candidature must apply, in writing, to the faculty.
- 9.1.1 The application must be received by the faculty prior to the commencement of the relevant semester.
- 9.1.2 A candidate may only apply for a period of suspension for one semester at any one time. Should a candidate wish to suspend their candidature for more than one semester another application must be made to the faculty for each subsequent semester, prior to the commencement of the relevant semester.
- 9.1.3 Late applications may be considered at the faculty's discretion.
- 9.1.4 Where a student has previously enrolled for the relevant semester, a suspension of enrolment may be recorded as

Withdrawn (W) or Discontinued Not To Count As Failure (DNF) where that application is received within the time-frames specified by the University and published by the Student Centre, or where the student meets other conditions as specified by the faculty.

9.2 Where the candidate has previously had two semesters of suspension the application will be considered by the Board of Postgraduate Studies for the faculty.

10. Re-enrolment after an absence

101.1 A student must enrol in the semester following a period of approved suspension.

10.2 A student whose candidature has lapsed must apply for re-admission in accordance with procedures determined by the faculty.

11. Satisfactory progress

11.1 The Faculty may

11.1.1 on the recommendation of the head of the discipline concerned, call upon any candidate to show cause why that candidature should not be terminated by reason of unsatisfactory progress towards completion of the diploma; and

11.1.2 where, in the opinion of the Faculty, the candidate does not show good cause, terminate the candidature.

12. Credit

13.1 Refer to *University of Sydney (Coursework) Rule 2000 (as amended)*, Division 3, Section 8 and the Board of Postgraduate Studies for the Faculties of Dentistry, Medicine and Pharmacy, *Academic Credit, Advanced Standing, and Exemption Policy*.

13. Time limits

13.1 A full-time candidate shall complete the requirements for the degree not earlier than two semesters after the commencement of candidature and, except with the permission of the faculty on the recommendation of the head of the discipline concerned, not later than two years after commencement of candidature.

13.2 Except with the permission of the faculty on the recommendation of the head of the discipline concerned, a part-time candidate shall complete the requirements for the degree not earlier than two semesters after the commencement of candidature and not later than three years after commencement of candidature.

Draft 2008 Faculty of Medicine Resolutions 2

Graduate Certificate in Pain Management

Resolutions of the Senate

1. Requirements for the Graduate Certificate in Pain Management

1.1 To qualify for the award of the Graduate Certificate in Pain Management a student must:

1.1.1 complete such units of study as may be prescribed by the Faculty on the recommendation of the head of the discipline concerned;

1.1.2 complete the specified number of credit points as detailed in the Resolutions of the Faculty of Medicine.

1.1.3 The head of the discipline concerned shall report the result of the examination of the coursework and other work, if any, to the Faculty which shall determine the results of the candidature.

1.1.4 satisfy the requirements of all other relevant By-laws, Rules and Resolutions of the University

Resolutions of the Faculty

1. Admission

1.1 Except as provided in Part 9, section 47 of the *University of Sydney (Amendment Act) Rule 1999*, the Faculty of Medicine may, on the recommendation of the Head of the Department of Anaesthesia:

1.1.1 admit to candidature for the Graduate Certificate in Pain Management an applicant who holds:

1.1.1.1 the degrees of Bachelor of Medicine and Bachelor of Surgery of the University of Sydney;

1.1.1.2 the degree of bachelor with first or second class honours, or

1.1.1.3 the degree of bachelor of the University of Sydney without first or second class honours and who has completed equivalent work or passed a preliminary examination or examinations as prescribed by the Faculty, and who has completed any courses in the subject area in which the applicant seeks to proceed as determined by the Faculty on the recommendation of the Head of the Department of Anaesthesia.

2. Method of progression

2.1 A candidate for the Graduate Certificate in Pain Management shall proceed by coursework.

2.2 A candidate shall proceed by completing units of study as prescribed by the Faculty.

2.3 A unit of study shall consist of lectures, tutorials, assignments, practical laboratory sessions and seminars.

2.4 Successful completion of a unit of study requires candidates to:

2.4.1 formally enrol in the unit of study and pay associated tuition fees, if any; and

2.4.2 attend lectures, tutorials, practical sessions, seminars, Web forums or conduct research, if any; and

2.4.3 satisfactorily complete assignments, practical work, treatise or dissertation, if any; and

2.4.4 pass the written and practical examinations of the unit of study, if any.

2.4 Where approved, in addition to campus-based learning, the Graduate Certificate in Pain Management may be delivered by distance learning.

3. Units of study

3.1 For unit of study details relating to the degrees of Graduate Certificate in Pain Management by coursework please refer to the course coordinator, the Faculty and course Websites and specific course handouts.

4. Requirements

4.1 A Graduate Certificate in Pain Management candidate proceeding by coursework shall

4.1.1 complete such units of study as may be prescribed by the Faculty on the recommendation of the Head of the Department of Anaesthesia;

4.1.2 complete the specified number of credit points as detailed in 4.2.

4.1.3 The Head of the Department of Anaesthesia shall report the result of the examination of the coursework and other work, if any, to the Faculty which shall determine the results of the candidature.

4.1.4 satisfy the requirements of all other relevant By-Laws, Rules and Resolutions of the University.

4.2 *Graduate Certificate in Pain Management*

Specialties	Required credit points for award
Pain Management	24

5. Award of Graduate Certificate in Pain Management

5.1 A candidate for the degree of Master of Medicine (Pain Management), the degree of Master of Science in Medicine (Pain Management), the Graduate Diploma of Medicine (Pain Management) or the Graduate Diploma of Science in Medicine (Pain Management) may apply for the award of the Graduate Certificate in Pain Management if, in the opinion of the Faculty and on the recommendation of the head of the Pain Management and Research Institute, the candidate fulfils the requirements in 2., and has completed work for that degree equivalent to that required in 4., and such a candidate shall thereupon cease to be a candidate for the previous award course.

6. Probation

6.1 A candidate may be accepted by the Faculty on a probationary basis for a period six months and upon completion of this probationary period the Faculty shall review the candidate's work and shall either confirm the candidate's status or terminate the candidature.

6.2 In the case of a candidate accepted on a probationary basis under 6.1, the candidature shall be deemed to have commenced from the date of such acceptance.

7. Enrolment

7.1 A student must be enrolled in each semester in which he or she is actively completing the requirements for the award course.

7.2 The candidature of a student who has not re-enrolled and who has not obtained approval from the Faculty for a suspension of candidature for the relevant semester will be deemed to have lapsed.

8. Restrictions on enrolment

8.1 Admission to candidature may be limited by a quota. In determining the quota the Faculty will take into account:

8.1.1 availability of resources

8.1.2 availability of adequate and appropriate supervision.

8.2 In considering an application for admission the Faculty will take into account the quota. Entry will be based on applicants who are most meritorious in terms of 1 above.

9. Discontinuation of enrolment

9.1 A candidate who wishes to discontinue enrolment from the Graduate Certificate in Pain Management must notify the Faculty in writing and will be presumed to have discontinued enrolment from the date of that notification, unless evidence is produced showing:

9.1.1 that the discontinuation occurred at an earlier date; and

9.1.2 that there was good reason why the notification could not be made at the earlier time.

9.2 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 Student Centre, or where the student meets other conditions as specified by the faculty.

10. Suspension of candidature

10.1 A candidate who wishes to suspend their candidature must apply, in writing, to the Faculty.

10.1.1 The application must be received by the Faculty prior to the commencement of the relevant semester.

10.1.2 A candidate may only apply for a period of suspension for one semester at any one time. Should a candidate wish to suspend their candidature for more than one semester another application must be made to the Faculty for each subsequent semester, prior to the commencement of the relevant semester.

10.1.3 Late applications may be considered at the Faculty's discretion.

10.1.4 Where a student has previously enrolled for the relevant semester, a suspension of enrolment may be recorded as *Withdrawn (W)* or *Discontinued Not To Count As Failure (DNF)* where that application is received within the time-frames specified by the University and published by the Student Centre, or where the student meets other conditions as specified by the faculty.

10.2 Where the candidate has previously had two semesters of suspension the application will be considered by the Board of Postgraduate Studies for the Faculty.

11. Re-enrolment after an absence

11.1 A student must enrol in the semester following a period of approved suspension.

11.2 A student whose candidature has lapsed must apply for re-admission in accordance with procedures determined by the Faculty.

12. Satisfactory progress

12.1 The Faculty may

12.1.1 on the recommendation of the Head of the Department of Anaesthesia, call upon any candidate to show cause why that candidature should not be terminated by reason of unsatisfactory progress towards completion of the certificate; and

12.1.2 where, in the opinion of the Faculty, the candidate does not show good cause, terminate the candidature.

13. Credit

13.1 Refer to *University of Sydney (Coursework) Rule 2000 (as amended)*, Division 3. Section 8.

14. Time limits

14.1 A full-time candidate shall complete the requirements for the degree not earlier than one semester after the commencement

of candidature and, except with the permission of the Faculty on the recommendation of the Head of the Department of Anaesthesia, not later than two years after commencement of candidature.

14.2 Except with the permission of the Faculty on the recommendation of the Head of the Department of Anaesthesia, a part-time candidate shall complete the requirements for the degree not earlier than two semesters after the commencement of candidature and not later than three years after commencement of candidature.

Master of Public Health Graduate Diploma in Public Health

Resolutions of the Senate

1. Requirements for the Master of Public Health

1.1 To qualify for the award of the Master of Public Health a candidate must:

1.1.1 successfully complete such units of study as may be prescribed by the Faculty on the recommendation of the head of the discipline concerned;

1.1.2 enrol for and successfully complete units of study giving credit for a total of 48 credit points; and

1.1.3 satisfy the requirements of all other relevant By-laws, Rules and Resolutions of the University.

1.2 The head of the School of Public Health shall report the result of the examination of the coursework and other work, if any, to the Faculty which shall determine the results of the candidature.

2. Requirements for the honours degree

2.1 To qualify for the award of the Master of Public Health with honours a candidate must:

2.1.1 fulfil all of the requirements for the Master of Public Health as outlined in section 1 of these resolutions; and

2.1.2 enrol for and successfully completed 48 credit points of coursework and 12 credit points of research resulting in a successfully completed dissertation; and

2.1.3 obtain a weighted average mark of at least 70 percent in the coursework component of the degree.

3. Requirements for the Graduate Diploma in Public Health

3.1 To qualify for the award of the Graduate Diploma in Public Health a candidate must:

3.1.1 successfully complete such units of study as may be prescribed by the Faculty on the recommendation of the head of the discipline concerned;

3.1.2 enrol for and successfully complete units of study giving credit for a total of 36 credit points; and

3.1.3 satisfy the requirements of all other relevant By-laws, Rules and Resolutions of the University.

3.2 The head of the School of Public Health shall report the result of the examination of the coursework and other work, if any, to the Faculty which shall determine the results of the candidature.

Resolutions of the Faculty

1. Admission

1.1 Except as provided for in Part 9, section 47 of the *University of Sydney (Amendment Act) Rule 1999 (as amended)*, the Faculty may, on the recommendation of the head of the School of Public Health, admit to candidature for the degree of Master of Public Health an applicant who:

1.1.1 holds a degree from the University of Sydney for which the minimum time to qualify was at least four academic years, or

1.1.2 has passed a preliminary examination or examinations prescribed by the Faculty, unless exempted by the Faculty.

1.2 Except as provided for in Part 9, section 47 of the *University of Sydney (Amendment Act) Rule 1999 (as amended)*, the Faculty may, on the recommendation of the head of the School of Public Health, admit to candidature for the Graduate Diploma in Public Health an applicant who:

- 1.2.1 holds a degree from the University of Sydney or of another university or academic institution approved by the Faculty and has completed units of study acceptable to the head of the School of Public Health, or
- 1.2.2 has obtained such qualifications and completed such units of study as are acceptable to the Faculty of Medicine and the Academic Board; or
- 1.2.3 furnishes such evidence of special fitness to enter upon systematic units of study in public health as is acceptable to the Faculty.
- 1.3 An applicant for admission to candidature shall have held the qualification on the basis of which admission is sought for at least one year prior to the commencement of candidature.

2. Units of study

- 2.1 For unit of study details relating to the degree of Master of Public Health and the Graduate Diploma in Public Health refer to the Faculty Handbook.

3. Requirements for the award courses

- 3.1 To qualify for the degree of Master of Public Health candidates must:
- 3.1.1 successfully complete such units of study within the general area of public health and as may be prescribed by the Faculty on the recommendation of the head of the School of Public Health, and
- 3.1.2 enrol in and successfully complete units of study giving credit for a total of 48 credit points, and
- 3.1.3 satisfy the requirements of all other relevant By-Laws, Rules and Resolutions of the University.
- 3.2 To qualify for the degree of Graduate Diploma in Public Health candidates must:
- 3.2.1 successfully complete such units of study within the general area of public health and as may be prescribed by the Faculty on the recommendation of the head of the School of Public Health, and
- 3.2.2 enrol in and successfully complete units of study giving credit for a total of 36 credit points, and
- 3.2.3 satisfy the requirements of all other relevant By-Laws, Rules and Resolutions of the University.

4. Requirements for the award of honours

- 4.1 A candidate of the degree of Master of Public Health may be awarded the degree with honours at graduation where the candidate:
- 4.1.1 has enrolled for and successfully completed 48 credit points of coursework and 12 credit points of research resulting in a successfully completed dissertation; and
- 4.1.2 has obtained a weighted average mark of at least 70 per cent in the coursework component of the degree.
- 4.2 If a pass level degree of Master of Public Health has already been awarded, the testamur will be replaced by the honours level degree testamur after completing all honours requirements.
- 4.3 Not more than ten years shall have elapsed between a candidate being awarded the pass level degree of Master of Public Health and beginning requirements for the award of honours.

5. Award

- 5.1 The Graduate Diploma in Public Health shall all be awarded in one grade only, namely pass.
- 5.2 The degree of Master of Public Health shall all be awarded as a pass degree or with honours.
- 5.2.1 A candidate may be awarded the pass degree of Master of Public Health with merit at graduation where the candidate has achieved a minimum average mark of 75 per cent upon completion of all units.

6. Method of progression

- 6.1 A candidate of the Graduate Diploma in Public Health shall proceed by coursework.
- 6.2 A candidate of the degree of Master of Public Health shall proceed by coursework or coursework and dissertation.
- 6.3 A candidate of the degree of Master of Public Health must achieve a minimum weighted average mark of 70 per cent in the first 24 credit points of coursework to proceed by coursework and dissertation.
- 6.3.1 A candidate of the degree of Master of Public Health proceeding by coursework and dissertation must write a dissertation on a supervised project approved by the head of the School of Public Health and lodge with the School of

Public Health three copies of this dissertation, typewritten and bound according to University requirements.

7. Enrolment

- 7.1 A student must be enrolled in each semester in which he or she is actively completing the requirements for the award course.
- 7.2 The candidature of a student who has not re-enrolled and who has not obtained approval from the Faculty for a suspension of candidature for the relevant semester will be deemed to have lapsed.

8. Suspension of candidature

- 8.1 A candidate who wishes to suspend their candidature must apply, in writing, to the Faculty.
- 8.1.1 The application must be received by the Faculty prior to the commencement of the relevant semester.
- 8.1.2 A candidate may only apply for a period of suspension for one semester at any one time. Should a candidate wish to suspend their candidature for more than one semester another application must be made to the Faculty for each subsequent semester, prior to the commencement of the relevant semester.
- 8.1.3 Late applications may be considered at the Faculty's discretion.
- 8.1.4 Where a student has previously enrolled for the relevant semester, a suspension of enrolment may be recorded as *Withdrawn (W)* or *Discontinued Not To Count As Failure (DNF)* where that application is received within the time-frames specified by the University and published by the Student Centre, or where the student meets other conditions as specified by the Faculty.
- 8.2 Where the candidate has previously had two semesters of suspension the application will be considered by the Board of Postgraduate Studies for the Faculty.

9. Re-enrolment after an absence

- 9.1 A student must enrol in the semester following a period of approved suspension.
- 9.2 A student whose candidature has lapsed must apply for re-admission in accordance with procedures determined by the Faculty.

10. Credit

- 10.1 Refer to *University of Sydney (Coursework) Rule 2000 (as amended)*, Division 3, Section 8 and the Board of Postgraduate Studies for the Faculties of Dentistry, Medicine and Pharmacy, *Academic Credit, Advanced Standing, and Exemption Policy*.

11. Time limits

- 11.1 A full-time candidate for the degree of Master of Public Health shall complete the requirements for the degree not earlier than two semesters after the commencement of candidature and not later than the end of the sixth semester of candidature, except with the permission of the Faculty on the recommendation of the head of the School of Public Health.
- 11.2 A part-time candidate for the degree of Master of Public Health shall complete the requirements for the degree not earlier than four semesters after the commencement of candidature and not later than the end of the eighth semester of candidature, except with the permission of the Faculty on the recommendation of the head of the School of Public Health.
- 11.3 A full-time candidate for the Graduate Diploma in Public Health shall complete the requirements for the degree not earlier than two semesters after the commencement of candidature and not later than the end of the fourth semester of candidature, except with the permission of the Faculty on the recommendation of the head of the School of Public Health.
- 11.4 A part-time candidate for the Graduate Diploma in Public Health shall complete the requirements for the degree not earlier than four semesters after the commencement of candidature and not later than the end of the sixth semester of candidature, except with the permission of the Faculty on the recommendation of the head of the School of Public Health.

12. Examination

- 12.1 The head of the School of Public Health shall report the result of the examination of the coursework and other work, if any, to the Faculty which shall determine the results of the candidature.
- 12.2 For examination of the dissertation component of the degree of Master of Public Health:

- 12.2.1 the head of the School of Public Health shall appoint at least two examiners for the dissertation, of whom at least one shall be an internal examiner, and
- 12.2.2 the reports of the examiners shall be transmitted to the head of the School of Public Health who shall make a recommendation concerning award of the degree.

Master of Surgery Graduate Diploma in Surgery

Resolutions of the Senate

1. Requirements for the Master of Surgery

- 1.1 To qualify for the award of the Master of Surgery a student must:
- 1.1.1 satisfy the requirements of all other relevant By-laws, Rules and Resolutions of the University, and
- 1.1.2.1 *by research:*
- 1.1.2.2 carry out supervised research on a topic approved by the Faculty on the recommendation of the head of the Discipline of Surgery and write a thesis embodying the results of this research that passes examination; or
- 1.1.3.1 *by coursework:*
- 1.1.3.2 successfully complete such units of study as may be prescribed by the Faculty on the recommendation of the head of the discipline concerned, enrol for and successfully complete units of study giving credit for a total of 48 credit points.
- 1.2 The head of the Discipline of Surgery shall report the result of the examination of the coursework and other work, if any, to the Faculty which shall determine the results of the candidature.

2. Requirements for the Graduate Diploma in Surgery

- 2.1 To qualify for the award of the Graduate Diploma in Surgery a candidate must:
- 2.1.1 successfully complete such units of study as may be prescribed by the Faculty on the recommendation of the head of the Discipline of Surgery;
- 2.1.2 enrol for and successfully complete units of study giving credit for a total of 36 credit points; and
- 2.1.3 satisfy the requirements of all other relevant By-laws, Rules and Resolutions of the University.
- 2.2 The head of the Discipline of Surgery shall report the result of the examination of the coursework and other work, if any, to the Faculty which shall determine the results of the candidature.

Resolutions of the Faculty

1. Admission

- 1.1 Except as provided in Part 9, section 47 of the *University of Sydney (Amendment Act) Rule 1999*, the Faculty may, on the recommendation of the head of the Discipline of Surgery, admit to candidature for the degree of Master of Surgery by research an applicant who:
- 1.1.1 holds the degrees of Bachelor of Medicine and Bachelor of Surgery of the University of Sydney, and
- 1.1.2 possesses a Fellowship of the Royal Australasian College of Surgeons or equivalent postgraduate diploma or other qualification deemed equivalent by the Faculty; or
- 1.1.3 satisfies the requirements of the Primary Fellowship examination of the Royal Australasian College of Surgeons (RACS) or equivalent body and by being an accredited trainee in surgery, i.e. been accepted into or completed an advanced accredited surgical training scheme of the RACS or equivalent body acceptable to the Faculty; or
- 1.1.4 is able to pass a clinical examination in surgery as determined by the Faculty on the recommendation of the Head of the Discipline of Surgery.
- 1.2 In special circumstances, graduates from other medical disciplines with a commitment to surgical research may be admitted to candidature for the degree of Master of Surgery (MS) by research.
- 1.3 Graduates who have been admitted to the former degree of Master of Surgery (ChM) may be admitted to candidature for the degree of Master of Surgery (MS) by research on the same

conditions as holders of the degrees of Bachelor of Medicine and Bachelor of Surgery (MBBS).

- 1.4 Except as provided in Part 9, section 47 of the *University of Sydney (Amendment Act) Rule 1999*, the Faculty may, on the recommendation of the head of the Discipline of Surgery, admit to candidature for the degree of Master of Surgery by coursework, an applicant who:
- 1.4.1 holds a Bachelor of Medicine or Bachelor of Surgery from approved universities or have equivalent qualifications subject to approval by the Dean; and
- 1.4.2 is currently a registered trainee on the Surgical Education and Training (SET) program of the Royal Australasian College of Surgeons (RACS) (or equivalent) or a Fellow of the Royal Australasian College of Surgeons (or equivalent) or
- 1.4.3 is currently registered for Pre Surgical Education and Training (PRE SET) with the Royal Australasian College of Surgeons. Admission in this category requires prior application to and approval from the Head of the Discipline of Surgery.
- 1.5 Except as provided in Part 9, section 47 of the *University of Sydney (Amendment Act) Rule 1999*, the Faculty may admit to candidature for the Graduate Diploma in Surgery an applicant who has successfully completed a Bachelor of Medicine or Bachelor of Surgery, from approved universities or have equivalent qualifications subject to approval by the Dean.

2. Units of study

- 2.1 The units of study for the degree of Master of Surgery by coursework and the Graduate Diploma in Surgery are as set out in the Faculty Handbook.

3. Requirements

- 3.1 To qualify for the degree of Master of Surgery by research candidates must:
- 3.1.1 complete such units of study, if any, as may be prescribed by the Head of the Discipline of Surgery,
- 3.1.2 carry out supervised research on a topic approved by the Faculty on the recommendation of the head of the Discipline of Surgery,
- 3.1.3 write a thesis, that passes examination, embodying the results of the approved research which shall be a substantially original contribution and must be a significant contribution of distinguished merit adding to the knowledge and understanding of the subject concerned,
- 3.1.4 lodge with the Faculty four copies of this thesis, typewritten and bound in accordance with University requirements,
- 3.1.5 submit to the Faculty, with the thesis, a certificate from the supervisor stating whether, in the supervisor's opinion, the form of presentation of the thesis is satisfactory, and
- 3.1.6 satisfy the requirements of all other relevant By-Laws, Rules and Resolutions of the University.
- 3.2 To qualify for the degree of Master of Surgery by coursework candidates must:
- 3.2.1 enrol for and successfully complete units of study, covering material new to the candidate, giving credit for a total of 48 credit points to qualify for the degree,
- 3.2.2 successfully complete such units of study as may be prescribed by the Faculty on the recommendation of the head of the Discipline of Surgery, and
- 3.2.3 satisfy the requirements of all other relevant By-Laws, Rules and Resolutions of the University.
- 3.3 To qualify for the Graduate Diploma in Surgery candidates must:
- 3.3.1 enrol for and successfully complete units of study, covering material new to the candidate, giving credit for a total of 36 credit points to qualify for the degree,
- 3.3.2 successfully complete such units of study as may be prescribed by the Faculty on the recommendation of the head of the Discipline of Surgery, and
- 3.3.3 satisfy the requirements of all other relevant By-Laws, Rules and Resolutions of the University.
- #### 4. Award
- 4.1 The head of the Discipline of Surgery shall, after reviewing all reports from the examiners of the thesis, make a recommendation regarding the award of the thesis to the Faculty which shall determine the results of the candidature for the degree of Master of Surgery by research.
- 4.2 The head of the Discipline of Surgery shall report the results of the examination of the coursework to the Faculty which shall determine the results of the candidature for the degree of

- Master of Surgery by coursework and the Graduate Diploma in Surgery.
- 4.3 The degree of Master of Surgery and the Graduate Diploma in Surgery shall all be awarded in one grade only, namely pass.
- 5. Probation**
- 5.1 A candidate of the Master of Surgery by research will be accepted by the Faculty on a probationary basis for a period one year and upon completion of this probationary period the Faculty shall review the candidate's work and shall either confirm the candidate's status, extend the probation for one semester or terminate the candidature.
- 5.2 In the case of a candidate accepted on a probationary basis under section 6.1, the candidature shall be deemed to have commenced from the date of such acceptance.
- 6. Method of progression**
- 6.1 A candidate for the degree of Master of Surgery shall proceed by coursework (including a research project and dissertation) or by undertaking research and writing a thesis.
- 6.2 A candidate for the Graduate Diploma in Surgery shall proceed by coursework.
- 6.3 A candidate for the Master of Surgery by coursework or the Graduate Diploma in Surgery shall proceed by enrolling in and successfully completing units of study as prescribed by the Faculty.
- 6.4 A candidate shall enrol either as a full-time candidate or a part-time candidate and shall so advise the Faculty at the time of application for admission to candidature.
- 6.5 The Faculty shall, on the recommendation of the head of the Discipline of Surgery, appoint a member of the academic or research staff of the University to act as supervisor of each candidate of the degree of Master of Surgery by research.
- 6.6 The Faculty will also appoint a suitably qualified person to act as an Associate Supervisor of a candidate of the degree of Master of Surgery by research.
- 6.7 A candidate of the degree of Master of Surgery by research must complete a minimum of one semester of candidature within the University before submission of the thesis.
- 7. Enrolment**
- 7.1 A student must be enrolled in each semester in which he or she is actively completing the requirements for the award course.
- 7.2 The candidature of a student who has not re-enrolled and who has not obtained approval from the Faculty for a suspension of candidature for the relevant semester will be deemed to have lapsed.
- 8. Discontinuation of enrolment**
- 8.1 A candidate who wishes to discontinue enrolment from the Master of Surgery or Graduate Diploma in Surgery must notify the Faculty in writing and will be presumed to have discontinued enrolment from the date of that notification, unless evidence is produced showing:
- 8.1.1 that the discontinuation occurred at an earlier date; and
- 8.1.2 that there was good reason why the notification could not be made at the earlier time.
- 9. Suspension of candidature**
- 9.1 A candidate who wishes to suspend their candidature must apply, in writing, to the Faculty.
- 9.1.1 The application must be received by the Faculty prior to the commencement of the relevant semester.
- 9.1.2 A candidate may only apply for a period of suspension for one semester at any one time. Should a candidate wish to suspend their candidature for more than one semester another application must be made to the Faculty for each subsequent semester, prior to the commencement of the relevant semester.
- 9.1.3 Late applications may be considered at the Faculty's discretion.
- 9.2 Where the candidate has previously had two semesters of suspension the application will be considered by the Board of Postgraduate Studies for the Faculty.
- 10. Re-enrolment after an absence**
- 10.1 A student must enrol in the semester following a period of approved suspension.
- 10.2 A student whose candidature has lapsed must apply for re-admission in accordance with procedures determined by the Faculty.
- 11. Satisfactory progress**
- 11.1 The Faculty may, on the recommendation of the head of the Discipline of Surgery:
- 11.1.1 call upon the candidate to show cause why that candidature should not be terminated by reason of unsatisfactory progress towards completion of the degree; and
- 11.1.2 where, in the opinion of the Faculty, the candidate does not show good cause, terminate the candidature.
- 12. Credit**
- 12.1 Refer to *University of Sydney (Amendment Act) Rule 1999 (as amended)*, *University of Sydney (Coursework) Rule 2000 (as amended)*, Division 3, Section 8 and the Board of Postgraduate Studies for the Faculties of Dentistry, Medicine and Pharmacy, *Academic Credit, Advanced Standing, and Exemption Policy*.
- 12.2 A candidate who, before admission to the candidature of the degree of Master of Surgery by coursework or the Graduate Diploma in Surgery:
- 12.2.1 has spent time in graduate study in the University of Sydney or another university; and
- 12.2.2 has completed, within five years except with permission of the Dean, coursework considered by the Faculty to be equivalent to programs prescribed by the degree;
- 12.2.3 may receive credit of up to eight credit points towards the requirements for the Master of Surgery or Graduate Diploma In Surgery by coursework.
- 13. Time limits**
- 13.1 A full-time candidate for the Master of Surgery by research may not submit a thesis for examination earlier than the end of the fourth semester of candidature and, except with the permission of the Faculty on the recommendation of the head of the Discipline of Surgery, not later than the end of the sixth semester of candidature.
- 13.2 A part-time candidate for the Master of Surgery by research may not submit a thesis for examination earlier than the end of the sixth semester of candidature and, except with the permission of the Faculty on the recommendation of the head of the Discipline of Surgery, not later than the end of the eighth semester of candidature.
- 13.3 A full-time candidate for the Master of Surgery by coursework may not complete the degree earlier than the end of the second semester of candidature and, except with the permission of the Faculty on the recommendation of the head of the Discipline of Surgery, not later than the end of the fourth semester of candidature.
- 13.4 A part-time candidate for the Master of Surgery by coursework may not complete the degree earlier than the end of the fourth semester of candidature and, except with the permission of the Faculty on the recommendation of the head of the Discipline of Surgery, not later than the end of the eighth semester of candidature.
- 13.5 A full-time candidate for the Graduate Diploma in Surgery may not complete the degree earlier than the end of the second semester of candidature and, except with the permission of the Faculty on the recommendation of the head of the Discipline of Surgery, not later than the end of the fourth semester of candidature.
- 13.6 A part-time candidate for the Graduate Diploma in Surgery may not complete the degree earlier than the end of the third semester of candidature and, except with the permission of the Faculty on the recommendation of the head of the Discipline of Surgery, not later than the end of the sixth semester of candidature.
- 14. Preparation and submission of thesis for Master of Surgery by research candidates**
- 14.1 The thesis shall not already have been presented as a thesis for any degree.
- 14.2 The thesis shall be a record of original research undertaken by the candidate, who shall state the sources from which the information was derived, the extent to which use has been made of the work of others, and the portion of the work claimed as original.
- 14.3 The thesis shall be accompanied by a declaration signed by the candidate that the thesis is composed by the candidate.
- 15. Examination of thesis by Master of Surgery by research candidates**
- 15.1 After receipt of a thesis the Faculty, on the recommendation of the head of the Discipline of Surgery, shall appoint at least

- three examiners for the thesis of whom at least one shall be an external examiner.
- 15.2 The reports of the examiners shall be transmitted to the head of the Discipline of Surgery who shall make them available to the professor most concerned and the supervisor.
- 15.3 The head of the Discipline of Surgery shall transmit these reports to the Faculty, together with a recommendation concerning the award of the degree, and the Faculty shall determine the result of the candidature.
- 15.5 The Faculty may permit an unsuccessful candidate to revise and resubmit the thesis if, in the opinion of the head of the Discipline of Surgery, the candidate's work is of sufficient merit to warrant this concession, and may prescribe special conditions to be fulfilled by the candidate.
- 16. Examination of candidates of the Master of Surgery by coursework or the Graduate Diploma in Surgery**
- 16.1 On completion of the requirements for the degree, the Faculty shall determine the result of candidature following a report from the head of Discipline.

Master of Philosophy

Resolutions of the Senate

1. Requirements for the Master of Philosophy

- 1.1 To qualify for the award of the Master of Philosophy a student must:
- 1.1.1 complete a 6 credit point unit of study on research methods plus such courses or units of study, if any, as may be prescribed by the head of the discipline concerned;
- 1.1.2 carry out supervised research on a topic approved by the Faculty on the recommendation of the head of the discipline concerned;
- 1.1.3 write a thesis embodying the results of this research that passes examination; and
- 1.1.4 satisfy the requirements of all other relevant By-laws, Rules and Resolutions of the University.

Resolutions of the Faculty

1. Admission

- 1.1 Except as provided in Part 9, section 47 of the University of Sydney (Amendment Act) Rule 1999, the Faculty of Medicine may, on the recommendation of the head of a discipline in the Faculty, admit to candidature for the degree of Master of Philosophy
- 1.1.1 an applicant who holds the degree of bachelor with first or second class honours, or
- 1.1.2 an applicant who holds the degree of bachelor of the University of Sydney or other approved institution without first or second class honours after the applicant has passed a qualifying examination at a standard equivalent to the bachelor's degree with first or second class honours, provided that a faculty may exempt an applicant from the qualifying examination if the applicant has obtained at least a credit in the highest course available in the subject or subjects relevant to the proposed course of advanced study and research.
- 1.1.2.1 The qualifying exam may include completion of a period of relevant full-time or part-time advanced study and/or research towards a postgraduate award course in the University of Sydney, at such a standard as would demonstrate to the satisfaction of the faculty that the candidate is suitably prepared in the particular field of study to undertake candidature for the degree of Master of Philosophy.
- 1.2 The faculty may admit as a candidate for the degree an applicant holding qualifications which, in the opinion of the faculty concerned, are equivalent to those prescribed in 1.1 above and such candidate shall proceed to the degree under such conditions as the Faculty may prescribe.
- 1.3 The faculty may require a candidate, as part of the evidence of the candidate's training and ability to pursue the proposed course, to pass a special examination or assessment.

- 1.4 An applicant, for admission to candidature, shall submit to the Faculty a research proposal as part of the application. This proposal will detail a course of advanced study and research, in which the work is to be carried out to be undertaken by the applicant in a discipline of the Faculty of Medicine.

- 1.5 Admission to candidature will be conditional upon the appointment of an appropriate supervisor and associate supervisor as stipulated in the Academic Board Policy entitled "Postgraduate Research Higher Degree Training Supervision at the University of Sydney".

2. Method of progression

- 2.1 A candidate for the Master of Philosophy shall proceed by completing a 6 credit point unit of study on research methods and by research and thesis.
- 2.2 A full-time candidate shall not keep the normal academic year but shall pursue candidature for the degree continuously throughout the year except for a period of 4 weeks recreation leave and shall dedicate a minimum of 35 hours per week to their candidature.
- 2.3 A candidate who does not comply with section 2.2 should be enrolled as a part-time candidate

3. Requirements

- 3.1 A Master of Philosophy candidate proceeding by research shall
- 3.1.1 complete a 6 credit point unit of study on research methods during the probationary period;
- 3.1.2 complete such other courses or units of study, if any, as may be prescribed by the head of the discipline concerned;
- 3.1.3 carry out supervised research on a topic approved by the Faculty on the recommendation of the head of the discipline concerned;
- 3.1.4 write a thesis embodying the results of this research that passes examination; and
- 3.1.5 lodge with the Registrar three copies of this thesis, typewritten and bound.
- 3.1.5.1 The candidate shall state in the thesis the sources from which the information was derived, the extent to which the work of others has been used and the portion of the work claimed as original.
- 3.1.5.2 The candidate may include in the thesis published papers of which the candidate is sole or joint author, provided that
- 3.1.5.2.1 the papers are based on work undertaken during the candidature for the degree;
- 3.1.5.2.2 the papers are identified as published work;
- 3.1.5.2.3 the papers are compatible with the overall coherence and organisation of the text of the thesis; and
- 3.1.5.2.4 the candidate provides evidence to identify satisfactorily the sections of work for which the candidate is responsible, such as a signed, written statement from all authors attesting to the contribution of the candidate.
- 3.1.5.3 Any other papers of which the candidate is sole or joint author may be lodged in support of the thesis.
- 3.1.5.4 the thesis contains original contributions to the knowledge of the subject concerned;
- 3.1.5.5 the thesis affords evidence of originality by the exercising of independent critical ability;
- 3.1.5.6 the thesis is a satisfactory literary presentation; and
- 3.1.5.7 material in the thesis is suitable for publication.
- 3.1.6 The thesis shall be accompanied by a statement from the supervisor stating whether, in the supervisor's opinion, the form of presentation of the thesis is satisfactory.
- 3.1.7 A candidate may not present as the thesis a work which has been presented for a degree in this or another university, but will not be precluded from incorporating such in the thesis provided that in presenting the thesis the candidate indicates the part of the work which has been so incorporated.
- 3.1.8 satisfy the requirements of all other relevant By-Laws, Rules and Resolutions of the University.

4. Probation

- 4.1 A candidate will normally be accepted by the Faculty on a probationary basis for a period not exceeding twelve months.
- 4.2 The provision to waive probationary acceptance would only be exercised in exceptional circumstances. All requests to waive probation will need to be approved by the Chair of the Board of Postgraduate Studies.
- 4.3 A Probation Review Report must be completed by the candidate's supervisor in consultation with the Postgraduate Coordinator and submitted to the Faculty at least four weeks before the end of probation.

- 4.4 The Faculty will write to the candidate to advise of the outcome of the probation review, either confirming the candidate's status, extending the probationary period or terminating the candidature.
- 4.5 In the case of a candidate accepted on a probationary basis under section 4.1, the candidature shall be deemed to have commenced from the date of such acceptance.
- 5. Enrolment**
- 5.1 A student must be enrolled in each semester in which he or she is actively pursuing the requirements for the award course.
- 5.2 The candidature of a student who has not re-enrolled and who has not obtained approval from the Faculty for a suspension of candidature for the relevant semester will be deemed to have lapsed.
- 6. Restrictions on enrolment**
- 6.1 Admission to candidature may be limited by a quota. In determining the quota the Faculty will take into account:
- 6.1.1 availability of resources; and
- 6.1.2 availability of adequate and appropriate supervision.
- 6.2 In considering an application for admission the Dean will take into account the quota. Entry will be based on applicants who are most meritorious in terms of Section 1 above.
- 7. Discontinuation of enrolment**
- 7.1 A candidate who wishes to discontinue enrolment from the Master of Philosophy must notify the Faculty in writing and will be presumed to have discontinued enrolment from the date of that notification, unless evidence is produced showing:
- 7.1.1 that the discontinuation occurred at an earlier date; and
- 7.1.2 that there was good reason why the notification could not be made at the earlier time.
- 8. Suspension of candidature**
- 8.1 A candidate who wishes to suspend their candidature must apply, in writing, to the Faculty.
- 8.1.1 The application must be received by the Faculty prior to the commencement of the relevant semester.
- 8.1.2 A candidate may only apply for a period of suspension for one semester at any one time. Should a candidate wish to suspend their candidature for more than one semester another application must be made to the Faculty for each subsequent semester, prior to the commencement of the relevant semester.
- 8.1.3 Late applications may be considered at the Faculty's discretion.
- 8.2 Where the candidate has previously had two semesters of suspension the application will be considered by the Board of Postgraduate Studies for the Faculty.
- 9. Re-enrolment after an absence**
- 9.1 A student must enrol in the semester following a period of approved suspension.
- 9.2 A student whose candidature has lapsed must apply for re-admission in accordance with procedures determined by the faculty.
- 10. Satisfactory progress**
- 10.1 At the end of each year each candidate shall complete an Annual Progress Report providing evidence of progress to the satisfaction of the supervisor, head of discipline concerned, any postgraduate review committee and the Board of Postgraduate Studies.
- 10.2 On the basis of evidence provided, the head of discipline or the Chair of the Board of Postgraduate Studies shall recommend the conditions of candidature to apply for the following year and may require the candidate to provide further evidence of progress at the end of one semester or such other period as the head of discipline or the Chair of the Board of Postgraduate Studies considers appropriate.
- 10.3 If a candidate fails to submit evidence of progress or if the head of discipline concerned considers that the evidence submitted does not indicate satisfactory progress, the Board of Postgraduate Studies may, on the head of discipline's recommendation, call upon that candidate to show cause why that candidature should not be terminated by reason of unsatisfactory progress towards completion of the degree and where, in the opinion of the Board of Postgraduate Studies, the candidate does not show good cause, the Board of Postgraduate Studies may terminate that candidature or may impose conditions on the continuation of that candidature.
- 11. Credit**
- 11.1 A candidate who, before admission to candidature, has spent time in advanced study in the University of Sydney, or in another university, or in another institution whose courses are deemed by the Faculty to be equivalent, may be deemed by the Faculty to have spent such time after admission to candidature.
- 12. Time limits**
- 12.1 Except with the permission of the Faculty on the recommendation of the head of discipline concerned, a full-time research candidate shall complete the requirements for the degree not earlier than the end of the second semester of candidature and not later than the end of the fourth semester of candidature.
- 12.2 Except with the permission of the Faculty on the recommendation of the head of discipline concerned, a part-time research candidate shall complete the requirements for the degree not earlier than the end of the fourth semester of candidature and not later than the end of the eighth semester of candidature.
- 13. Location**
- 13.1 Subject to approval of the supervisor, head of discipline and Board of Postgraduate Studies, the candidate may request a period of time away to pursue the course of advanced study and research within industrial laboratories or research institutions or other institutions considered by the Board of Postgraduate Studies on the recommendation of the head of discipline to provide adequate facilities and appropriate supervision for that candidature.
- 13.2 A candidate pursuing candidature outside Australia must also complete a minimum of one semester of candidature within the University before submission [but not necessarily immediately before submission] of the thesis.
- 14. Examination of thesis**
- 14.1 The examination of a thesis for the degree of Master of Philosophy shall follow closely the examination process as stipulated by the Resolutions of the Academic Board for the degree of Doctor of Philosophy (with any reference to the PhD Award Subcommittee being substituted by the Board of Postgraduate Studies) except for the following variations:
- 14.1.1 The head of discipline shall recommend the appointment of two examiners of the thesis of whom at least one shall be an external to the Faculty, not being a member of staff or a clinical academic title holder of the Faculty. Approval of the examiners is the responsibility of the Board of Postgraduate Studies.
- 14.1.2 The supervisor and head of discipline shall take all possible steps to ensure that examiners are appointed within four weeks of the submission of the thesis and where this does not occur, shall report the circumstances to the Board of Postgraduate Studies.

31. Postgraduate units of study

This chapter contains descriptions of units of study associated with the postgraduate coursework courses offered through the Faculty of Medicine.

The units of study are listed alphanumerically within each section, with those offered by the Faculty of Medicine listed first, then units offered by other faculties at the end.

For information on core and electives for any particular course please see the relevant chapter for that course, chapters 9–29.

Faculty of Medicine units of study

Bioethics units

BETH5000

Core Concepts in Bioethics

Credit points: 6 **Session:** Semester 1 **Classes:** The equivalent of two hours of seminars per week and up to 4 hours per week spent on online learning tasks, small group sessions, project work, and consultation with lecturers. **Assumed knowledge:** A three-year undergraduate degree in science, medicine, nursing, allied health sciences, philosophy/ethics, sociology/anthropology, history, or other relevant field, or by special permission. **Assessment:** Essays; short written assignments; research project/presentation. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: A limited number of students may be granted permission to take this unit during their honours year.

This unit of study provides a broad overview of the primary issues in, and theoretical approaches to, bioethics. Following an introduction to the history of bioethics and review of the major theoretical approaches to applied ethics, central debates in bioethics surrounding doctor-patient relationships, informed consent, privacy/confidentiality, research ethics, abortion, euthanasia, genetics, cloning, stem cell research, justice and distribution of health care resources, etc., are examined. In addition to classical cases and traditional theoretical perspectives, emerging topics and alternative perspectives are explored. The unit concludes with the topic of global public health and socio-political critique(s) of the discipline of bioethics itself. Learning activities will include seminars, small group sessions, and project work. It is recommended, but not required, that BETH5000 is taken during students' first semester in the program.

BETH5101

Introduction to Ethical Reasoning

Credit points: 6 **Session:** Semester 1 **Classes:** The equivalent of two hours of seminar/week and up to 4 hours per week spent on online learning tasks, small group sessions, project work, and consultation with lecturers **Assumed knowledge:** A three-year undergraduate degree in science, medicine, nursing, allied health sciences, philosophy/ethics, sociology/anthropology, history, or other relevant field, or by special permission. **Assessment:** Essays; short written assignments; research project/presentation. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: A limited number of students may be granted permission to take this unit during their honours year.

This unit prepares students for advanced analysis of issues in bioethics by laying foundations in both critical thinking and ethical theory. Following an introduction to the construction and assessment of

arguments, central issues of debate in meta-ethics, normative ethics, and political philosophy are examined. Major traditional (historical, consequential, deontological, contractarian/egalitarian, and communitarian) theoretical frameworks as well as postmodern/continental perspectives are introduced and critically evaluated. The unit concludes with an introduction to applied and professional ethics. It is recommended, but not required, that BETH5101 is taken during students' first semester in the program.

BETH5102

Philosophy of Medicine

Credit points: 6 **Session:** Semester 1 **Classes:** One 2-hour seminar per week with up to 4 hours per week spent on online learning tasks, small group sessions, project work, and consultation with lecturers. **Assumed knowledge:** A three-year degree in science, medicine, nursing, allied health sciences, philosophy/ethics, sociology/anthropology, history, or other relevant field - or by special permission. **Assessment:** Essays, short written assignments, research project/presentation. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: A limited number of students may be granted permission to take this unit during their honours year.

This unit of study introduces students to the broader philosophical issues and epistemological structures that underlie medicine and the biomedical sciences. The unit will begin by introducing students to the philosophy of science and medicine, epistemology and the concepts of health, illness and disease. The second part of the unit will review debates regarding disease causation and the social construction of disease. Students will then consider issues relating to the generation and use of knowledge and evidence, and the differences between conventional and alternative/non-Western approaches to illness and healing. The final part of the unit will focus on diagnosis, nosology and classification of disease, with particular reference to mental illness.

BETH5103

Biomedicine and Society

Credit points: 6 **Session:** Semester 2 **Classes:** The equivalent of one 2-hour seminar per week with up to 4 hours per week spent on online learning tasks, small group sessions, project work and consultation with lecturers. **Assumed knowledge:** A three-year undergraduate degree in science, medicine, nursing, allied health sciences, philosophy/ethics, sociology/anthropology, history, or other relevant field, or by special permission. **Assessment:** Essays, short written assignments, presentation/project. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: A limited number of students may be granted permission to take this unit during their honours year.

This unit introduces students to the complex relationships between biomedicine and society utilizing several disciplines including philosophy, ethics, sociology, anthropology and linguistics. Students will consider issues such as power in the biomedical professions and industries; the illness experience; the role of the healer; biomedicine and indigenous cultures and non-western notions of illness and care.

BETH5104

Bioethics, Law and Society

Credit points: 6 **Session:** Semester 1 **Classes:** The equivalent of one 2-hour seminar per week presented in an intensive format with up to four hours per week spent on online learning tasks, small group sessions and consultation with lecturers. **Assumed knowledge:** A three-year undergraduate degree in science, medicine, nursing, allied health sciences, philosophy/ethics, sociology/anthropology, history, or other relevant field, or by special permission **Assessment:** Essays, short written assignments. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day



The unit of study will begin by introducing students to interrelationships between health care, ethics and the law. In particular students will explore the moral basis of law and the means by which law influences moral norms, clinical practice and health policy. Students will be shown how to critically read and analyse primary sources of law relevant to bioethics. Students will then examine a number of areas of law that have particular significance for bioethics and society including the law of tort (consent and standards of care), contract (confidentiality), criminal law (euthanasia and abortion), public health law, administrative law and law reform.

BETH5201

Ethics and Biotech: Genes and Stem Cells

Credit points: 6 **Session:** Semester 2 **Classes:** The equivalent of one 2-hour seminar per week presented in flexible mode incorporating seminars and an intensive format. In addition, students will spend up to four hours per week on online learning tasks, small group sessions, project work and consultation **Assumed knowledge:** A three-year undergraduate degree in science, medicine, nursing, allied health sciences, philosophy/ethics, sociology/anthropology, history, or other relevant field, or by special permission. **Assessment:** Essays, short written assignments, presentation/project. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day
Note: A limited number of students may be granted permission to take this unit during their honours year.

This unit introduces students to the broader social/political, ethical/philosophical and legal/regulatory issues that underlie genetics, stem cell research and the emerging biotechnologies. The unit will provide a brief overview of the relevant science before considering scientific, cultural and religious understandings of life and human identity. The second part of the unit will review the political, regulatory and commercial context of biotechnology and the control of information. Students will then review the history of genetics and eugenics and the ethical issues that arise in clinical and population genetics, stem cell research and cloning. The final part of the unit will explore the boundaries of research and knowledge and the issues raised by emerging biotechnologies, such as nanotechnology and proteomics. Learning activities will include an intensive seminar program, small group sessions and reading. Students will be able to concentrate on stem cell research, clinical or molecular genetics or other biotechnologies according to their clinical and scientific interests and experience.

BETH5202

Human and Animal Research Ethics

Credit points: 6 **Teacher/Coordinator:** Dr Karolyn White **Session:** Semester 2 **Classes:** The equivalent of one 2-hour seminar per week presented in flexible mode incorporating seminars and an intensive format. In addition, students will spend up to four hours per week on online learning tasks, small group sessions, project work and consultation **Assumed knowledge:** A three-year undergraduate degree in science, medicine, nursing, allied health sciences, philosophy/ethics, sociology/anthropology, history, or other relevant field, or by special permission. **Assessment:** Essays, short written assignments, projects/presentations. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day or Distance Education
Note: A limited number of students may be granted permission to take this unit during their honours year.

This unit introduces students to research ethics in its social context. Students will first analyse the philosophical underpinnings of the research endeavour, including the justifications for engaging in research, research priorities and research integrity. The unit will then review the history of research and research abuses, the evolution of research ethics and the regulation of research in Australia. The second part of the unit will focus on issues arising in the conduct of research including: the protection of research subjects (both human and animal), consent, confidentiality and risk/benefit analysis.

BETH5203

Ethics and Public Health

Credit points: 6 **Session:** Semester 2 **Classes:** The equivalent of one 2-hour seminar per week will be presented in an intensive format. In addition, students will spend up to four hours per week on online learning tasks, small group sessions, project work and consultation with lecturers over the course **Assumed knowledge:** A three-year undergraduate degree in science, medicine, nursing, allied health sciences, philosophy/ethics, sociology/anthropology, history, or other relevant field, or by special permission. **Assessment:** Essays, short written

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

Note: A limited number of students may be granted permission to take this unit during their honours year.

This unit will provide students with an overview of the broader philosophical, ethical, sociopolitical and cultural issues that underlie public health and public health research. Students will first review the history of public health and examine the values that underpin health promotion and disease prevention. The second part of the unit will critique the place of facts and values in public health and the construction and use of information, with particular reference to evidence-based-medicine. The third part of the unit will examine the cultural, moral and social context of public health including the social determinants of health, the construction of health services, the determination of research priorities and issues relating to human rights and global health. Learning activities will include 2-hour weekly seminars and readings. Assessment tasks will consist of essays and a presentation/project.

BETH5204

Clinical Ethics

Credit points: 6 **Session:** Semester 1 **Classes:** The equivalent of one 2-hour seminar per week presented in an intensive format. In addition, students will spend up to four hours per week on small group sessions, project work, portfolio development and discussion, and consultation with lecturers. (Stu **Assumed knowledge:** Honours or equivalent degree, or other appropriate terminal undergraduate degree (such as a three-year nursing degree) in science, medicine, nursing, allied health sciences, philosophy/ethics, sociology/anthropology, history, or other relevant field-or by special permission. **Assessment:** Two essays, reflective portfolio/journal via WebCT and a project/presentation on the analysis of a case **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education or Block Mode

Note: A limited number of students may be granted permission to take this unit during their honours year.

This unit will provide students with an overview of the broader philosophical, ethical, sociopolitical, and cultural issues that underlie the delivery of healthcare. Students will first explore major conceptual models for ethical reasoning in the clinical context; the design and delivery of clinical ethics consultation; and issues relating to the role of the professions. The second part of the unit will examine the foundations of clinical practice, including consent, competence, veracity, confidentiality, and decision-making. The third part of the unit will consider specific issues and populations within clinical practice, such as the care of vulnerable populations, mental health, and chronic illness. The next part of the unit will focus on skills associated with clinical ethics including analytic and mediation skills. The unit will conclude with reflections on current debates in the Australian healthcare context, particularly issues associated with healthcare rationing. Learning activities will include lectures (in an intensive format), facilitated discussion, case study presentations, and readings. Assessment tasks will consist of essays, a portfolio/journal, and a presentation/project.

BETH5205

Ethics and Mental Health

Credit points: 6 **Session:** Semester 2 **Classes:** One 2-hour seminar per week with 4 hours per week spent on consultation, on-line work, library work, independent study. **Assessment:** One short essay (1,500 words); one long essay (4,000 words); on-line task, participation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Mental health and mental illness are unique in the field of health care and bioethics. The very nature of psychiatric disorder and its relationship with prevailing social and cultural factors, in addition to the unique status of the mental health patient, necessitate a specific discourse in biomedical ethics in the area of mental health. This course will provide participants with a broad perspective of issues in bioethics applied to mental health and mental illness. Students will examine the history of the psychiatric profession and consider the adequacy of current safeguards against the abuses of power seen in the history of the profession of psychiatry. Other areas considered in the course include the current ethical dilemmas in mental health care, the implications of technological advances in the neurosciences, the

philosophical basis of the concept of mental disorder, the relationship between power and the psychiatric profession and the complex relationship between morality, mental health and the law. The course aspires to inform future decision makers in health, public policy, clinical settings and academia in the unique aspects of biomedical ethics in the field of mental health.

Textbooks

Bloch, S; Green, S; Chodoff, P *Psychiatric Ethics* New York. Oxford University Press (4th Edition will be released late 2007)

BETH5301

Research Project A

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** Weekly consultation with supervisor(s). **Prerequisites:** Distinction average (or higher) in 24 credit points of BETH units of study. **Assessment:** Research tasks, 15,000 word thesis (in conjunction with BETH5302). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Only available to students admitted to the Master of Bioethics (Honours) degree. BETH5301 must be taken in conjunction with BETH5302. It is recommended, but not required, that BETH5301 and BETH5302 are taken in separate semesters.

This unit must be taken in conjunction with BETH5302 (Research Project B). These units are only available to students admitted to the Master of Bioethics (Honours) degree track. The Research Project (i.e. parts A and B combined) provides opportunity for research and in-depth learning in a bioethics topic of special interest or importance to the student. Successful completion of the project may also provide students with the research experience required for the pursuit of a higher degree. This unit involves independent research and regular meetings with (a) supervisor(s). In the process of completing the Research Project (i.e. parts A and B combined), students will produce an original 15,000 word thesis. Choice of thesis topic depends on availability of appropriate supervisor(s). It is recommended, but not required, that BETH5301 and BETH5302 are taken in separate semesters. A mark for both BETH5301 and BETH5302 combined is provided at the completion of BETH5302 (upon submission of thesis). It is possible to take these units in distance mode.

BETH5302

Research Project B

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** Weekly consultation with supervisor(s). **Assessment:** Research tasks, 15,000 word thesis (in conjunction with BETH5301). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Only available to students admitted to the Masters of Bioethics (Honours) degree. Must be taken in conjunction with BETH5301. It is recommended, but not required that BETH5301 and BETH5302 are taken in separate semesters.

This unit must be taken in conjunction with BETH5301 (Research Project A). These units are only available to students admitted to the Master of Bioethics (Honours) degree. The Research Project (i.e. parts A and B combined) provides opportunity for research and in-depth learning in a bioethics topic of special interest or importance to the student. Successful completion of the project may also provide students with the research experience required for the pursuit of a higher degree. This unit involves independent research and regular meetings with (a) supervisor(s). In the process of completing the Research Project (i.e. parts A and B combined), students will produce an original 15,000 word thesis. Choice of thesis topic depends on availability of appropriate supervisor(s). It is recommended, but not required, that BETH5301 and BETH5302 are taken in separate semesters. A mark for both BETH5301 and BETH5302 combined is provided at the completion of BETH5302 (upon submission of thesis). It is possible to take these units in distance mode.

Biostatistics units

BSTA5001

Mathematics Background for Biostatistics

Credit points: 6 **Teacher/Coordinator:** Dr Keith Dear, Australian National University (semester 1), Associate Professor Julian Leslie, Macquarie University (semester 2) **Session:** Semester 1, Semester 2 **Classes:** 8-12 hours total

study time per week, distance learning **Assessment:** 3 assignments (20%, 40% and 40%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education

The aim of this unit is to provide students with the mathematics required for studying biostatistics at a more rigorous level. On completion of this unit students should be able to follow the mathematical demonstrations and proofs used in biostatistics at Masters degree level, and to understand the mathematics behind statistical methods introduced at that level. The intention is to allow students to concentrate on statistical concepts in subsequent units, and not be distracted by the mathematics employed. Content: basic algebra and analysis; exponential functions; calculus; series, limits, approximations and expansions; matrices and numerical methods.

Textbooks

Anton H, Bivens I, Davis S. *Calculus: early transcendentals* version, 8th edition. Wiley, 2005

BSTA5002

Principles of Statistical Inference

Credit points: 6 **Teacher/Coordinator:** Ms Adrienne Kirby, University of Sydney (semester 1), Dr Patrick Kelly, University of Sydney (semester 2) **Session:** Semester 1, Semester 2 **Classes:** 8-12 hours total study time per week, distance learning **Prerequisites:** BSTA5023 **Assessment:** 2x written assignments (2x35%) and practical exercises (30%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education

The aim of this unit is to provide a strong mathematical and conceptual foundation in the methods of statistical inference, with an emphasis on practical aspects of the interpretation and communication of statistically based conclusions in health research. Content covered includes: review of the key concepts of estimation and construction of Normal-theory confidence intervals; frequentist theory of estimation including hypothesis tests; methods of inference based on likelihood theory, including use of Fisher and observed information and likelihood ratio; Wald and score tests; an introduction to the Bayesian approach to inference; an introduction to distribution-free statistical methods.

Textbooks

Notes supplied. Recommended reference books (not compulsory): Azzalini A. *Statistical Inference Based on the Likelihood*. Chapman and Hall, London 1996. Clayton D, Hills M. *Statistical Models in Epidemiology*. Oxford University Press, Oxford, 1993.

BSTA5003

Health Indicators and Health Surveys

Credit points: 6 **Teacher/Coordinator:** Mr Kevin McGeechan, University of Sydney **Session:** Semester 1 **Classes:** 8-12 hours total study time per week, distance learning **Corequisites:** BSTA5001 **Assessment:** 4x written assignments (2x20%, 2x26%), online discussion and participation (8%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education

On completion of this unit students should be able to derive and compare population measures of mortality, illness, fertility and survival, be aware of the main sources of routinely collected health data and their advantages and disadvantages, and be able to collect primary data by a well-designed survey and analyse and interpret it appropriately. Content covered in this unit includes: Routinely collected health-related data; quantitative methods in demography, including standardisation and life tables; health differentials; design and analysis of population health surveys including the roles of stratification, clustering and weighting.

Textbooks

Scheaffer RL, Mendenhall W, Ott RL. *Elementary Survey Sampling*. 6th edition. Wadsworth 2006. Notes supplied

BSTA5004

Data Management & Statistical Computing

Credit points: 6 **Teacher/Coordinator:** Professor Cate D'Este and Mr Stephen Halpin, University of Newcastle (semester 1), University of Melbourne (semester 2) **Session:** Semester 1, Semester 2 **Classes:** 8-12 hours total study time per week, distance learning **Assessment:** 3x written assignments (15%, 15%, 30%), 1x at-home examination (40%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education

The aim of this unit is to introduce students to essential concepts and tools required for the management and analysis of data using modern statistical software. Data management principles and concepts are

developed using relational database software (Microsoft Access). Data manipulation, descriptive analysis and interpretation are introduced using SAS and Stata statistical software. Students will also acquire skills in data display, summary presentation and pattern recognition using these tools.

Textbooks

Recommended if you have not used SAS or Stata before:

Cody R, Smith J. Applied Statistics & the SAS Programming Language. 5th edition. Prentice Hall 2005. Hills M & De Stavola B. A Short Introduction to Stata for Biostatistics. Timberlake 2006. Order online at www.survey-design.com.au

BSTA5005

Clinical Biostatistics

Credit points: 6 **Teacher/Coordinator:** Professor Annette Dobson, University of Queensland **Session:** Semester 1 **Classes:** 8-12 hours total study time per week, distance learning **Prerequisites:** BSTA5001 and (BSTA5011 or PUBH5010) **Corequisites:** BSTA5002 **Assessment:** 4xwritten assignments (2x20% and 2x25%) and online discussions (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education

The aim of this unit is to enable students to use correctly statistical methods of particular relevance to evidence-based health care and to advise clinicians on the application of these methods and interpretation of the results. This unit will look at: Clinical agreement: Bland-Altman method, kappa statistics, intraclass correlation; diagnostic tests: sensitivity, specificity, predictive value, ROC curves, likelihood ratios; statistical process control: special and common causes of variation, Shewhart CUSUM and EWMA charts; systematic reviews: process estimating treatment effect, assessing heterogeneity, publication bias.

Textbooks

Notes supplied

BSTA5006

Design of Randomised Controlled Trials

Credit points: 6 **Teacher/Coordinator:** Professor Philip Ryan, University of Adelaide **Session:** Semester 2 **Classes:** 8-12 hours total study time per week, distance learning **Prerequisites:** BSTA5001 and (BSTA5011 or PUBH5010) **Assessment:** 3xwritten assignments (30%, 30%, 40%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education

The aim of this unit is to enable students to understand and apply the principles of design and analysis of experiments, with a particular focus on randomised controlled trials (RCTs), to a level where they are able to contribute effectively as a statistician to the planning, conduct and reporting of a standard RCT. This unit covers: Principles and methods of randomisation in controlled trials; treatment allocation, blocking, stratification and allocation concealment; parallel, factorial and crossover designs including n-of-1 studies; practical issues in sample size determination; intention-to-treat principle; phase I dose-finding studies; phase II safety and efficacy studies; interim analyses and early stopping; multiple outcomes/endpoints, multiple tests and subgroup analyses, including adjustment of significance levels and P-values; reporting trial results and use of the CONSORT statement.

Textbooks

Piantadosi S. Clinical Trials: a Methodological Perspective, 2nd edition. Wiley 2005. Notes supplied

BSTA5007

Linear Models

Credit points: 6 **Teacher/Coordinator:** Professor John Carlin, University of Melbourne, Professor Andrew Forbes, Monash University **Session:** Semester 2 **Classes:** 8-12 hours total study time per week, distance learning **Prerequisites:** BSTA5002 and (BSTA5011 or PUBH5010) **Assessment:** 2xwritten assignments (35%, 40%), submitted exercises (20%), online quizzes (5%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education

The aim of this unit is to enable students to apply methods based on linear models to biostatistical data analysis, with proper attention to underlying assumptions and a major emphasis on the practical interpretation and communication of results. This unit will cover: the method of least squares; regression models and related statistical inference; flexible nonparametric regression; analysis of covariance to adjust for confounding; multiple regression with matrix algebra;

model construction and interpretation (use of dummy variables, parametrisation, interaction and transformations); model checking and diagnostics; regression to the mean; handling of baseline values; the analysis of variance; variance components and random effects.

Textbooks

Recommended: Kutner MH, Nachtsheim CJ, Neter J, Li W. Applied Linear Statistical Models. 5th edition. McGraw-Hill/Irwin 2005. Notes supplied.

BSTA5008

Categorical Data and GLMs

Credit points: 6 **Teacher/Coordinator:** Professor Gail Williams, University of Queensland **Session:** Semester 2 **Classes:** 8-12 hours total study time per week, distance learning **Corequisites:** BSTA5007 **Assessment:** submitted exercises (54%), 2xwritten assignments (2x20%), online discussions (6%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education

The aim of this unit is to enable students to use generalised linear models (GLMs) and other methods to analyse categorical data, with proper attention to underlying assumptions. There is an emphasis on the practical interpretation and communication of results to colleagues and clients who might not be statisticians. This unit covers: Introduction to and revision of conventional methods for contingency tables especially in epidemiology; odds ratios and relative risks, chi-squared tests for independence, Mantel-Haenszel methods for stratified tables, and methods for paired data. The exponential family of distributions; generalised linear models (GLMs), and parameter estimation for GLMs. Inference for GLMs - including the use of score, Wald and deviance statistics for confidence intervals and hypothesis tests, and residuals. Binary variables and logistic regression models - including methods for assessing model adequacy. Nominal and ordinal logistic regression for categorical response variables with more than two categories. Count data, Poisson regression and log-linear models.

Textbooks

Notes supplied

BSTA5009

Survival Analysis

Credit points: 6 **Teacher/Coordinator:** Dr Petra Graham, Macquarie University **Session:** Semester 1 **Classes:** 8-12 hours total study time per week, distance learning **Prerequisites:** BSTA5007 **Assessment:** 3xwritten assignments (3x22.5%), 1xexamination (22.5%), online participation (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education

The aim of this unit is to enable students to analyse data from studies in which individuals are followed up until a particular event occurs, e.g. death, cure, relapse, making use of follow-up data also for those who do not experience the event, with proper attention to underlying assumptions and a major emphasis on the practical interpretation and communication of results. The content covered in this unit includes: Kaplan-Meier life tables; logrank test to compare two or more groups; Cox's proportional hazards regression model; checking the proportional hazards assumption; time-dependent covariates; multiple or recurrent events; sample size calculations for survival studies.

Textbooks

Hosmer DW, Lemeshow S, May S. Applied Survival Analysis: Regression Modeling of Time to Event Data, 2nd edition. Wiley Interscience 2008. Recommended: Cleves M, Gould W, Gutierrez R. An Introduction to Survival Analysis Using Stata, 2004. Stata Press - <http://survey-design.com.au/> Notes supplied.

BSTA5011

Epidemiology for Biostatisticians

Credit points: 6 **Teacher/Coordinator:** Dr Andrew Page, University of Queensland **Session:** Semester 2 **Classes:** 8-12 hours total study time per week, distance learning **Prohibitions:** PUBH5010 **Assessment:** 3xwritten assignments (20%, 25%, 35%) and exam (20%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education

On completion of this unit students should be familiar with the major concepts and tools of epidemiology, the study of health in populations, and should be able to judge the quality of evidence in health-related research literature.

This unit covers: historical developments in epidemiology; sources of data on mortality and morbidity; disease rates and standardisation; prevalence and incidence; life expectancy; linking exposure and

disease (eg. relative risk, attributable risk); main types of study designs - case series, ecological studies, cross-sectional surveys, case-control studies, cohort or follow-up studies, randomised controlled trials; sources of error (chance, bias, confounding); association and causality; evaluating published papers; epidemics and epidemic investigation; surveillance; prevention; screening; the role of epidemiology in health services research and policy.

Textbooks
Notes supplied

BSTA5012

Longitudinal and Correlated Data

Credit points: 6 **Teacher/Coordinator:** Professor Andrew Forbes, Monash University, Professor John Carlin, University of Melbourne **Session:** Semester 1 **Classes:** 8-12 hours total study time per week, distance learning **Prerequisites:** BSTA5008 **Assessment:** practical exercises and online discussions (20%) and 2xwritten assignments (40% each) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education

This unit aims to enable students to apply appropriate methods to the analysis of data arising from longitudinal (repeated measures) epidemiological or clinical studies, and from studies with other forms of clustering (cluster sample surveys, cluster randomised trials, family studies) that will produce non-exchangeable outcomes. Content covered in this unit includes: Paired data; the effect of non-independence on comparisons within and between clusters of observations; methods for continuous outcomes; normal mixed effects (hierarchical or multilevel) models and generalised estimating equations (GEE); role and limitations of repeated measures ANOVA; methods for discrete data; GEE and generalised linear mixed models (GLMM); methods for count data.

Textbooks
Recommended: Fitzmaurice G, Laird N, Ware J. Applied Longitudinal Analysis. John Wiley and Sons, 2004. Notes supplied.

BSTA5013

Bioinformatics

Credit points: 6 **Teacher/Coordinator:** Professor Graham Wood, Macquarie University **Session:** Semester 2 **Classes:** 8-12 hours total study time per week, distance learning **Prerequisites:** BSTA5008 **Assessment:** 4xwritten assignments (15%each), at-home exam (40%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education

Aim: Bioinformatics addresses problems related to the storage, retrieval and analysis of information about biological structure. This unit will provide a broad-ranging study of this application of quantitative methods in biology. Topics studied will be selected from: data sources, data retrieval, quantitative methods in genome science, proteome science, population genetics, evolutionary genetics and animal and plant breeding. A suitable preparation in statistics and in biology is strongly recommended. Content: Basic notions in biology; basic principles of population genetics; analysis of one DNA or protein sequence; analysis of multiple DNA or protein sequences; data sources and retrieval - NCBI and BLAST; hidden Markov models and their applications; evolutionary models; phylogenetic tree estimation; functional genomics; proteomics.

Textbooks
Notes supplied.

BSTA5014

Bayesian Statistical Methods

This unit of study is not available in 2009

Credit points: 6 **Teacher/Coordinator:** Dr Lyle Gurrin, University of Melbourne **Session:** Semester 2 **Classes:** 8-12 hours total study time per week, distance learning **Prerequisites:** BSTA5008 **Assessment:** Assignments 100% (2xmajor assignments worth 30% each, 4xminor assignments worth 10% each) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education

The aim of this unit is to achieve an understanding of the logic of Bayesian statistical inference, i.e. the use of probability models to quantify uncertainty in statistical conclusions, and acquire skills to perform practical Bayesian analysis relating to health research problems. This unit covers: simple one-parameter models with conjugate prior distributions; standard models containing two or more parameters, including specifics for the normal location-scale model;

the role of non-informative prior distributions; the relationship between Bayesian methods and standard "classical" approaches to statistics, especially those based on likelihood methods; computational techniques for use in Bayesian analysis, especially the use of simulation from posterior distributions, with emphasis on the WinBUGS package as a practical tool; application of Bayesian methods for fitting hierarchical models to complex data structures.

Textbooks
Gelman A, Carlin JB, Stern HS, Rubin DB. Bayesian Data Analysis, 2nd ed. Chapman and Hall, 2003

BSTA5015

Advanced Clinical Trials

Credit points: 6 **Teacher/Coordinator:** Associate Professor Val Gebski, University of Sydney **Session:** Semester 2 **Classes:** 8-12 hours total study time per week, Distance learning **Prerequisites:** BSTA5006, BSTA5007 **Assessment:** 3xwritten assignments (25%, 25% and 10%) and 1x at-home examination (40%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education

This elective unit extends and enhances the concepts developed in BSTA5006 Design of Experiments and RCTs. On completion, students have the knowledge and skills required at an advanced professional level to design and analyse clinical trials, including cross-over designs and equivalence trials, and to identify and implement statistical methods for trial monitoring and reporting, with appropriate knowledge of regulatory requirements. This unit covers: methods in RCTs for determining: stopping rules for interim analyses (O'Brien-Fleming, Peto), spending functions, stochastic curtailment; statistical principles encountered in relation to aspects of regulatory guidelines (ICH, FDA, EMEA), and related to reports prepared for data safety and monitoring committees (DSMC); design and analysis of cross-over trials (period effects, interactions); equivalence and non-inferiority trials; problems of defining and using surrogate endpoints as alternatives to direct clinical outcomes.

Textbooks
Senn S. Cross-over trials in clinical research, 2nd edition 2002, Wiley. Recommended: Jennison C, Turnbull BW. Group sequential methods with applications to clinical trials 2000, Chapman & Hall. Notes supplied.

BSTA5020

Workplace Project Portfolio Part A

Credit points: 6 **Teacher/Coordinator:** Professor Judy Simpson, University of Sydney **Session:** Semester 1, Semester 2 **Classes:** Supervision by an experienced biostatistician **Prerequisites:** 24 credit points including BSTA5004 and BSTA5007 **Corequisites:** BSTA5021 **Prohibitions:** BSTA5022 **Assessment:** There is no assessment for Part A. For Part B, the portfolio will be examined by two examiners, at least one of whom will be internal to the University of Sydney. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

The aim of this unit is to give master's students practical experience, usually in workplace settings, in the application of knowledge and skills learnt during the coursework of the master's program. Students will provide evidence of having met this goal by presenting a portfolio made up of a preface and two project reports. The projects should not all be of the same type and must involve the use of different statistical methods and concepts. At least one project should involve complex multivariable analysis of data. Students should enrol in both Workplace Project Portfolio A and Workplace Project Portfolio Part B, either in semesters 1 and 2 respectively, or both in the same semester.

Textbooks
There are no essential readings for this unit.

BSTA5021

Workplace Project Portfolio Part B

Credit points: 6 **Teacher/Coordinator:** Professor Judy Simpson, University of Sydney **Session:** Semester 1, Semester 2 **Classes:** Supervision by an experienced biostatistician **Prerequisites:** 24 credit points including BSTA5004 and BSTA5007 **Assessment:** There is no assessment for Part A. For Part B, the portfolio will be examined by two examiners, at least one of whom will be internal to the University of Sydney. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

The aim of this unit is to give master's students practical experience, usually in workplace settings, in the application of knowledge and skills learnt during the coursework of the master's program. Students will provide evidence of having met this goal by presenting a portfolio made up of a preface and two project reports. The projects should not all be of the same type and must involve the use of different statistical methods and concepts. At least one project should involve complex multivariable analysis of data. Students should enrol in both Workplace Project Portfolio A and Workplace Project Portfolio Part B, either in semesters 1 and 2 respectively, or both in the same semester.

Textbooks

There are no essential readings for this unit.

BSTA5022

Workplace Project Portfolio Part C

Credit points: 6 **Teacher/Coordinator:** Professor Judy Simpson, University of Sydney **Session:** Semester 1, Semester 2 **Classes:** supervision by an experienced biostatistician **Prerequisites:** 24 credit points including BSTA5004 and BSTA5007 **Prohibitions:** BSTA5020 **Assessment:** the portfolio will be examined by two examiners, at least one of whom will be internal to the University of Sydney **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

The aim of this unit is to give master's students practical experience, usually in workplace settings, in the application of knowledge and skills learnt during the coursework of the master's program. Students will provide evidence of having met this goal by presenting a portfolio made up of a preface and one project report. The project must involve complex multivariable analysis of data.

BSTA5023

Probability and Distribution Theory

Credit points: 6 **Teacher/Coordinator:** Dr Rory Wolfe, Monash University **Session:** Semester 1, Semester 2 **Classes:** 8-12 hours total study time per week, distance learning **Prerequisites:** BSTA5001 **Assessment:** practical exercises (20%) and 2xwritten assignments (40% each) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education

This unit begins with the study of probability, random variables, discrete and continuous distributions, and the use of calculus to obtain expressions for parameters of these distributions such as the mean and variance. Joint distributions for multiple random variables are introduced together with the important concepts of independence, correlation and covariance, marginal and conditional distributions. Techniques for determining distributions of transformations of random variables are discussed. The concept of the sampling distribution and standard error of an estimator of a parameter is presented, together with key properties of estimators. Large sample results concerning the properties of estimators are presented with emphasis on the central role of the Normal distribution in these results. General approaches to obtaining estimators of parameters are introduced. Numerical simulation and graphing with Stata is used throughout to demonstrate concepts.

Textbooks

Wackerly DD, Mendenhall W, Scheaffer RL. *Mathematical Statistics with Applications*, 7th edition, 2008, Duxbury Press, USA.

Clinical epidemiology units

CEPI5102

Literature Searching

Credit points: 2 **Teacher/Coordinator:** Dr Angela Webster **Session:** Semester 1, Semester 2 **Classes:** online unit **Assessment:** completion of online quizzes (20%), 1x2000word assignment (80%) **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

Students will learn how to formulate a searchable question; the pros and cons of different information sources; how to structure a computerised database search; important fields in MEDLINE; useful practical tips for searching MEDLINE; methodological filters, journal citation reports, and how to organise and manage references. The

assignment requires students to demonstrate their search skills for three clinical problems (marks allocated for how many relevant articles found, the content terms used, the methodological terms used, and the databases searched) and to demonstrate skills in the use of Web of Science and Endnote.

Textbooks

Online readings and other learning resources will be provided.

CEPI5200

Quality and Safety in Health Care

Credit points: 6 **Teacher/Coordinator:** Professor George Rubin, Associate Professor Marilyn Walton, Dr Sharon Reid **Session:** Semester 1 **Classes:** online unit. Expected students hours effort/week = 9 to 12 **Assumed knowledge:** clinical experience strongly recommended **Assessment:** online participation (40%) and 1x4500word assignment (60%) **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

The unit has six major content areas: background to Q&S in health care; professional and ethical practice; errors and adverse events; clinical governance; getting research into practice and improving healthcare. At the end of the unit students will: understand the background to quality and safety in health care, from Australian and international perspectives; understand the nature of health care error including the methods of error detection and monitoring, and quality indicators; understand the role of good communication and other professional responsibilities in quality and safety in healthcare; have developed an understanding of clinical governance, accountability and systems management; have considered methods for improving healthcare such as getting research into practice, clinical practice guidelines and clinical practice improvement. This unit consists of online discussions, group work and activities based around key provided readings and other resources.

Textbooks

Online readings and other learning resources will be provided.

CEPI5202

Advanced Evaluation of Diagnostic Tests

Credit points: 2 **Teacher/Coordinator:** Dr Sally Lord, Dr Clement Loy **Session:** Semester 2b **Classes:** 1x2hr seminar/week for 6 weeks **Corequisites:** PUBH5208 **Assessment:** presentation (20%), written assignment - maximum 4 typed pages (80%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

The aim of this unit is to critically appraise and apply, at an advanced level, the best evidence on diagnostic tests. This unit will help students to acquire advanced knowledge and skills in: assessing the quality of articles about diagnostic tests; extracting useful measures of test accuracy; and determining the value of the tests for different patients. At the end of this unit participants will be able to (at an advanced level): critically appraise articles assessing the validity and repeatability of diagnostic tests, and use information from diagnostic test articles to estimate the probabilities of alternative diagnoses with different test results. The unit is based on discussion of pre-circulated reading material. Assessment will be based on a paper selected for discussion in the final week.

Textbooks

Course notes are provided.

CEPI5203

Introduction to Systematic Reviews

Credit points: 2 **Teacher/Coordinator:** Dr Sharon Reid, Professor Jonathan Craig **Session:** Semester 2a **Classes:** offered in online and face-to-face mode (1x2hr seminar/week for 6 weeks) **Assessment:** submission of weekly tasks and participation in discussion (30%) and assignment 1x2000word report (70%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day or On-line

Students will learn how to critically appraise a review of the effectiveness of an intervention; how to do a meta-analysis; how to weigh up benefits and harms (applicability); how to avoid misleading meta-analyses and how to find or do better systematic reviews. At the end of this unit, participants should be able to: search for systematic reviews; critically appraise reviews of randomised controlled trials, do a meta-analysis of randomised trials using available software; and use meta-analytic methods for weighing up benefits and harms of an

intervention in individual patient management and practice policy development. The assignment task is to: outline a clinical or health policy decision that you need to make; identify a systematic review that can help you with your decision-making; critically appraise this source; outline your decision and how you used the evidence to reach it; outline what additional information you would like and how you would obtain it (this may include further analyses on the data presented in the review, further reviews or suggestions for further primary studies).

Textbooks

Online readings and other learning resources will be provided.

CEPI5204

Advanced Systematic Reviews

Credit points: 2 **Teacher/Coordinator:** Dr Lisa Askie, Dr Angela Webster, Dr Mike Jones **Session:** Semester 2b **Classes:** 1x2hr seminar/week for 6 weeks **Prerequisites:** CEPI5203 **Assessment:** presentation (10%), written assignment (90%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

The aim of this unit is to critically appraise and apply, at an advanced level, the best evidence on systematic reviews. This unit extends beyond the 'Introduction to Systematic Reviews' unit by exploring in-depth important issues around systematic reviews. At the end of the unit, students should be able to understand the advantages of individual patient meta-analyses; critically appraise a review of observational studies; understand differences in systematic review of observational studies compared with randomized trials, understand the potential pitfalls of meta-regression, perform and interpret a sub-group and meta-regression analysis, analyse continuous data and understand the methods by which missing data can be imputed, and understand the common problems in meta-analysis of continuous data. The seminar sessions are interactive and based on discussion of reading assignments; two sessions are based in the computer lab.

Textbooks

Course notes are provided.

CEPI5205

Doing a Systematic Review

Credit points: 6 **Teacher/Coordinator:** Dr Angela Webster **Session:** Semester 1, Semester 2 **Classes:** student project under supervision **Prerequisites:** CEPI5203 **Corequisites:** CEPI5102 **Assessment:** 1x2500word systematic review (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit provides an opportunity to further develop knowledge and skills in systematic reviews by undertaking a systematic review (ideally including a meta analysis) in an area nominated by the student. The student will be supported by a nominated supervisor. At the end of this unit, students should be able to: undertake a systematic review; do a meta-analysis of randomised trials using available software, and submit the review in the form of a paper suitable for submission to a peer reviewed scientific, academic or professional journal. The assessment task is to undertake a systematic review and present the review in the form of a paper suitable for submission to a peer reviewed scientific, academic or professional journal. Ideally the review will include a meta analysis of selected study results.

Textbooks

There are no essential readings for this unit.

CEPI5206

Intro Teaching Clinical Epidemiology

Credit points: 2 **Teacher/Coordinator:** Dr Sharon Reid **Session:** Semester 1, Semester 2 **Classes:** independent study, expected student effort 3-4 hours/week (36-48 hours/semester) **Prerequisites:** PUBH5010 **Corequisites:** PUBH5208 and CEPI5203 **Assessment:** course materials developed and evaluation report (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

The aim of this unit is to further students' knowledge and skills in teaching clinical epidemiology at an introductory level. Students have the opportunity to develop their own teaching modules based upon the modules they have been exposed to in the Clinical Epidemiology Program at the University of Sydney. There is no additional

face-to-face teaching. Participants are expected to develop, teach and evaluate a clinical epidemiology module of at least 3 hours teaching time. Participants will use the unit coordinator as a supervisor for their work in this unit. By the end of this unit participants will have developed, delivered and evaluated a teaching module in Clinical Epidemiology by: developing materials about clinical epidemiology relevant to the target audience and setting; developed a method of teaching which is relevant to the target audience and setting; developing and using an assessment tool appropriate for the teaching module; developing and using a method of evaluation appropriate for the teaching module.

Textbooks

Recommended: Sackett DL, Richardson WS, Rosenberg W, Haynes RB. Evidence-base medicine. How to practice and teach EBM. Churchill Livingstone, Edinburgh.

CEPI5207

Advanced Teaching Clinical Epidemiology

Credit points: 6 **Teacher/Coordinator:** Dr Sharon Reid **Session:** Semester 1, Semester 2 **Classes:** independent study, expected student effort 9-12 hours/week (108 - 144 hours/semester) **Prerequisites:** PUBH5010 **Corequisites:** PUBH5208 and CEPI5203 **Assessment:** 1x2500word essay, course materials developed and evaluation report (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit aims to further participants knowledge and skills in teaching clinical epidemiology - at an advanced level. Participants have the opportunity to develop their own teaching modules based upon the modules they have been exposed to in the Clinical Epidemiology Program at the University of Sydney. There is no additional face-to-face teaching. Participants are expected to develop, teach and evaluate a clinical epidemiology module of at least 9 hours teaching time. They are also expected to nominate a topic in the area of Teaching Clinical Epidemiology and explore the area in an essay. By the end of this unit participants will have developed, delivered and evaluated a teaching module in Clinical Epidemiology by: developing materials about clinical epidemiology relevant to the target audience and setting; developed a method of teaching which is relevant to the target audience and setting; developing and using an assessment tool appropriate for the teaching module; developing and using a method of evaluation appropriate for the teaching module; explored, through an essay, an academic area of interest in Teaching Clinical Epidemiology.

Textbooks

Recommended: Sackett DL, Richardson WS, Rosenberg W, Haynes RB. Evidence-base medicine. How to practice and teach EBM. Churchill Livingstone, Edinburgh.

CEPI5210

Clinical Research Development & Practice

Credit points: 4 **Teacher/Coordinator:** Professor Jonathan Craig, Dr Clement Loy **Session:** Semester 1 **Classes:** (2hr lec/tut)/wk x 12 weeks **Assessment:** 1xassignment (60%) and class presentations (40%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Evening

In this unit the student will develop his/her own research proposal, to a standard suitable for a peer-reviewed granting body. Each section of a grant proposal (Aims, Background, Significance, Methods, Analysis) will be discussed in class, with the student presenting and refining the corresponding section of his/her own proposal in a workshop setting. This will then be complemented by presentations from experienced researchers on the practical aspects of clinical epidemiological research, including: funding application, ethical approval, implementation of study designs and publication strategies.

CEPI5211

Introduction to Genetic Epidemiology

Credit points: 2 **Teacher/Coordinator:** Dr Clement Loy **Session:** Semester 2a **Classes:** (2hr lec/tut)/wk x 6 weeks **Assessment:** 1x2000 wd assignment (70%) and class quizzes/presentations (30%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Evening

This unit introduces the concepts and methodology used in genetic epidemiology. It begins with a refresher on molecular biology and genetics, followed by a survey of commonly used study designs.

Practical implementation and statistical analysis of these studies will then be discussed. The unit concludes by exploring potential clinical and societal ramifications. By the end of this unit students will be able to critically appraise genetic epidemiological studies and act as informed research collaborators.

CEPI5303

Clinical Health Economics

Credit points: 2 **Teacher/Coordinator:** Dr Kirsten Howard **Session:** Semester 2a **Classes:** 1x2hr seminar/week for 6 weeks **Assessment:** 1xshort answer assignment (1000 words) (40%), 1xresearch protocol design (2000 words) (60%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit aims to introduce students to the principles and concepts of health economics, and to develop students' practical skills in applying the methods of economic evaluation to decision making in clinically relevant contexts. It also aims to further develop the application of economic concepts in the design of research to answer economic questions of relevance in a chosen clinical setting. This unit covers: Introduction to health economics and economic evaluation; calculating cost effectiveness ratios and presenting results; measurement and valuation of resource utilisation; measurement and valuation of outcomes; economic modelling and uncertainty; critical appraisal; application of economic evaluation in health policy.

Textbooks

Course notes are provided.

CEPI5306

Clinical Practice Guidelines

Credit points: 2 **Teacher/Coordinator:** Associate Professor Lyn March, Dr Sharon Reid **Session:** Semester 2a **Classes:** online unit, expected student effort: 6-8 hours per week for 6 weeks **Assumed knowledge:** clinical experience strongly recommended **Assessment:** 1x4-page critical appraisal and barriers assessment (65%), online discussions and quizzes (35%). **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

During this unit students will evaluate guideline development; critical appraisal of guidelines; introduction to implementation and evaluation of guidelines; involvement of consumers in guidelines; examination of hospital-based and community-based guidelines. Group and individual critical appraisal work is required.

Textbooks

Online readings and other learning resources will be provided.

CEPI5308

Patient Based Measures

Credit points: 2 **Teacher/Coordinator:** Associate Professor Martin Stockler, Professor Glenn Salkeld, Professor Phyllis Butow **Session:** Semester 1b **Classes:** 1x2hr seminar/week for 7 weeks **Assessment:** 1x4000word assignment (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

The aim of this unit is to enable students to appraise and incorporate patient-based measures in clinical research. Topics include: definitions, structure and functions of PBM; item-generation and selection; validation; assessing and improving reliability; utilities and preferences; questionnaire design; developing and appraising studies using PBM. The sessions combine information giving (first 90 minutes) with discussion and problem solving (last 30 minutes). The written assignment may be either an appraisal of an existing instrument for a particular purpose; or, a protocol for either developing an instrument, or validating an instrument, or applying an instrument in clinical research.

Textbooks

Course notes are provided. Streiner DL, Norman GR. Health Measurement Scales: a practical guide to their development and use. 3rd Ed. Oxford University Press, 2003. (course textbook)

CEPI5310

Advanced Concepts in Statistics

Credit points: 4 **Teacher/Coordinator:** Professor Judy Simpson **Session:** Semester 1a **Classes:** 2hr/week for 7 weeks **Prerequisites:** PUBH5211 and PUBH5212 **Assessment:** 1xdata analysis assignment (70%) and 1x4page assignment (30%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit extends biostatistical concepts covered in earlier units. Topics of study include: model-building in logistic regression: handling continuous variables; interpreting interactions in logistic regression; handling missing data; presenting results of a logistic regression analysis; testing for trends in r by c tables; combining trends in proportions over strata; analysing matched case-control studies: conditional logistic regression; ordinal logistic regression; analysing serial measurements: use of summary measures. The unit consists of seven, two-hour, face-to-face sessions. Sessions 1-3: In the first hour we discuss a pre-circulated exercise. In the second hour we discuss the listed topic. Sessions 4-6: In the first hour we discuss the listed topic. The second hour is held in the Computing Lab, where participants have the opportunity to ask questions relating to their analysis of the data for assignment 1, both about SAS problems and about conceptual issues. Session 7: In the first hour we discuss the listed topic. In the second hour assignment 1 is returned and discussed. For Assignment 1 participants use logistic regression to analyse a complex set of real data which is provided. For Assignment 2 the aim is to identify the single major analytical issue in a proposed or current piece of research in your area of interest, and then to find an appropriate way to address this issue.

Textbooks

Course notes are provided.

CEPI5503

Dissertation C

Credit points: 12 **Session:** S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Prerequisites:** A candidate must have obtained a minimum weighted average mark mark of 70% in at least 24 credit points of coursework and obtained approval from the course-coordinator to enrol in this unit of study. Enrolment must be done through the Faculty office. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

CEPI5505

Clinical Epidemiology Project 1

Credit points: 2 **Teacher/Coordinator:** Prof Jonathan Craig **Session:** Semester 1, Semester 2 **Classes:** student project under supervision **Prerequisites:** PUBH5010 and PUBH5018 and CEPI5102 **Assessment:** 1x2000word assignment (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit provides students with an opportunity to develop a Clinical Epidemiology study proposal under supervision. The proposal will include: background to the project; project plan; project significance; justification of the project; project method; budget; and ethical implication of project. At the end of the unit, the student will be proficient in writing research proposals suitable for submission to an appropriate funding body. Student assignment involves writing a study proposal suitable for submission to a funding body.

Textbooks

There are no essential readings for this unit.

CEPI5506

Clinical Epidemiology Project 2

Credit points: 4 **Teacher/Coordinator:** Prof Jonathan Craig **Session:** Semester 1, Semester 2 **Classes:** student project under supervision **Prerequisites:** PUBH5010 and PUBH5018 and CEPI5102 **Corequisites:** CEPI5505 **Assessment:** 1x4000word assignment (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

The aim of this unit is to conduct a clinical epidemiology project and write a report on the project in the form of a paper suitable for publication. The project will involve: refining the project proposal; data collection; data analysis; and produce a report suitable for publication. At the end of the unit, the student will be proficient in conducting and writing a report of a clinical epidemiology project. The report should be suitable for publication in a peer reviewed journal.

Textbooks

There are no essential readings for this unit.

CEPI5510**Dissertation A**

Credit points: 6 **Session:** S2 Late Int, Semester 1, Semester 2 **Prerequisites:** A candidate must have obtained a minimum weighted average mark of 70% in at least 24 credit points of coursework and obtained approval from the course-coordinator to enrol in this unit of study. Enrolment must be done through the Faculty office. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

CEPI5511**Dissertation B**

Credit points: 6 **Session:** S2 Late Int, Semester 1, Semester 2 **Prerequisites:** A candidate must have obtained a minimum weighted average mark of 70% in at least 24 credit points of coursework and obtained approval from the course-coordinator to enrol in this unit of study. Enrolment must be done through the Faculty office. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Health policy units

HPOL5000**Introduction to Health Policy**

Credit points: 6 **Teacher/Coordinator:** Dr James Gillespie, Professor Stephen Leeder **Session:** Semester 1 **Classes:** 2x2day workshops, online lectures and discussions **Assessment:** 1x1500word paper (25%), 1x3000word paper (50%), and online learning activities (25%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education/Intensive on Campus

This unit aims to develop a critical and comparative grasp of the theory and practice of health policy and to give an overview of the political choices and frameworks that shape policymaking. The unit explores the main structures and institutions that make health policy. The focus is comparative, using Australia as a case study. Students will debate the reform of policy frameworks, raising questions about equity, ethics and the role of socio-economic status over access to health care and priorities of the current system. Australian policy debates will be placed in their broader context by comparing different health systems and assessing global influences. Case studies will be used to examine the relationships between policy and practice.

Textbooks

Robert Blank and Viola Burau: Comparative Health Policy. Palgrave, 2004.

HPOL5001**Economics and Finance for Health Policy**

Credit points: 6 **Teacher/Coordinator:** Dr James Gillespie, Associate Professor Christine Giles, Dr Stephen Jan **Session:** Semester 1 **Classes:** 2x2day workshops, online discussion **Assessment:** 1x2500 word assignment (50%), 1x3000 word assignment (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education/Intensive on Campus

This unit introduces the main concepts and analytical methods of health economics, political economy and finance to examine the workings of health systems in Australia and comparable countries. It looks at the main models of funding used in developed countries and their implications for the structure, planning and delivery of services. The first module focuses on the basic concepts and methodologies of health economics and political economy and their contribution to policy analysis. The second module places funding structures in a broader political and policy context. Topics include the debates over the public-private mix and governance and accountability - who makes decisions about funding priorities? To whom should decision makers be held accountable and for what aspects of their work?). The unit will use comparative analysis as well as Australian case studies.

Textbooks

Robert Blank and Viola Burau, Comparative Health Policy. Palgrave, 2004.

HPOL5003**Analyzing Health Policy**

Credit points: 6 **Teacher/Coordinator:** Dr James Gillespie, Professor Stephen Leeder **Session:** Semester 2 **Classes:** 2x2day workshops, online discussions **Assessment:** 1x2500 word assignment (50%), 1x3000 word assignment (50%)

Campus: Camperdown/Darlington **Mode of delivery:** Distance Education/Intensive on Campus

This unit develops skills for the effective critical appraisal of health policy, with a critical examination of the principles, and limitations, of evidence-based health policy and evaluation of the research that underpins a policy or policy proposal. This unit builds policy analysis and analytical skills by exploring policy design, implementation and evaluation. It uses approaches drawn from public policy, political science and public administration to look at the role of politics and wider contexts and the integration of equity concerns when developing and applying health policy. The day schools will include workshops on the use of epidemiological and social science literature in policy development.

Textbooks

Kent Buse, Nicholas Mays and Gillian Walt, Making health policy. Open University Press, 2006.

HPOL5007**Global Health Policy**

Credit points: 6 **Teacher/Coordinator:** Dr James Gillespie **Session:** Semester 2 **Classes:** block mode 2x2 days and 6x2hr tut or 12hrs online tut **Assessment:** 1x2000wd essay (30%), 1xtutorial or online paper (20%), 1x2500wd essay (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** On-line or Normal (lecture/lab/tutorial) Evening

This unit explores the impact of globalization on health policy, and the way in which global health problems, HIV/AIDS and the prevalent chronic diseases, for example, shape policy. The educational goal of the unit is to equip students with skills to appraise critically global health policy proposals and to offer informed advice how these policies may be made more effective. The unit will achieve this goal by doing three things.

First, it will explore new global health threats that transcend national boundaries; especially those whose causes or results transcend the capacity of individual states to influence, avian flu, for example. Second, it will examine the governance of the policy responses, good and poor, that these global health threats evoke. The influence and power of agencies in the United Nations system, including the World Health Organisation and UNICEF, the World Bank, the Gates Foundation and activist organizations such as Médecins sans Frontières, will be examined. Third, teaching will make extensive use of current case studies. The unit will concentrate on less developed countries. Students will be assessed on their acquisition of skills in global policy and critical analysis and their application to emerging problems.

HPOL5008**Evidence into Policy and Practice**

Credit points: 6 **Teacher/Coordinator:** Dr James Gillespie **Session:** Semester 1 **Classes:** block mode 2x2 days and 12 hrs online tutorials **Corequisites:** HPOL5000 and HPOL5001 **Assessment:** 1x2000 word essay (30%), 1 class presentation (20%), and 1x2500 word essay (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

There is a growing recognition of the importance of the evidence from research to inform the development and evaluation of health policy.

Strengthening understanding of the links between evidence and policy and practice is a crucial element in the improvement of health systems. This unit will equip students with skills to critically appraise policy proposals and to offer informed advice on making policies more effective by using evidence.

Students will gain experience in techniques to assess evidence needed for policy development, including systematic and rapid reviews. Specifically, students will learn how evidence can be used to a) identify areas that require effective interventions, b) implement the most effective interventions and c) monitor and evaluate outcomes. The unit emphasizes the manner in which political processes and imperatives shape new policy approaches.

Assessments will allow students to demonstrate their acquisition of policy assessment / interpretation skills, critical analysis of data and evidence and their application to emerging problems. This unit prepares students for the policy research project in HPOL5009, for

which it is a prerequisite. The unit is taught in conjunction with the Sax Institute and the Menzies Centre for Health Policy (University Sydney).

HPOL5009

Health Policy Project

Credit points: 6 **Teacher/Coordinator:** Professor Stephen Leeder **Session:** Semester 2 **Classes:** block mode (2x2 days) **Prerequisites:** HPOL5008 **Corequisites:** HPOL5003 **Assessment:** 1x5000 word policy document (80%), and 1xclass presentation (20%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

The unit is a capstone project that allows students to apply theory, tools and skills developed in previous units of study to a real life problem or issue where health policy can make a difference. It provides students with an opportunity to develop their issues analysis and subsequent policy development skills under close supervision of an allocated academic mentor. Students will choose an approved policy project. This can be drawn from their work experience or identified with the assistance of their academic mentor. The first workshop will be devoted to the skills needed for the policy writing project. By the conclusion of the project, students will have developed a policy document including: a critical literature review; an appraisal of relevant evidence and possible options; an analysis of the environment in which the policy will be introduced; a communication strategy, and; implementation, evaluation and accountability mechanisms. The project will be presented at the final student workshop.

Indigenous health (substance use) units

IHSU5001

Non-dependent Alcohol Use Disorders

Credit points: 6 **Teacher/Coordinator:** Associate Professor Kate Conigrave, Mr Shane Hearn **Session:** Semester 1a **Classes:** 1xblock mode 5 days 9am - 4pm (27 hours face-to-face case based learning tutorials, seminars, readings and discussion), followed by 50 hours of self-directed learning at home **Assessment:** 1xwritten assignment (60%), 1xoral presentation (20%), tutorial participation and class attendance (20%), open book quiz - sciences (formative assessment), required reflective report (formative assessment) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

This unit of study explores substance use and misuse in Indigenous communities, the cultural and historical antecedents to the current status of alcohol, tobacco and other drug disorders, the scientific basis of addiction, and the epidemiology and aetiology of substance use in Indigenous communities. Students will examine and critique frameworks for approaching prevention and treatment of alcohol problems in clinical and public health settings. In this block we will provide examples focusing on non dependent alcohol use disorders. A central learning method of the course, case-based learning, will be introduced and students will be expected to apply their professional experience in drug and alcohol field. In addition, students are expected to draw on their cultural knowledge to develop their drug and alcohol client assessment and management skills, to analyse their community setting, and to explore the role of the Indigenous drug and alcohol health professional in the provision of drug and alcohol prevention and treatment services to individuals and society.

Textbooks

Brady, Maggie, (2005). The Grog Book.
Alcohol and Other Drugs: A Handbook for Health Professionals. National Centre for Education and Training on Addiction (NCETA).
Australian Government, Department of Health and Ageing. (2007) Alcohol treatment guidelines for Indigenous Australians. Canberra: Commonwealth Department of Health and Aged Care.

IHSU5002

Alcohol Dependence and Withdrawal

Credit points: 6 **Teacher/Coordinator:** Associate Professor Kate Conigrave, Mr Shane Hearn **Session:** Semester 1b **Classes:** 1xblock mode 5 days 9am - 4pm (27 hours face-to-face case based learning tutorials and lecture seminars, readings and discussion), followed by 50 hours of self-directed learning at home **Corequisites:** IHSU5001 **Assessment:** 1 x written assignment (50%), tutorial participation and class attendance (20%), required formative clinical supervision and report from mentor (20%), open book/take home quizzes (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

This unit of study is designed to build upon the clinical skills, science, community focus and professional development in IHSU5001 and apply these to the issue of alcohol dependence and withdrawal in individuals and its impact on the community. Clinical assessment instruments and evidence based management methods are explored in a cultural context. Students are introduced to physical, psychological and psychiatric complications and co-morbidity in alcohol dependence. The unit is designed to enhance students' skills in preventing relapse, including counseling approaches, use of and referral to appropriate services and understanding the role of pharmacotherapies. Students will appraise the evidence for alcohol misuse prevention and treatment methods and how this can be used in developing case management plans.

Textbooks

Alcohol and Other Drugs: A Handbook for Health Professionals. National Centre for Education and Training on Addiction (NCETA).
Brady, Maggie (2005). The Grog Book.
Australian Government, Department of Health and Ageing. (2007) Alcohol treatment guidelines for Indigenous Australians. Canberra: Commonwealth Department of Health and Aged Care.
Wodak A. (1999). What is this thing called harm reduction? International Journal of Drug Policy 10 (169-171).

IHSU5003

Cannabis, Tobacco and Depression

Credit points: 6 **Teacher/Coordinator:** Associate Professor Kate Conigrave, Mr Shane Hearn **Session:** S1 Late Int **Classes:** 1xblock mode 5 days 9am - 4pm (27 hours face-to-face case based learning tutorials and lecture seminars, readings and discussion), followed by 50 hours of self-directed learning at home **Corequisites:** IHSU5002 **Assessment:** 1xwritten assignment (20%), clinical skills (50%), tutorial participation and class attendance (20%), open book/take home quizzes (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

This unit of study examines the impact, epidemiology and pharmacology of cannabis, tobacco and related harms in Indigenous communities. The association between cannabis use and depression and other psychiatric conditions will be explored. The nature and treatment of depression is examined particularly in cannabis users. At the public health level the unit focuses on policy and how it influences drug and alcohol programs at the local level and impacts on Aboriginal and Torres Strait Islander drug, alcohol and health status. Students will examine strategies for reducing smoking and cannabis related harm in individuals and the community. The health professional's role in influencing policy and programs in culturally secure and safe ways is also explored and applied to cannabis and tobacco policies.

Textbooks

Alcohol and Other Drugs: A Handbook for Health Professionals. National Centre for Education and Training on Addiction (NCETA).
Nutbeam, D. and Harris, E. (2006). Theory in a Nutshell: A Practical Guide to Health Promotion Theories. McGraw-Hill.

IHSU5004

Opioids and Injecting Drug Use

Credit points: 6 **Teacher/Coordinator:** Associate Professor Kate Conigrave, Mr Shane Hearn **Session:** Semester 2a **Classes:** 1xblock mode 5 days 9am - 4pm (27 hours face-to-face case based learning tutorials and lecture seminars, readings and discussion), followed by 50 hours of self-directed learning at home **Prerequisites:** IHSU5003 **Assessment:** 2xwritten assignments (45%), tutorial participation and class attendance (20%), clinical competencies (25%), formative open book/take home quizzes (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

This unit of study provides students with skills to assess and manage clients with opioid dependence. The role of opioid maintenance pharmacotherapies and the prevention and management of blood borne virus infection through injecting drug use is examined together with other harm reduction initiatives. Students will critique a drug and alcohol program and analyse how to provide an effective alcohol and other drug treatment service. Skills in communication are explored and applied in both advocacy for the client as well as in advocating for change in the community through communication with government and non-government agencies.

Textbooks

Alcohol and Other Drugs: A Handbook for Health Professionals. National Centre for Education and Training on Addiction (NCETA).
National Aboriginal and Torres Strait Islander sexual health and blood borne virus strategy 2005-2008.
National clinical guidelines for the use of buprenorphine in the treatment of opioid dependence (abbreviated version) National Drug Strategy.

IHSU5005

Amphetamines, Polydrug Use and Psychosis

Credit points: 6 **Teacher/Coordinator:** Associate Professor Kate Conigrave, Mr Shane Hearn **Session:** Semester 2b **Classes:** 1xblock mode 5 days 9am - 4-pm (27 hours face-to-face case based learning tutorials and lecture seminars, readings and discussion), followed by 50 hours of self-directed learning at home **Corequisites:** IHSU5004 **Assessment:** 1xwritten assignment (30%), 1xoral presentation on the assignment (20%), tutorial participation and class attendance (20%), clinical competencies - observed structured clinical exam (20%), formative assessment quizzes (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

This unit of study examines amphetamine-type stimulant drugs. It covers pharmacology, effects and complications of stimulant and of polydrug use. Topics include needs of clients with amphetamine and polydrug use disorders, evidence for effective prevention and treatment strategies, complications of stimulant use, the biochemistry of psychosis and the use of antipsychotics is examined. The unit provides students with an introduction to the skills needed to write a program funding proposal by developing skills in articulating the program rationale, goal setting, budgeting, communication with and gaining the support of key stakeholders, time management and decision making.

Textbooks

Alcohol and Other Drugs: A Handbook for Health Professionals. National Centre for Education and Training on Addiction (NCETA)
Webb, Penny, Bain, Chris and Pirozzo, Sandi (2005). Essential Epidemiology: An Introduction for Students and Health Professionals. Cambridge University Press.

NSW Health. New South Wales Opioid Treatment Program. Clinical guidelines for methadone and buprenorphine treatment of opioid dependence. Sydney: Mental Health and Drug and Alcohol Office, New South Wales Health 2006. Available via www.health.nsw.gov.au. Located at http://www.health.nsw.gov.au/policies/gl/2006/pdf/GL2006_019.pdf

IHSU5006

Substance Use Across the Lifespan

Credit points: 6 **Teacher/Coordinator:** Associate Professor Kate Conigrave, Mr Shane Hearn **Session:** S2 Late Int **Classes:** 1xblock mode 5 days 9am - 4-pm (27 hours face-to-face case based learning tutorials and lecture seminars, readings and discussion), followed by 50 hours of self-directed learning at home **Corequisites:** IHSU5005 **Assessment:** 2 x written assignments (35% and 20%), tutorial participation and class attendance (20%), clinical competencies (includes a clinical exam or quiz) (25%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

This unit of study explores substance use through the lifespan of the individual from foetal development through to adulthood. It explores the factors which can contribute to trans-generational cycles of alcohol, tobacco and other drug disorders in Indigenous families. A focus on research and evaluation aims to integrate the learning from previous units to further develop an understanding of the importance of research in all aspects of drug and alcohol education, clinical practice and health promotion. The unit explores approaches and methods used in public health-oriented drug and alcohol research. It incorporates a framework of research and evaluation that will enable students to design a simple descriptive study. Use of alcohol, tobacco and other drugs in pregnancy and approaches to prevention of foetal harm will be examined. Clinical skills development will address prevention, assessment and management of benzodiazepine dependence and solvent misuse.

Textbooks

Alcohol and Other Drugs: A Handbook for Health Professionals. National Centre for Education and Training on Addiction (NCETA).
National Clinical Guidelines for the Management of Drug Use during Pregnancy, Birth and the Early Development Years of the Newborn (2006). NSW Department of Health and Commonwealth of Australia.
Brady, Maggie, (2005). The Grog Book.

Indigenous health promotion units

INDH5211

Community Profile and Setting Priorities

Credit points: 6 **Teacher/Coordinator:** Mr Shane Hearn, Ms Marilyn Wise, Ms Suzanne Plater **Session:** Semester 1a **Classes:** 8-day intensive workshop **Assessment:** 1xwritten community profile (80%, no word limit), and 1xclass presentation of community profile (20%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

This is the first of seven sequential, interdependent modules, only provided for students enrolled in the Graduate Diploma in Indigenous Health Promotion. Students will be introduced to the rationale for and components of a community profile. They will be introduced to sources of data available and required, to set up, structure and formulate a profile of their own community. The data are a combination of routinely collected statistics, and local reports on community-defined strengths and needs. Particular attention will be given to finding, managing and presenting the data in a format that is accessible and useful to the students' own communities as well as to professional colleagues, health agencies and funding agencies. The community profile provides students with a basic overview that enables them to develop culturally secure and effective programs for working with their communities to promote health effectively.

Textbooks

Block 1 Reading booklet will be provided at the beginning of the block.

INDH5212

Health Promotion Program Planning

Credit points: 6 **Teacher/Coordinator:** Mr Shane Hearn, Ms Marilyn Wise, Ms Suzanne Plater **Session:** Semester 1b **Classes:** 1 week intensive workshop **Assessment:** 1xwritten assignment, no word limit **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

This is the second of seven sequential, interdependent modules, only provided for students enrolled in the Graduate Diploma in Indigenous Health Promotion. In this module, students will be introduced to the components of a planned health promotion program. They include examining and structuring the ways in which students can engage others in their communities in identifying the causes or determinants of the public health problems they have identified; preparing a plan of action that outlines measurable aims and objectives; examining the ways in which human, financial and other resources can be mobilised to enable program implementation; as well as how to structure and formulate strategies for action.

Textbooks

Block 2 Reading booklet will be provided at the beginning of the block.

INDH5213

Strategies for Health Promotion

Credit points: 6 **Teacher/Coordinator:** Mr Shane Hearn, Ms Marilyn Wise, Ms Suzanne Plater **Session:** S1 Late Int **Classes:** 1 week intensive workshop **Assessment:** written assignment, no word limit **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

This is the third of seven sequential, interdependent modules, only provided for students enrolled in the Graduate Diploma in Indigenous Health Promotion. Students will identify and discuss the strategies used to achieve the goals and objectives of their health promotion programs. They will be introduced to theories used to develop strategies, and will analyse case studies of effective Aboriginal and Torres Strait Islander health promotion. Students will identify the capacity needed by communities and organizations to implement strategies and the actions they can take to ensure the cultural safety of their work.

Textbooks

Block 3 Reading booklet will be provided at the beginning of the block.

INDH5221

Communication: Tool for Promoting Health

Credit points: 6 **Teacher/Coordinator:** Mr Shane Hearn, Ms Marilyn Wise, Ms Suzanne Plater **Session:** Semester 2a **Classes:** 1 week intensive workshop **Assessment:** written assignment (100%, approximately 2000 words) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

This is the fourth of seven sequential, interdependent modules, only provided for students enrolled in the Graduate Diploma in Indigenous Health Promotion. This module introduces students to the theory and practice of communication as a tool for promoting health. Students will develop knowledge of and skills in interpersonal, group, and public communication for health. They will expand their skills in conflict resolution. They will be introduced to social marketing theory and practice. They will also examine the negative and positive contributions of the mass media to promoting the health of Aboriginal and Torres Strait Island people.

Textbooks

Block 4 Reading booklet will be provided at the beginning of the block.

INDH5223

Advocacy and Social Action

Credit points: 6 **Teacher/Coordinator:** Mr Shane Hearn, Ms Marilyn Wise, Ms Suzanne Plater **Session:** S2 Late Int **Classes:** 1 week intensive workshop **Assessment:** group exercise in class: analysis of a community-based public health problem in an Indigenous community and design of an intervention to solve it (30%) and an oral presentation of project (70%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

This is the sixth of seven sequential, interdependent modules, only provided for students enrolled in the Graduate Diploma in Indigenous Health Promotion. This module is designed to assist students to build personal and organisational capacity to promote health within their organisations and communities. This includes: identifying sources of funding and obtaining grants and building support for action to change policies and practices within their organisations to promote health. Assessment for this unit requires students to prepare a planned response to a public health problem facing an Aboriginal community. Students work as a team to prepare a comprehensive response using the processes and technical skills acquired throughout the course. Assessment also requires the students to present an overview of their final project to a panel including academic staff and health promotion practitioners.

Textbooks

Block 6 Reading booklet will be provided at the beginning of the block.

INDH5224

Research and Evaluation

Credit points: 6 **Teacher/Coordinator:** Mr Shane Hearn, Ms Marilyn Wise, Ms Suzanne Plater **Session:** Semester 2b **Classes:** 1 week intensive workshop **Assessment:** 1xwritten assignment, no word limit **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

This is the fifth of seven sequential, interdependent modules, only provided for students enrolled in the Graduate Diploma in Indigenous Health Promotion. The students will be introduced to the role of research in Aboriginal and Torres Strait Islander health promotion. They will identify ethical issues important in research design and implementation, and identify research methods that will assist Aboriginal and Torres Strait Island communities to describe health problems and their causes, to develop effective strategies to address these, and to evaluate the progress and outcomes of health promotion interventions. They will also identify ways in which research must be carried out in their communities in order to ensure that communities are not exploited or harmed by the research. The students will also learn to identify organisations and individuals with whom they might form partnerships, to extend the range of research that can be carried out in their communities. The students will define culturally secure and effective methods that are available to evaluate health promotion programs conducted with and for Aboriginal and Torres Strait Islander people and their communities. Assessment for this unit requires students to design and conduct the evaluation of a module of the Graduate Diploma in Indigenous Health Promotion and to report on this.

Textbooks

Block 5 Reading booklet will be provided at the beginning of the block.

INDH5226

Final Project

Credit points: 12 **Teacher/Coordinator:** Mr Shane Hearn, Ms Marilyn Wise, Ms Suzanne Plater **Session:** S2 Late Int **Assessment:** 1 written assignment (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This is the last of seven sequential, interdependent modules, only provided for students enrolled in the Graduate Diploma in Indigenous Health Promotion. Students will be expected to apply and reflect on the knowledge and skills learned in each of the coursework modules they have completed. Each student will prepare a project report (which may be presented as a written report, video, journal article, radio program or poster and story), integrating the learning across the whole course into a single intervention program. With the approval of the community for whom the project was developed, the report will include chapters on the profile of the community, a program plan that outlines measurable aims and objectives, strategies, an implementation plan, and an evaluation plan. The report will also include the students' reflections on their learning. The explicit focus and direction of the project will be determined by the students in consultation with their employers and their communities. The completed project will demonstrate the student's knowledge of and skills with regard to the key elements covered throughout the course.

Textbooks

Review of Block 1-6 Readers. In addition, students are expected to undertake their own reviews of the literature.

Infection and immunity units

INIM5001

Fundamental Immunology

Credit points: 6 **Teacher/Coordinator:** Associate Professor Helen Briscoe **Session:** Semester 1 **Classes:** 20x1hr lecture, 40 hrs practical classes or tutorials or seminars **Assessment:** progressive assessment (50%) including an essay (2,500word), laboratory assignments, seminar presentation and 1x2hr examination (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Immunology is the study of defence mechanisms that protect individuals against infections and cancers. Studies in immunology are leading to advances in clinical medicine, including understanding allergies, transplant rejection, autoimmune diseases, such as rheumatoid arthritis and insulin-dependent diabetes, and the development of new vaccines. This unit of study will provide an understanding of the components and functions of the immune system at the molecular and cellular levels, the mechanisms of pathological immune processes and immune system dysfunction, mechanisms of immune responses to microorganisms and immunological techniques used in clinical diagnostic and research laboratories. The unit components will be delivered so as to develop skills in problem-solving, evaluation of scientific literature, and oral and written communication. Lectures will provide an overview of the immune system and an update of fundamental facts. Problem/case-based scenarios together with invited guest/specialized lectures, hands-on practical work, literature research and group discussions ('tutorials') will provide in-depth analysis of particular chosen topics.

Textbooks

Required reading: Basic Immunology Functions and Disorders of the Immune System, Adul K Abbas & Andrew H Lichtman, Saunders. 2nd edition. You should read and understand this book before progressing to more detailed textbooks. Recommended detailed texts: Cellular and Molecular Immunology, Adul K Abbas & Andrew H Lichtman, Saunders. 5th edition; Immunobiology Charles Janeway, Paul Travers, Mark Walport, Mark Scholmchik, Garland Churchill Livingstone. 6th edition; Essentials of Clinical Immunology. Helen Chapel and Mansel Haeney, Blackwell Scientific Publications. 3rd edition. Although these are recommended, other texts are equally sound. We suggest you discuss with the unit coordinator, Helen Briscoe, before making a textbook purchase.

INIM5002**Virology and Cell Technology**

Credit points: 6 **Teacher/Coordinator:** Dr Belinda Herring **Session:** Semester 1 **Classes:** 2x1hr lectures/week; 2x3hr practical classes and 1 x 1h tutorial/week **Assessment:** 1x 2hr formal written examination (50%), 1 x 2h practical examination (20%), progressive assessment (30%) including oral presentation, tutorial assessments and laboratory work. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit aims to equip graduates with an in-depth knowledge of medical virology and cell technology that will enable them to work effectively as laboratory personnel in relevant hospital laboratories, clinics or research institutions. Students will develop skills in evaluation of scientific literature, in problem-solving and in scientific communication that will enable them to develop careers as administrators or policy-makers in hospitals, health care organisations or government bodies. The core of the program is a series of lectures, some of which will be given face-to-face and/or will be available online. Practical classes will focus on the identification of viruses and cell culture technology, and on techniques used in research investigations and will be conducted in an appropriately equipped student laboratory. Tutorials will be conducted in small groups and students will actively participate in a variety of exercises based on current topics in virology.

Textbooks

The following texts are good basic virology books and cover all the topics covered in lectures.

Basic Virology, Wagner, Hewlett, Bloom and Camerini, Blackwell Publishing, 3rd Ed, 2008; Introduction to Modern Virology, N.J Dimmock, A.J, Easton and K.N Leppard, Blackwell Publishing, 6th Ed.; Principles of Molecular Virology, Alan J. Cann, Elsevier, 4th Ed, 2005.

The following two texts are more detailed and are recommended as a resource only. Principles of Virology, Flint et al., ASM Press, 2nd Ed., 2000; Medical Virology, D.E. White and Frank J. Fenner, Academic Press, 4th Ed., 1994

INIM5006**Bioinformatics**

Credit points: 6 **Teacher/Coordinator:** Dr Jonathan Arthur **Session:** Semester 1 **Classes:** 1x1hr lecture, 1x1hr tutorial, 1x3hr practical/wk **Assessment:** 1hr 30min written exam (50%), 15-20min seminar presentation (5%), and computer-based projects and assignments (45%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study will equip graduates with a thorough understanding of the principles and applications of bioinformatics, fostering an awareness of the increasing importance of being able to effectively manage and analyse large volumes of data in medical and related sciences. It will equip students with a thorough knowledge of online, publicly-available bioinformatics resources, with a particular emphasis on resources relevant to research in infection and immunity. Skills will be developed in the effective use of common bioinformatics software applications and databases, the evaluation of scientific literature pertaining to bioinformatics and its medical applications (including any associated software or databases), problem-solving, and scientific communication. The core of the program is a series of lectures introducing resources and concepts in bioinformatics along with tutorial sessions encouraging interactive questioning and exploration of these concepts. Practical classes will be conducted in appropriately equipped computer laboratories and enable student to actively translate theoretical concepts and apply specific software applications to the analysis and interpretation of biological data.

INIM5011**Advanced Medical Bacteriology**

Credit points: 6 **Session:** Semester 2 **Classes:** 2x1hr lectures/week; 2x2hr practical classes or tutorials or student seminars/week **Assessment:** 1x2hr closed-book (Theory), and 1x 1hr closed book (Practical) Value: written examinations 70% (Theory 55% Practical 15%), progressive assessments (30%) including class tutorial/presentations and laboratory book assessment. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study aims to provide an awareness of modern concepts of Medical Bacteriology relevant to the susceptibility and response of the host to pathogenic bacteria, with special emphasis on the host-pathogen relationship at the cellular and molecular levels regarding symptoms, pathogenesis, diagnosis, treatment, control and prevention. The unit will also allow candidates to become familiar with

modern molecular-based bacteriological procedures used to diagnose bacterial infections and monitor effectiveness of treatments. The unit will provide the advanced scientific and intellectual basis to augment knowledge and understanding, at a postgraduate level, in a career involving Medical Microbiology or in a related subject area. Lectures will be used to impart knowledge and understanding as well as review key themes of the module. Tutorials will utilise activities such as journal review and topic presentation which enable candidates to explore a range of issues including the changing pattern of diseases in Australia and worldwide. The use of case studies will enable candidates to examine outbreaks of disease and their investigation by the clinical laboratory. Laboratory sessions will enable students to apply the theoretical concepts of laboratory investigation at the molecular level using advanced molecular techniques of gene and protein identification.

Textbooks

Recommended reading: Bacterial Pathogenesis A Molecular Approach. Salyers and Whitt ASM Press Washington DC USA 2002

Medical Microbiology. Mims, Playfair, Roitt, Wakelin, Williams. Second Edition. Mosby Press, London, Philadelphia, St Louis, Sydney, Tokyo.1999.

INIM5012**Infection Control and Epidemiology**

Credit points: 6 **Teacher/Coordinator:** Professor Peter McMinn **Session:** Semester 2 **Classes:** 2x1hr lectures/week; 2x2hr practical classes/week **Assessment:** 1x2hr examination (50%), progressive assessments including presentations, laboratory work and written assignments (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

The unit aims to equip graduates to take advantage of the hospital laboratory services and the research literature in applying old and new technologies to recognise individual cases of communicable disease, trace the source of outbreaks and provide a scientific basis for development of policies to prevent spread of infection. There are four specific learning objectives: to know how to estimate the risk of transmission of infection and to assess the value of control measures; to understand the methods used to determine the efficacy of antimicrobial drugs both for treating individual patients and in terms of policy guidelines; to understand the scientific basis of vaccination and its value and limitations in the field; to appreciate the psychological and social factors involved in achieving effective infection control. The core of the program is a series of lectures, practical demonstrations and tutorials based on important current or historical examples of epidemic infectious diseases.

Textbooks

A Clinicians Dictionary of Pathogenic Microorganisms, Jorgenson JH and Pfaller MA. ISBN 1-55581-280-5 ASM Press 2004.

Red Book: 2006 Report of the Committee on Infectious Diseases, 27th Edition, Pickering, LK, Baker, CJ, Long, SS, McMillan, JA (Eds). American Academy of Pediatrics; 2006. ISBN 978-1-58110-194-2.

Although these are recommended, other texts are equally sound. We suggest you discuss with the unit coordinator, Peter McMinn, before making a textbook purchase.

INIM5013**Clinical Mycology and Parasitology**

Credit points: 6 **Teacher/Coordinator:** Associate Professor Wieland Meyer, Dr Rogan Lee **Session:** Semester 1 **Classes:** 2x1hr lectures/week, 2x2hr practical classes or tutorials or seminars/week **Assessment:** 1x3hr written examination (50%), seminar presentation (15-30min) (20%), and laboratory work (30%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit aims to equip graduates with an in-depth knowledge of medical mycology and parasitology that will enable them to work effectively as laboratory personnel in relevant hospital laboratories, clinics or research institutions. The course will allow students to develop skills in evaluation of scientific literature, in problem-solving and in scientific communication that will enable graduates to develop careers as administrators or policy-makers in hospitals, health care organizations or government bodies. The course structure involves lectures on diseases caused by fungal, protozoan and helminthic agents, laboratory classes on identification of fungal and parasitic infections, and on techniques used in research investigations and tutorials (e.g. clinical cases, investigation of outbreaks of disease and

prevention strategies). Seminars consisting of presentation of specified topics researched by individual students will also form part of the course.

Textbooks

Recommended reading: Medically Important Fungi - A guide to Identification Larone DH 4th Edition ASM Press Washington DC 2002.
Atlas of Clinical Fungi 2th Edition de Hoog et al. 2000 Centraalbureau voor Schimmelcultures, Utrecht The Netherlands.
Clinical Parasitology: A handbook for medical practitioners and microbiologists. Sheorey H et al. University Press Carlton Vic, 2000.
Diagnostic Medical Parasitology Garcia L. 4th Edition ASM Press 2001.

INIM5016

Applied Clinical Immunology

Credit points: 6 **Teacher/Coordinator:** Dr Stephen Adelstein, Dr Andrew Williams **Session:** Semester 2 **Classes:** 2x1hr lectures/week; 1x3hr practical classes or tutorials or seminars/week **Assumed knowledge:** Basic immunology **Assessment:** 1x2hr formal written examination (50%), progressive assessment including tutorial assignment, seminar presentation, 2 formative assessments and laboratory interpretation (worth a total of skill tests in OSCE format) (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

The course will have two concurrent themes. Clinical: this theme will concentrate on the immunological methods used to evaluate human disease and will include the theoretical basis for tests of immune function, practical laboratory application of assays based on these principles and case-based seminars. Research: This theme will focus on understanding the investigation of immune function with lectures and practical sessions reviewing current molecular and cellular approaches and seminars based on study of current literature and classic papers in Immunology. Instruction will comprise lectures on the immunopathology of disease and the immunological methods used in diagnosis and research; laboratory classes on methods and techniques used in clinical diagnosis and research investigations; and tutorials (e.g. clinical cases, journal article reviews, review of laboratory problems seminars consisting of presentation of specified topics researched by individual students. The learning objectives of this unit are to understand the immunological basis for infection and immunity and how these concepts are core to and applied in the diagnostic pathology laboratory; to understand how the immune system causes and prevents disease, the use and performance of immunological tests in the investigation of disease and methods of investigation of the immune system; to develop effective skills in problem-solving and self-directed learning and to foster advanced verbal and written communication skills.

Textbooks

Recommended reading: Immunology, Infection and Immunity. Pier GB, Lyczak JB and Wetzel LM. ASM Press, Washington DC, 2004.
Clinical Immunology and Serology: A Laboratory Perspective, 2nd Edition Stevens CD. F. A. Davis company, Philadelphia, 2003.
Manual of Clinical Laboratory Immunology. Editors: Rose NR, Hamilton RG, and Derrick B 6th edition. ASM Press, Washington DC, 2002.

INIM5018

Dissertation A

Credit points: 6 **Teacher/Coordinator:** Associate Professor Colin Harbour **Session:** S2 Late Int, Semester 1, Semester 2 **Prerequisites:** A candidate must have obtained a minimum weighted average mark of 70% in at least 24 credit points of coursework and obtained approval from the course-coordinator to enrol in this unit of study. Enrolment must be done through the Faculty or School office. **Assessment:** Following completion of their specified research project candidates will be required to submit a treatise of 30,000-40,000 words describing the project and its outcome. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Students will work with an established research group and work on a specified research project. This project must be approved by the Infection and Immunity Program Committee and carried out under suitable supervision. At least one of the project supervisors must be an academic staff member of the University. Total minimum of 6 hours/week.

INIM5019

Dissertation B

Credit points: 6 **Teacher/Coordinator:** Associate Professor Colin Harbour **Session:** S2 Late Int, Semester 1, Semester 2 **Prerequisites:** A candidate must have obtained a minimum weighted average mark of 70% in at least 24 credit points of coursework and obtained approval from the course-coordinator to enrol in this unit of study. Enrolment must be done through the Faculty or School office. **Assessment:** Following completion of their specified research project candidates will be required to submit a treatise of 30,000-40,000 words describing the project and its outcome. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Students will work with an established research group and work on a specified research project. This project must be approved by the Infection and Immunity Program Committee and carried out under suitable supervision. At least one of the project supervisors must be an academic staff member of the University. Total minimum of 6 hours/week.

INIM5020

Dissertation C

Credit points: 12 **Teacher/Coordinator:** Associate Professor Colin Harbour **Session:** S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Prerequisites:** A candidate must have obtained a minimum weighted average mark of 70% in at least 24 credit points of coursework and obtained approval from the course-coordinator to enrol in this unit of study. Enrolment must be done through the Faculty or School office. **Assessment:** Following completion of their specified research project candidates will be required to submit a treatise of 30,000-40,000 words describing the project and its outcome. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Students will work with an established research group and work on a specified research project. This project must be approved by the Infection and Immunity Program Committee and carried out under suitable supervision. At least one of the project supervisors must be an academic staff member of the University. Total minimum of 6 hours/week.

INIM5021

Readings in Infection and Immunity

Credit points: 6 **Teacher/Coordinator:** Associate Professor Helen Briscoe **Session:** Semester 1, Semester 2 **Classes:** Independent study, tutorial and journal club meetings under supervision **Prerequisites:** 24 CP, with a minimum average mark of 70%, taken from the following study units: INIM5001, INIM5002, INIM5011, INIM5012, INIM5006, INIM5013, INIM5014, INIM5015, INIM5016, PUBH5117, SEXH5200 or equivalent approved units. **Assessment:** written literature review (10,000 words) (60%), and 1x1hr seminar (40%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: Students who have successfully completed at least 24 CP of core and elective study units in the postgraduate program in Infection and Immunity and gained a MINIMUM AVERAGE MARK OF 70% in all units undertaken may seek permission from the department to enrol in this elective.

In consultation with the postgraduate coursework coordinator, each student will be assigned a supervisor who will guide them in data and literature searches and in critical review and analysis of the literature. Tutorials and journal club meetings will complement this process. Each student will select one topic and undertake a detailed study of the literature pertaining to that topic. The student will write a literature review essay and present a one hour seminar on that topic.

Medical education units

MDED5001

Teaching and Learning in Medicine

Credit points: 6 **Teacher/Coordinator:** Dr Rola Ajjawi **Session:** Semester 1, Semester 2 **Classes:** The total workload for this unit of study is approximately 10 hours per week. This unit may be undertaken in two modes: either as a blended face-to-face course requiring attendance at 1x3hr fortnightly face-to-face class on campus, followed by some partic **Assessment:** 1x8000word project (100%) plus various formative assessments throughout the unit of study

Campus: Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Evening or On-line

This unit aims to develop a broad understanding of principles which underpin current teaching and learning practices in medical education. The unit is designed at an introductory level, to encourage participants to explore key ideas from theoretical and research literature in the context of their current teaching practice in medicine. The unit lays important foundations for more detailed investigation in other units of study.

Modules within this unit of study will focus on the principles and practices of: teaching and learning in health care settings - focus on conceptions and approaches to teaching and learning; the learning context- focus on the differing needs of learners in undergraduate, postgraduate and continuing education including small and large group learning; curriculum design - promoting constructive alignment in program design; assessment of competence and performance and evaluation of educational programs in health and medicine.

By the end of this unit, students will be able to: effectively communicate ideas about improvement of teaching practice using current theories of student learning in higher education; show how to implement the concept of 'constructive alignment' in curriculum development; predict the effects of proposed educational changes on student learning outcomes; apply evidence in developing proposals for educational change; engage in collaborative learning; critically reflect on personal learning and teaching practices.

Textbooks

Biggs J. & Tang C. 2007. Teaching for Quality Learning at University (3rd ed.). Buckingham: Society for Research in Higher Education and the Open University Press.

MDED5002

Scholarship of Teaching in Medicine

Credit points: 6 **Teacher/Coordinator:** Dr Rola Ajjawi **Session:** Semester 2 **Classes:** The total workload for this unit of study is approximately 10 hours per week. This unit may be undertaken in two modes: either as a blended face-to-face course requiring attendance at 1x3hr fortnightly face-to-face class on campus, followed by some partic **Assessment:** 2 projects, 8000 words in total (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Evening or On-line

This unit aims for the development by students of a deeper understanding of the nature of evidence in health professional education, and the use of this evidence to inform course design, implementation, assessment and/or evaluation.

The contents of this unit include: best evidence medical education (BEME); literature searching and using Endnote; an introduction to the use of qualitative and quantitative research methods; identifying research questions and developing a proposal for a small-scale quantitative and/or qualitative research project which is related to the improvement of teaching and learning practice/s in medical education; writing a literature review and a research proposal in the form of an Ethics Application; applying knowledge of current research in health professional education in planning for innovation in teaching and learning practices.

Textbooks

Cohen L., Manion K. & Morrison K. 2007 Research methods in education, 6th ed. New York: Routledge.

Creswell J. W. 2003 Research design: qualitative, quantitative, and mixed methods approaches, 2nd ed. Thousand Oaks, CA: Sage Publications.

MDED5003

Educational Development and Evaluation

Credit points: 6 **Teacher/Coordinator:** Dr Tim Shaw **Session:** Semester 2 **Classes:** The total workload for this unit of study is approximately 10 hours per week. This unit may be undertaken in two modes: either as a blended face-to-face course requiring attendance at 1x3hr fortnightly face-to-face class on campus, followed by some partic **Assessment:** Online discussion and tasks (10%), 1x2000word essay (30%), 1xpresentation (10%) and 1x4000 word project (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Evening or On-line

This unit builds on module E in MDED5001 by developing understanding of approaches to program evaluation. This unit will provide students with skills to conduct their own evaluation and inquiry

projects. The unit aims to develop scholarship and lifelong learning graduate attributes through promoting growth of skills in reflection, inquiry and communication. This unit of study aims to develop a better understanding of how evaluative practice can improve individual teaching and educational programs.

By the end of this unit of study students will be able to: compare strategies for reflecting on teaching and students' learning experiences; apply examples of evaluation methods to developing a plan for evaluating a program; compare forms of evaluation and explain the role of forms of evaluation in educational development.

Textbooks

Owen, J. (2006). Program Evaluation: Forms and approaches. 3rd Edition. Sydney: Allen and Unwin

MDED5004

Independent Studies A

Credit points: 6 **Teacher/Coordinator:** Associate Professor Jill Thistlethwaite **Session:** Semester 1, Semester 2 **Classes:** Face-to-face: 1x3hr evening class (several times during the semester) plus scheduled supervisory meetings. Alternatively this unit may be undertaken fully online, with online supervision. **Prerequisites:** MDED5001 and MDED5002 and MDED5011 **Assessment:** Assessment for Independent Studies A will be a 6000-8000 word project, or its equivalent; whereas combining Independent Studies A and B will require a 10,000-14,000 word project, or its equivalent. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Evening or On-line

Note: Department permission required for enrolment. Note: Students negotiate with an Office of Postgraduate Medical Education staff member to be their supervisor on an agreed project. The supervisor emails the Postgraduate Student Administration Unit permission for the student to enrol.

Please note that it is not advisable to begin an Independent Study early in your program. We advise you to wait until you have completed four other units of study including the two core units and from 2009 MDED5011 will also be a prerequisite. Approval for independent studies must be sought from the program coordinator.

Candidates may contract to undertake independent studies in a particular field of educational interest or to undertake independent research. Students undertaking a research project will have appropriate supervision by academic staff in the Office of Postgraduate Medical Education and many have co-supervision within the actual research setting.

The project is negotiated with your supervisor and based on a written Learning Contract. The project can be undertaken for one semester (6 credit points - Independent Studies A) or two semesters (12 credit points - A and B) in negotiation with your supervisor. The choice of project is yours and you are encouraged to select a topic that is directly relevant to your own work setting. As part of the Independent Study you will develop your own learning outcomes.

Independent Study projects designed and undertaken by students in previous years include: Project Title - A framework for reflection on teaching: Combining teaching philosophy, reflective tools and insights from implementing a unit of study; Project Title - A Pilot Study of In-Training Assessment in Rheumatology Advanced Training; Project Title - Teaching Professionalism to Junior Medical Staff; Project Title - Teaching Clinical Reasoning to Medical Registrars.

Descriptions of these and further projects are available from our website at www.opme.med.usyd.edu.au

MDED5005

Independent Studies B

Credit points: 6 **Teacher/Coordinator:** Associate Professor Jill Thistlethwaite **Session:** Semester 1, Semester 2 **Classes:** Face-to-face: 1x3hr evening class (several times during the semester) plus scheduled supervisory meetings. Alternatively this unit may be undertaken fully online, with online supervision (approximately every fortnight). **Prerequisites:** MDED5001 and MDED5002 and MDED5011 **Assessment:** Combined project with MDED5004 Independent Studies A 10,000-14,000 words, or its equivalent. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Evening or On-line

Note: Department permission required for enrolment. Note: Students negotiate with an Office of Postgraduate Medical Education staff member to be their supervisor on an agreed project. The supervisor emails the Postgraduate Student Administration Unit permission for the student to enrol.

Please refer to MDED5004 Independent Studies A for a description of this unit of study.

Please note that as from 2009, MDED5011 will also be a prerequisite.

MDED5006

Facilitating Clinical Learning

Credit points: 6 **Teacher/Coordinator:** Associate Professor Jill Thistlethwaite
Session: Semester 1 **Classes:** The total workload for this unit of study is approximately 10 hours per week. This unit may be undertaken in two modes: either as a blended face-to-face course requiring attendance at 1x3hr fortnightly face-to-face class on campus, followed by some partici **Assessment:** 3xwritten assignments (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Evening or On-line

This unit aims to explore, discuss and critically appraise perspectives on, and practices in, clinical learning and the settings in which such learning takes place, and to apply these understandings and knowledge to the development of an initiative to improve clinical learning. Participants will explore what and how students learn in the clinical context; and the challenges of learning and teaching in a work environment. Participants will define a particular problem for learning and/or teaching from their own context and review the literature (theory and research) to develop an educational intervention to address this issue. The development of student professionalism, and how it is learnt, is another curricular theme in this unit of study.

By the end of this unit, students will demonstrate ability to: explain the principles of one of the main theories that underpin current understanding and conceptualization of learning and teaching in a clinical environment; identify the common challenges of preparing clinicians for complex practice and some of the distinctive, curricula, and pedagogical practices that have been developed to meet these challenges; frame questions related to student learning in your clinical environment for research; analyse and evaluate appropriate literature in relation to a specific area of investigation of learning in a clinical environment; apply knowledge of current theory/research to develop new understandings about learning and teaching in clinical environments; question and analyse current educational practice in own and other contexts; apply knowledge of current theory/research to justify a proposal for an innovation in teaching practice/s supporting the professional development of learners in your own clinical environment; analyse ethical considerations of any proposal for educational change; predict the effects of proposed educational change within own workplace setting; evaluate and reconsider your own teaching practice in the light of new knowledge and understanding; critically evaluate the impact of personal beliefs and attitudes on teaching; communicate information, ideas, problems, and solutions accurately and reliably, and with structured and coherent arguments in both written and oral format; work effectively and cooperatively as a member of a learning community, providing and responding to constructive feedback.

Please note: it is recommended that part-time students complete MDED5002 prior to commencing this unit.

MDED5007

PBL in Medical Education

Credit points: 6 **Teacher/Coordinator:** Dr Rola Ajjawi, Ms Samantha Van Staalduijn **Session:** Semester 2 **Classes:** The total workload for this unit of study is approximately 10 hours per week. This unit may be undertaken in two modes: either as a blended face-to-face course requiring attendance at 1x3hr fortnightly face-to-face class on campus, followed by some partici **Assessment:** 2xwritten assignments (100%) plus formative tasks **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Evening or On-line

This unit of study builds on the introduction to concepts of effective learning and teaching developed in MDED5001 by offering you in-depth study through authentic learning activities. The key focus of this unit is on developing your understanding of student-focussed perspectives on problem-based learning and the introduction of problem-based learning to professional health education curricula. An important aspect of your learning experience is the development of your own problem-based learning case, a process that combines

theory, design skills and creativity. This unit provides a foundation for the study of small group learning and teaching in future units of study.

By the end of this unit of study students will be able to: prepare students and staff for the introduction of a problem-based learning component; design problem-based learning cases to guide collaborative and self-regulated learning; critically appraise evidence for the effectiveness of problem based versus alternative curricula; justify the introduction of problem based learning into new or revised professional health education curricula.

MDED5008

Assessment in Medical Education

Credit points: 6 **Teacher/Coordinator:** Associate Professor Christopher Roberts **Session:** Semester 1 **Classes:** The total workload for this unit of study is approximately 10 hours per week. This unit may be undertaken in two modes: either as a blended face-to-face course requiring attendance at 1x3hr fortnightly face-to-face class on campus, followed by some partic **Assessment:** 3x2500 word essays (75%) and 1xpresentation (25%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Evening or On-line

The aims of this unit are that students will gain enhanced skills in student assessment and a deeper understanding of principles and practices which underpin evidence-based assessment practice in medicine and the health sciences. Assessment is an essential element of undergraduate, post-graduate and continuing medical education and training. This unit of study will focus on the purpose, design, implementation and evaluation of authentic assessment tasks and strategies that reflect what practitioners do and what students will do in medical practice. The unit of study will discuss the principles underpinning best assessment practice and the evidence for particular assessment strategies.

Specific topics to be addressed include selecting assessment tools, the design and blueprinting of assessment strategies, use of assessment in formative and summative assessments, the implementation and evaluation of assessment strategies appropriate to particular medical education contexts and measurement of appropriate outcomes. This unit of study will be presented as a series of workshop sessions and problem-based learning activities.

During this unit students will learn to: evaluate the purpose, reliability and validity of an existing assessment; design and construct a reliable, valid and acceptable assessment instrument; develop strategies to facilitate the implementation of change in assessment practices; demonstrate the ability to engage in collaborative learning and demonstrate the ability to critically reflect on personal learning and teaching practices.

MDED5009

Promoting Interprofessional Learning

Credit points: 6 **Teacher/Coordinator:** Ms Gillian Nisbet **Session:** Semester 2 **Classes:** The total workload for this unit of study is approximately 10 hours per week. This unit may be undertaken in two modes: either as a blended face-to-face course requiring attendance at 1x3hr fortnightly face-to-face class on campus, followed by some partic **Assessment:** 1x8000word project (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Evening or On-line

Note: Department permission required for enrolment. Note: Students request permission from the unit of study coordinator to enrol in this unit. The coordinator emails the Postgraduate Student Administration Unit advice that the student has permission to enrol.

This unit aims to prepare students to promote interprofessional learning opportunities in the workplace. This unit will focus on the exploration of theoretical and practical issues surrounding the promotion of interprofessional collaborative learning. Students will undertake a small-scale project to design an interprofessional learning opportunity relevant to their educational environment. Particular emphasis will be given to the benefits and challenges to implementation of interprofessional learning.

By the end of this unit, students will be able to: design and implement a protocol/guideline for assessing interprofessional teamwork; from the literature identify the benefits of and barriers to interprofessional learning as it relates to health professional education and apply knowledge of the interprofessional learning literature and educational strategies to design interprofessional learning opportunities.

MDED5010**Developing Clinical Reasoning**

Credit points: 6 **Teacher/Coordinator:** Dr Rola Ajjawi **Session:** Semester 1 **Classes:** The total workload for this unit of study is approximately 10 hours per week - this unit may be undertaken in one of two modes: either as a blended face-to-face course requiring attendance at 1x3hr fortnightly face-to-face class on campus, followed by some **Assessment:** 2xwritten assignments (100%) plus formative tasks **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Evening or On-line

In this unit of study participants will develop a deep understanding of the theoretical and practical issues surrounding the facilitation of clinical reasoning. They will critique and analyse educational theory and research to form a comprehensive theoretical framework to support their learning and teaching of clinical reasoning. They will engage in critical reflection of their own reasoning and learn strategies for facilitating its development in a variety of medical education contexts. Participants will also learn to identify students' reasoning difficulties and to design a program to promote the development of clinical reasoning within their own workplace setting.

Textbooks

Higgs J, Jones M, Loftus S and Christensen N (2008). *Clinical Reasoning in the Health Professions*, (3rd ed.). Oxford: Butterworth-Heinemann.

MDED5011**Research Methods in Medical Education**

Credit points: 6 **Teacher/Coordinator:** Associate Professor Charlotte Rees **Session:** Semester 2 **Classes:** The total workload for this unit of study is approximately 10 hours per week - this unit may be undertaken in one of two modes: either as a blended face-to-face course requiring attendance at 1x3hr fortnightly face-to-face class on campus, followed by some **Corequisites:** MDED5002 **Assessment:** 1x8000 word project (100%) plus formative tasks **Campus:** Camperdown/Darlington **Mode of delivery:** On-line or Normal (lecture/lab/tutorial) Evening

This unit of study is designed to build on the basic research principles learnt in MDED5002 (Scholarship of Teaching in Medicine) and to prepare students for independent research in medical education. This advanced unit of study will help students develop a greater depth of understanding of research methods suitable for medical education, including qualitative, quantitative and mixed methods research. Students will explore the philosophical assumptions underpinning these research traditions and the range of data collection methods best suited to answer a research question based on their own context. They will learn to critically evaluate research in medical education and will learn to design a comprehensive medical education research proposal. They will also learn to apply quantitative and qualitative techniques to analyse medical education research data.

Textbooks

Cohen L, Manion L, Morrison K. *Research Methods in Education* (6th edition). New York: Routledge, 2007.

Medical faculty units**MEDF5005****Health Research Methods and Ethics**

Credit points: 6 **Teacher/Coordinator:** Dr Patrick Kelly **Session:** Semester 1, Semester 2 **Classes:** Interactive lectures and tutorials, online lectures and discussions **Assessment:** 1x3000wd assignment (45%), 1x2500wd assignment (40%), online self-study tasks (15%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education/Intensive on Campus

This unit of study introduces students to the fundamental skills that are required for postgraduate research in medicine and health. Students will learn how to conduct research that is scientifically and ethically sound, be able to critically appraise and review literature, and will develop simple but important statistical analysis skills. In particular, students will learn how to present and interpret data, basic data management skills, and how to determine the required sample size for a study.

Obtaining ethics approval is necessary for any study involving the collection or analysis of data involving humans, animals or their tissues. Hence, this unit will also cover when and how to apply for ethics approval.

International public health units**MIPH5004****Praxis in International Public Health I**

Credit points: 2 **Teacher/Coordinator:** Professor Lalit Dandona, Dr Mu Li **Session:** Semester 1, Semester 2 **Assessment:** 1x2000word written report (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: Students discuss with an international public health staff member to be their supervisor on an agreed project. The supervisor emails the Postgraduate Student Administration Unit permission for the student to enroll.

This unit gives students the opportunity to undertake a special project (a research project or a field placement) in their area of interest in international public health as part of the course. Students may research their chosen topic, develop a proposal or analyse data already collected, then write a brief report. Alternatively, students may choose to undertake a placement with an international aid agency or with relevant sections of health services overseas or in Australia and then write a brief report about it. Students discuss with an international public health faculty to be their supervisor on a project and agree to expected deliverables. The supervisor provides guidance and assesses the report.

MIPH5005**Praxis in International Public Health II**

Credit points: 4 **Teacher/Coordinator:** Professor Lalit Dandona, Dr Mu Li **Session:** Semester 1, Semester 2 **Assessment:** 1x4000word written report (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: Students discuss with an international public health member to be their supervisor on an agreed project. The supervisor emails the Postgraduate Student Administration Unit permission for the student to enrol.

This unit gives students the opportunity to undertake a special project (a research project or a field placement) in their area of interest in international public health as part of the course. Students may research their chosen topic, develop a proposal or analyse data already collected, then write a report. Alternatively, students may choose to undertake a placement with an international aid agency or with relevant sections of health services overseas or in Australia and then write a report about it. Students discuss with an international public health faculty to be their supervisor on a project and agree to expected deliverables. The supervisor provides guidance and assesses the report.

MIPH5008**Travel and Tropical Medicine**

Credit points: 2 **Teacher/Coordinator:** Dr Giselle Manalo, Dr Paula Fogarty **Session:** S2 Late Int **Classes:** 1x2day intensive lectures **Assessment:** 1x2000word individual essay (90%) and Attendance (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

This unit is a short course of two days duration. It provides candidates with a general overview of common health issues for travelers to tropical regions and emerging travel-related diseases and methods for prevention and control of these diseases. It also takes a general look at travel/public health regulations associated with outbreaks/disasters. It is particularly orientated towards travelers or those intending to work in tropical countries for a significant period of time.

Textbooks

Unit notes supplied by School.

MIPH5014**International Health Promotion**

Credit points: 4 **Teacher/Coordinator:** Dr Philayrath Phongsavan, Dr Cynthia Hunter **Session:** Semester 2 **Classes:** 1x2hr lecture per week for 13 weeks; 1x1hr tutorial per week for seven weeks **Assessment:** 1,500 words essay (30%), 2,500 words report (50%), tutorial presentation and attendance (20%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study aims to provide students with an understanding of the principles, theory and methods that are employed in health promotion. The unit will give attention to the full spectrum of health promotion activities, from local level initiatives to the development of national policies to achieve health goals. It will have a strong practical and methodological focus, with the objective of enabling students to develop knowledge and skills for planning, implementing and evaluating health promotion programs and policies. This unit of study provides students with opportunities to look at theory and practice in health promotion and the major health promotion issues at national and international levels. Models and methods that are commonly used in health promotion and disease prevention will be described and discussed by using real life examples. Among the major issues examined are the health impact of economic development at the national and global levels, prevention and control of cigarette smoking, non-communicable diseases, HIV/AIDS and diarrhoeal disease.

Textbooks

Unit notes supplied by School.

MIPH5112

Disease Control in Developing Countries

Credit points: 4 **Teacher/Coordinator:** Dr John Hall, Dr Giselle Manalo
Session: Semester 2 **Classes:** 13x2hr lectures per semester, 9x1hr tutorials per semester plus 2x2peer learning sessions through group presentations
Assessment: 1xgroup presentation (15%), 1x2000 word written essay (75%), tutorial facilitation (5%) and peer evaluation (5%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit gives candidates an insight into prevention and control of specific diseases in developing countries by using country-specific examples, presented by a wide range of professionals with direct practical experience. The unit specifically looks into the control of infectious diseases including leprosy, vector borne diseases, sexual transmitted infections (STIs), cholera and parasitic diseases that are prevalent in many parts of the world and some of the emerging infectious diseases such as avian influenza.

Textbooks

Unit notes supplied by School.

MIPH5115

Women's and Children's Health

Credit points: 4 **Teacher/Coordinator:** Professor Heather Jeffery, Associate Professor Michael Dibley **Session:** Semester 2 **Classes:** 11x2hr lectures per semester, 9x1hour tutorials and 2x2peer learning sessions through group presentations **Assessment:** 1xgroup presentation (15%), 1x2500 word written essay (75%), tutorial facilitation (5%), and peer evaluation (5%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit aims to give students an overview of the health status of women and children in international settings. It also aims to examine causes of major health problems and possible approaches to improving the health of women and children in resource-poor countries. The unit covers a variety of issues in women's and children's health, including approaches to prevention maternal, neonatal and neonatal mortality, nutritional issues, poverty, HIV transmission, gender and motherhood, traditional practices and early marriage, family planning, diarrhoeal disease, pneumonia, vaccine preventable diseases, and case studies.

Textbooks

Unit notes supplied by School.

MIPH5116

Health and Culture

Credit points: 4 **Teacher/Coordinator:** Dr Cynthia Hunter, Dr Giselle Manalo
Session: Semester 2 **Classes:** 1x2day workshop, 1x2hr seminar per week for 7 weeks **Assessment:** 1x3000word essay (75%) and 1x1hr class facilitation (25%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit aims to provide an integrated and interpretive approach to an understanding of health-related behaviours of populations in international settings, by synthesizing anthropological knowledge and methodology, and the interactions of culture, biology, psychology and environment. The teaching process is by student-led, lecturer-guided, discussion based review and critical analysis of relevant topics. During the unit, students will explore a range of issues in international and

multicultural health from an anthropological perspective. Methodological approaches will encompass ethnography and other anthropological data collection methods. The issues covered will include cultural influences on health, illness and healing, such as indigenous and traditional beliefs and systems, gender and cultural change and the impact of modernization and development on illness and healing. The impact examines disease and illness patterns - their distribution and persistence, mental illness and culture and attitudes towards the use of medications; and the provision of culturally sensitive and appropriate services. The emphasis will be on covering a range of topic areas relevant to the students enrolled, and those of particular importance in contemporary international and multicultural health contexts.

Textbooks

Unit notes supplied by School.

MIPH5117

Diseases of Modernisation

Credit points: 2 **Teacher/Coordinator:** Associate Professor Michael Dibley
Session: Semester 2a **Classes:** 1x2hr seminars per week for 7 weeks
Assessment: 1x2000word written assignment (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit aims to provide candidates with an understanding of the causes and control of diseases associated with social and economic development and the demographic and health transitions. Topics covered in the unit include diseases of modernisation - an overview, burden and causes of cardiovascular diseases; prevention and treatment of cardiovascular diseases; cancer; nutrition and obesity; primary health care management of NCDs; public health and health promotion for NCDs - integrated NCD control programs.

Textbooks

Unit notes supplied by School.

MIPH5118

Global Perspectives of HIV/AIDS

Credit points: 4 **Teacher/Coordinator:** Professor Lalit Dandona, Mr Joel Negin **Session:** Semester 2 **Classes:** 11x2hr lectures, 9x1hr tutorials per semester plus 2x2hr peer learning sessions through group presentations 1x1hr tutorial per week for 9 weeks **Assessment:** 1xgroup presentation (15%), peer evaluation (5%), 1x2000 word individual assignment (75%), and tutorial (5%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit offers a detailed and evidence-based assessment of the global HIV/AIDS situation to equip students with the latest understanding of HIV/AIDS distribution and trends globally, its social and economic implications, the measures being taken to prevent and treat HIV/AIDS, the gaps that need to be addressed in HIV control, and the politics around global HIV issues. Examples from different parts of the world, particularly less developed settings, are used to illustrate analysis of the key issues influencing the HIV/AIDS control agenda globally. Emphasis is placed on developing a critical and analytical approach to assessing the HIV/AIDS situation and developing interventions for its control.

Textbooks

Unit notes supplied by School.

MIPH5122

International Environmental Health

Credit points: 2 **Teacher/Coordinator:** Dr John Hall, Ms Christine Cowie
Session: Semester 2 **Classes:** 1x2hr seminar per week for 7 weeks
Assessment: 1x2000word critical appraisal (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

To provide participants with an overview of public health aspects of environmental health in international settings, and to consider the range of responses by government and other multilateral agencies. During the unit, students will consider the problems faced by government and non-government organizations to ameliorate the effects of human development on the environment. The unit will cover: international environmental health - burden of disease; hazards; risks and risk management; exposure assessment; environmental epidemiology and environmental health investigation; water supply;

sanitation; housing; the household compound; and domestic smoke inhalation/ARIs; toxicology and environmental health; environmental protections and regulatory infrastructure.

Textbooks

Unit notes supplied by School.

MIPH5124

Health Issues & Humanitarian Emergencies

Credit points: 4 **Teacher/Coordinator:** Ms Bronwen Blake, Associate Professor Michael Dibley **Session:** S2 Late Int **Classes:** 1x4day workshop **Assessment:** workshop activity (40%), 1x2500word written assignment (60%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

This unit gives students an overview of public health aspects of humanitarian emergencies in developing country situations and the range of appropriate responses. This includes considering problems faced by government and non-government organisations in humanitarian emergency relief efforts.

Textbooks

Unit notes supplied by School.

MIPH5127

Mental Disorders in Global Context

Credit points: 2 **Teacher/Coordinator:** Dr Maree Hackett, Professor Craig Anderson, Dr Cynthia Hunter **Session:** S2 Late Int **Classes:** 1x2day workshop **Assessment:** 1x2000word essay (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

This unit aims to present an overview and critique of mental disorders in an international context. It covers broad issues related to the classification of mental and substance use disorders, their prevalence and population burden and their biological, environmental and cultural determinants. While the focus of the module is on international epidemiology, the course also aims to promote understanding of the economic and humanitarian implications of the burden of mental and substance use disorders for prevention, treatment and health policy. The unit will cover what a mental disorder is, how frequent and how disabling mental disorders are and what the major correlates and determinants of mental disorders are. Students will look at the problems of greatest burden: depression and anxiety disorders, psychosis and dementia, suicide and substance use disorders with a focus on health policy.

Textbooks

Unit notes supplied by School.

MIPH5128

Dissertation A

Credit points: 6 **Session:** S2 Late Int, Semester 1, Semester 2 **Prerequisites:** A candidate must have obtained a minimum weighted average mark of 70% in at least 24 credit points of coursework and obtained approval from the course-coordinator to enrol in this unit of study. Enrolment must be done through the Faculty or School office. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

MIPH5129

Dissertation B

Credit points: 6 **Session:** S2 Late Int, Semester 1, Semester 2 **Prerequisites:** A candidate must have obtained a minimum weighted average mark of 70% in at least 24 credit points of coursework and obtained approval from the course-coordinator to enrol in this unit of study. Enrolment must be done through the Faculty or School office. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

MIPH5130

Dissertation C

Credit points: 12 **Session:** S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Prerequisites:** A candidate must have obtained a minimum weighted average mark of 70% in at least 24 credit points of coursework and obtained approval from the course-coordinator to enrol in this unit of study. Enrolment must be done through the Faculty or School office. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

MIPH5131

Foundations of International Health

Credit points: 6 **Teacher/Coordinator:** Professor Lalit Dandona, Dr Mu Li, Dr Cynthia Hunter **Session:** Semester 1 **Classes:** 1x2hr lecture/week for 12 weeks, 2x1day seminar and 1x1hr tutorial/week for 9 weeks **Assessment:** 1x assignment 1 (20%), 1xgroup presentation (25%), 1x assignment 2 (45%) and tutorial discussion (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

The unit aims to provide candidates a multidisciplinary perspective of the interplay between health and development in developing country populations, from a range of social science and public health disciplines. an understanding of the concepts of health systems and policy, and the role played by major international organisations and agencies in international / global health; a broad-based understanding of the fundamental issues in international / global health that is necessary for placing specific international health issues in context. The unit will cover the following themes: health and development,, Millennium Development Goals, poverty and health, gender and health, culture and health, education and health, environment and health, public health advocacy, international legal framework for health and human rights, health systems, health policy, human resources for health, primary health care, drugs, vaccines and technology for global health and disease and security. At the end of the unit, students should be able to demonstrate an understanding of the relation between health and development globally and its diverse aspects; demonstrate an understanding of how health systems and policy operate in less developed countries and the critical issues with them that need to be addressed; demonstrate an understanding of the role played by the various international organisations and agencies in health in less developed settings, and use the available evidence to critically appraise cross-cutting issues in international / global health that have a major influence on population health.

Textbooks

Unit Notes (supplied by School) to be given out in the first week of classes.

In addition the following text books are recommended for reference:

International Public Health: Diseases, Programs, Systems, and Policies by Michael H. Merson, Robert E. Black, Anne J. Mills (editors). Sudbury, MA, USA: Jones & Bartlett Publishers, 2006.

Essentials of Global Health by Richard Skolnik. Sudbury, MA, USA: Jones & Bartlett Publishers, 2008.

Case Studies in Global Health: Millions Saved by Ruth Levine and the What Works Working Group. Sudbury, MA, USA: Jones & Bartlett Publishers, 2007.

MIPH5132

Disease Priorities and Social Methods

Credit points: 6 **Teacher/Coordinator:** Associate Professor Michael Dibley, Associate Professor Susan Quine, Dr Giselle Manalo **Session:** Semester 1 **Classes:** 12x2hr lectures and 9x1hr tutorials per semester plus 1x2 day short course on social research methods **Assessment:** 1x 2000word assignment (40%), 1x questionnaire (30%), 1x1hr written examination (25%) and tutorial (5%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit introduces candidates to the methods used to identify disease priorities for public health action in developing countries using as a paradigm the approaches developed for the global burden of disease study. It will provide candidates with an understanding of the major conditions responsible for illness, disability and premature mortality in developing countries, and their magnitude, causes, and control. The design and implementation of disease control and health promotion programs for developing country populations will be discussed based on an understanding of the biological, environmental, behavioral, social and cultural aspects of major health problems. Topics covered in the unit will include the global burden of disease; assessment of health and disease in populations; methods for conducting applied field research, the situational relevance of quantitative and qualitative research methods, and the potential benefits of combining methods for the investigation of health related outcomes; reviews of the burden of illness, the epidemiology, and the control and prevention strategies in developing countries for infectious diseases - HIV/AIDS, malaria, and tuberculosis; injuries and non-communicable diseases - cardiovascular diseases and mental health; and malnutrition, reproductive and perinatal conditions and childhood infectious diseases, The unit will enable candidates to

acquire 'hands on' experience in the use of the field research data collection methods and study and sampling designs, and the skills to apply these methods.

Textbooks

Unit notes supplied by School.

MIPH5135

Health Systems in Developing Countries

Credit points: 4 **Teacher/Coordinator:** Professor Lalit Dandona, Mr Joel Negin **Session:** Semester 2 **Classes:** 8x2 hr lecture and 1x1.5 day workshop **Assessment:** 1xgroup presentation (25%), 1x2500 word case study report (65%), and participation (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Health systems are complex and multi-faceted. Successful health systems require attention to political economy, governance, institutions, and local context. This unit will cover health systems in developing countries to equip students with a conceptual understanding and a set of tools to address major public health challenges from a health systems perspective. With a focus on evidence-based decision making, the unit will provide an understanding of health systems including specific topics such as health workforce, financing, service delivery, information systems and policy, and how these impact health interventions and health status in less developed countries. A multi-sectoral, integrated model will be used to understand the varied aspects of development challenges related to health systems. A case study approach will then provide students with concrete examples of health systems challenges and will strengthen students' ability to view health problems in a holistic, multi-faceted manner. The unit will provide students with the tools needed to make a practical difference in health systems in less developed countries with emphasis on implementation of health projects and bringing interventions to scale.

MIPH5136

Nutrition in International Settings

Credit points: 4 **Teacher/Coordinator:** Dr Mu Li, Associate Professor Michael Dibley **Session:** S2 Intensive **Classes:** block mode (2x2 days) **Assessment:** 1x1000 word exercise on nutritional assessment (20%), 1xgroup presentation on nutritional interventions (20%), 1x2500 word assignment (50%), and workshop participation (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

The aim of this unit is to provide students with insights into the major nutrition-related public health problems in low and middle income countries, knowledge and practical skills about nutritional assessment, and the design and evaluation of nutritional interventions. The content areas include an overview of nutrition as a major determinant of health and disease, methods to assess community nutritional status, the impact of maternal and child undernutrition on mortality and overall disease burden, design and evaluation of effective interventions, issues surrounding food security and nutrition policies and resources. The unit is taught in two 2-day workshops, with the first workshop focusing on nutritional assessment and major nutrition-related public health problems in low and middle income countries, and the second workshop focusing on design and evaluation of interventions. On completion students should be able to recognise key nutritional problems facing low and middle income countries, to have acquired knowledge and practical skills as to how these problems can be assessed and insights into a number of different multi-sectoral approaches to address these problems.

MIPH5218

Economics and Global Pharmaceuticals

Credit points: 2 **Teacher/Coordinator:** Associate Professor Glenn Salkeld **Session:** S2 Intensive **Classes:** 1x2hr lecture per week for 7 weeks **Assessment:** 1x2000word essay (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Access to pharmaceuticals is an important and highly contested issue worldwide. Solutions to problems of access cannot be developed without: an understanding of the dimensions; structure and workings of global pharmaceutical market; and a grasp of key concepts relating to the use of essential drug lists, rational; drug use, intellectual property, international trade, and the application of cost-effectiveness

principles to pricing and reimbursement. This unit focuses on the affordability of, and access to, pharmaceuticals in developing countries. The unit will characterise the global pharmaceutical market as driven predominantly by political and economic forces, while acknowledging the broader context of health and human rights. Key concepts to be covered relate to the use of essential drug lists; rational drug use; intellectual property; international trade; access, affordability and the application of cost-effectiveness principles to pricing and reimbursement. Specific sessions will focus on HIV/AIDS; recent bilateral and multilateral trade agreements trade agreements; actual case studies in access; and pharmaceutical industry marketing practices. The unit will present a range of viewpoints on each issue canvassed (including the pharmaceutical industry and non-government/activist organisations).

MIPH5219

International Health Project Management

Credit points: 6 **Teacher/Coordinator:** Dr Mu Li, Mr Joel Negin **Session:** Semester 2 **Classes:** 10x2hr lectures/week, 1x1 day workshop, 6x1hr tutorial/wk, and 6 hours peer learning **Assessment:** 1x40minutes group presentation (20%), 1xgroup participation (15%), 1xgroup written assignment (40%) and 1x1000wd individual assignment (25%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Effective international health projects management contributes to the achievement of health and development in developing countries. The unit aims to give students a good understanding of the concepts and key elements of the Logical Framework Approach (LFA) and project life cycle, and to demonstrate tools and techniques used in effective project management at different stages, including project planning, implementation and monitoring and evaluation. A detailed step by step application of LFA in project design will be presented, including stakeholder analysis and cross-cutting issues analysis, problem and objective trees, and the logframe matrix. The Unit also gives students an opportunity for hands-on practice through the design of a project in an international setting and allows them to consider the challenges and practical issues faced by people involved in international health project management. The key topic areas covered include: concepts and principles of international project management; context and situation analysis; key stages of project development; the LFA for project design; project management functions including managing information, resources, risk, quality and change; post project issues of evaluation and sustainability. At the end of the course, students should be able to: identify the key aspects of the LFA to project design; develop a project proposal in international settings; recognise challenges and practical issues faced by people involved in international health project management; and apply a systematic approach to project planning and management in international settings.

Textbooks

Unit notes supplied by School.

Medical humanities units

MMHU6902

Independent Study

Credit points: 6 **Teacher/Coordinator:** Dr Claire Hooker **Session:** Semester 1, Semester 2 **Classes:** 1hr/week supervision **Assessment:** 1xresearch essay 4-5000words; 2x750word pass/fail exercises **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit will provide an opportunity for approved candidates to pursue an extended project under supervision. Students will be expected to discuss and plan the project with their supervisor, then submit drafted material to an agreed timetable, and to discuss this drafted material with their supervisor before submitting a final draft.

Textbooks

A course reader will be supplied

MMHU6903

Key Concepts in Medical Humanities

Credit points: 6 **Teacher/Coordinator:** Dr Claire Hooker **Session:** Semester 1 **Classes:** 1x2hr seminar/week **Assessment:** 1xseminar presentation

1500words; 1essay 3500words **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit will introduce key concepts in history, philosophy, ethics, literature and art related to medicine and health practices. The primary focus is on the human experience of illness and health care and the principal aim of the unit is to promote critical thinking and self-directed inquiry in analysing medicine as a privileged knowledge system.

Textbooks

Susan Sontag. *Illness as Metaphor*. Vintage, 1977.
A course reader will be supplied.

MMHU6905

Medicine and Music

Credit points: 6 **Teacher/Coordinator:** Prof Michael Field, Prof Jack Carmody **Session:** Semester 2 **Classes:** 1x2hr seminar/week **Assessment:** 1xclass presentation and short essay (1500-2000wds) + 1 research essay (3000-3500wds) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

In this unit, we will examine the links between medicine and music, through substantive topics and exposure to different intellectual and methodological approaches drawn from the humanities and social sciences. Areas for discussion include music and well-being; music and healing; the psychological and physiological basis of music appreciation and the existence of phenomena such as the 'idiot savant'; the place and role of music therapy, especially in relation to psychiatric disorders (e.g. autistic spectrum disorders in children); various historical connections (e.g. doctors as musicians, and the impact of illness on composers).

MMHU6906

Bodies on Display: Medicine, Museums, Art

Credit points: 6 **Teacher/Coordinator:** Dr Claire Hooker **Session:** Semester 1 **Classes:** 2 lectures + 1 tutorial per week for 13 weeks **Assessment:** 1x3000 wd essay (40%), 1x1500 wd essay (30%) and participation and report (30%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This single semester unit of study examines how the body has been represented in the convergent spaces of medicine and art. The unit focus is on medical museums, with a component of fieldwork and interaction with museums on and nearby the University campus - the Wilson anatomy museum, the pathology museum, the Shellshear Museum (anthropological material), the Royal Prince Alfred Hospital Museum, The Macleay Museum and the Pathology museum at the University of NSW. In this course students will consider how and why the human body has been displayed and represented as an object of knowledge, art, and entertainment, through class sessions that consider the history of medical museums, the ethics of museum displays, and the relationship between museums and other forms of scientific and artistic display of the body in medical atlases, medical photography and in the work of artists who utilise medical museums. Later in the course some comparisons will be made with more recent forms of display and artistry around the medicalised body, such as the Visible Man project and Gunter von Hagens' plastination displays. While the focus of the course will be centred on representations of the body, students will also be encouraged to consider, compare and critique the ways in which museums present stories about medicine.

MMHU6908

Dignity

Credit points: 6 **Teacher/Coordinator:** Dr Claire Hooker **Session:** Semester 1 **Classes:** 2 day intensive face to face + biweekly online discussion **Assessment:** 1x3000 wd essay (40%), 1x1500 wd essay (20%), creative work (30%) and online contributions (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education/Intensive on Campus

This single semester unit of study examines the concept and nature of dignity in medical contexts. Dignity is usually regarded as being a core human value in medicine, with patients finding loss of dignity one of the most challenging aspects of the experience of critical illness and conversely the preservation of dignity being a constant (if, perhaps, rarely accomplished) goal for health care workers. Modelled on regular retreats held by medical humanities institutions overseas,

this unit explores the sensory, embodied, conceptual, historical and philosophical components of dignity through expert-led conversations, academic research and the creative arts. Students will be encouraged to challenge and share their ideas and experiences about dignity with senior medical professionals, patients and their peers.

MMHU6909

Risk and Health: Communication, Policy

Credit points: 6 **Teacher/Coordinator:** Dr Claire Hooker **Session:** Semester 2 **Classes:** 1x2day intensive plus online learning and assessment **Assessment:** 1x3000 wd essay (40%), 1x1500 wd essay (30%) and participation and report (30%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education/Intensive on Campus

This single semester unit of study examines connections between risk communication and health policy around a variety of health risk issues. The unit offers a combination of a two-day face-to-face intensive study of psychological and sociological approaches to understanding health risks, and of policy processes in health risk controversies. The central focus will be on communicating with patients and the public as risk events unfold, and on interaction and impacts of policy choices and risk communication. The two day intensive will be followed by a series of online problem based learning and assessment tasks, in which the skills and concepts of risk communication and policy development will be applied to real case examples. Exemplar will include controversies over: immunization, hormone replacement therapy, air and water quality, siting telecommunications towers, cancer clusters and responses to epidemic outbreaks

Ophthalmic science units

OPSC5001

Ophthalmic Anatomy

Credit points: 9 **Teacher/Coordinator:** Dr Kathy McClellan **Session:** Semester 1, Semester 2 **Classes:** distance learning environment (total of 20hrs/wk) for 13 wks comprising: lectures delivered via CDROM (3 hrs/wk) online tutorials (1hr/wk) self directed learning and assignments (16hrs/wk) wk 14 for revision. In addition to time spent on assignments it is **Assumed knowledge:** Undergraduate knowledge of basic human anatomy **Assessment:** 1x3000word assignment every 3wks (45%), online interaction (10%) and 1x3hr exam (45%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education

Successful candidates will demonstrate to the examiners that they have a detailed and comprehensive knowledge of anatomy of relevance to the practice of ophthalmology, in particular the eye, the visual pathways, the orbit and its contents including peri-orbital structures. They are also expected to have an understanding of the embryology, maturation and normal ageing changes of the human eye. They should also be familiar with the anatomy of the head and neck including neuro-anatomy, histology and the use of diagnostic imaging as it pertains to the visual system. On completion of this unit of study the successful student will be able to (1) describe the normal anatomical organisation of the human eye, orbit and contents and head and neck in terms of cells, tissues, organs and systems, (2) describe the principal components of the human visual system and their function in detail and (3) describe how diagnostic imaging may be used in ophthalmic practice.

Textbooks

Prescribed: Wolff's *Anatomy of the Eye and Orbit* (8th ed). AJ Bron et al (eds) HK Lewis, London 1997 Recommended: *Histology of the Human Eye*, M. Hogan, J. Alvarado, J. Wedell, W.B. Saunders, Philadelphia, 1971; *Gray's Anatomy* (38th ed.), Churchill Livingstone, Edinburgh, 1989; *Clinical Anatomy of the Eye*, R.S. Snell, M.A. Lemp, Blackwell Science (2nd ed.), *The Eye Basic Sciences in Practice* (Chapters 1 and 2), J. Forrester et al, Saunders Co. Ltd., London 1996; *The Human Nervous System, An Anatomical Viewpoint* (5th ed.), M.L. Barr & J.A. Kiernan, Harper and Row, Philadelphia 1988.

OPSC5002

Ophthalmic Physiology

Credit points: 9 **Teacher/Coordinator:** Dr John Grigg **Session:** Semester 1 **Classes:** distance learning environment (total of 20hrs/wk) for 13 wks comprising: lectures delivered via CDROM (3 hrs/wk) online tutorials (1hr/wk) self directed learning and assignments (16hrs/wk) wk 14 for revision. In addition

to time spent on assignments it is **Corequisites:** OPSC5001 **Assumed knowledge:** Undergraduate knowledge of basic human cell and organ physiology **Assessment:** 1x3000word assignment every 3wks (45%) online interaction (10%) 1x3hr exam (45%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education

Successful candidates will demonstrate to the examiners that they have a detailed and comprehensive knowledge of physiology of relevance to the practice of ophthalmology. Particular emphasis will be placed on the organisation, function, mechanism of action, regulation and adaptation of relevant structures and their component parts. They are also expected to have an understanding of the maturation and normal ageing changes of the human eye. Candidates must have a thorough understanding of the methods used to measure the activity of relevant physiological processes e.g. intraocular pressure, retinal electrical activity, visual acuity etc On completion of this unit of study the successful student will be able to (1) describe the normal physiological functioning of the human eye and nervous system, (2) describe the principal physiological laws and phenomena that apply to these systems and (3) describe how these physiological processes are measured and the limitations of such tests.

Textbooks

Prescribed: Adler's Physiology of the Eye (10th Ed), Kaufman ed, CV Mosby and Co. St Louis 2000; Review of Medical Physiology (21st Ed) WF Ganong, McGraw Hill 2003 Recommended: Biochemistry of the Eye RE Anderson (ed), American Academy of Ophthalmology Manuals Program, 1983, Physics for Ophthalmologists DJ Coster (ed) Churchill Livingstone, Sydney 1997.

OPSC5003

Ophthalmic Optics

Credit points: 9 **Teacher/Coordinator:** Dr Con Petsoglou **Session:** Semester 2 **Classes:** distance learning environment (total of 20hrs/wk) for 13 wks comprising: lectures delivered via CDROM (3 hrs/wk), online tutorials (1hr/wk), self directed learning and assignments (16hrs/wk), wk 14 for revision. In addition to time spent on assignments it **Assumed knowledge:** Undergraduate knowledge of physics relating to light and optics **Assessment:** 1x3000word assignment every 3wks (45%), online interaction (10%), and 1x3hr exam (45%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education

Successful candidates will demonstrate to the examiners that they have a detailed and comprehensive knowledge of optics of relevance to the practice of ophthalmology. Particular emphasis will be placed on the topics of Physical, Geometrical, Physiological and Instrument Optics. On completion of this unit of study the successful student will be able to (1) describe the physical properties of light and lasers, (2) describe the geometrical principles of light and the laws governing lights interaction with materials and (3) describe the physiological optics of the human eye and how to test this.

Textbooks

Prescribed: Clinical Optics, AR Elkington & HJ Frank, Blackwell Science, 3rd Ed, 2000; Optics, Refraction and Contact Lenses, Basic and Clinical Science Course, American Academy Ophthalmology, 2003. Recommended: Optics MH Freeman, Butterworths-Heinemann Medical; 10th Ed, 1990, Optics for Clinicians M Rubin, Triad Publishing, 3rd Ed, 1993.

OPSC5004

Practical Ophthalmic Science

Credit points: 9 **Teacher/Coordinator:** Dr Con Petsoglou **Session:** S2 Late Int **Classes:** The unit of study will be offered as a 3wk block/intensive mode (3x5days) to be taken at either the Save Sight Institute or at the University of Dunedin. The unit of study will be held during the inter semester break. Each week will cover practical aspect **Prerequisites:** OPSC5001 and (OPSC5002 or OPSC5003 or OPSC5013) **Assumed knowledge:** Undergraduate knowledge of physics relating to light and optics **Assessment:** 3x1hour observed structured practical exams (100%). The format will include a combination of multiple choice questions, short answers, essay style questions and naming parts of anatomical dissections, performing simple experiments, use of ophthalmic equipment and clinical application of the basic sciences. Each practical exam will be worth 1/3 of the total mark for the unit of study. A score of over 50% is required for each of the viva exams for candidates to be passed. Supplementary viva exams may be offered for those candidates who are borderline pass or have failed one section of the unit of study. **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Successful candidates will demonstrate to the examiners that they have a detailed and comprehensive knowledge of the practical aspects of ophthalmic sciences. Particular emphasis will be placed on the topics of Anatomy, Physiology and Optics. Learning outcomes: On completion of this Unit of Study the successful student will be able to

(1) describe the anatomy of the human eye, orbit, nervous system and head and neck, (2) correctly identify structures of the above on dissections, radiographic and magnetic resonance images, (3) describe the physiologic functioning of the human eye and nervous system, (4) correctly investigate, interpret results, recognise limitations and evaluate physiologic processes of the human eye and nervous system, (5) describe the physical, physiological and geometric optics of light and its application to the human eye and (6) correctly use ophthalmic instruments and describe their optical properties.

OPSC5005

Treatise

Credit points: 12 **Teacher/Coordinator:** Dr John Grigg **Session:** Semester 1, Semester 2 **Classes:** Students will be required to meet with their supervisor at least every 3 weeks to discuss the progress and implementation of their project. **Prerequisites:** OPSC5001 and OPSC5002 **Assessment:** Review by 2 independent assessors. Successful candidates will demonstrate to the examiners that they have a detailed and comprehensive knowledge of one area in the basic sciences or clinical ophthalmology. The treatise may take one of two forms, either a written output on work performed during the candidature from a supervised student project that contains between 10,000-20,000 words or a scientific paper that arises from a supervised student's project and has been accepted by a peer review journal for publication. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

The format of the project may be of a systematic review of the literature, a case series, short clinical trial, survey or other project acceptable to the course supervisor. It is essential where there is the use of patient information or patient enrolment onto the study that appropriate ethics approval is gained from the governing body where the project will take place. Students need to be mindful of the time ethics approval takes and incorporate it into the project time allocation On completion of this unit of study the successful student will be able to (1) undertake a medical/scientific project and follow it to its completion, (2) work constructively under the supervision of a supervisor, (3) display scientific thinking and apply this to ophthalmology and (4) attempt to publish their treatise or learn how to publish their work.

Textbooks

SUPRA booklet, Practical aspects of producing a thesis at the University of Sydney.

OPSC5011

Ocular Genetics

Credit points: 9 **Teacher/Coordinator:** Dr Con Petsoglou **Session:** Semester 1, Semester 2 **Classes:** distance learning environment (total of 20hrs/wk) for 13 wks comprising: lectures delivered via CDROM (3 hrs/wk), online tutorials (1hr/wk), self directed learning and assignments (16hrs/wk), wk 14 for revision. In addition to time spent on assignments it **Prerequisites:** OPSC5001 **Corequisites:** OPSC5002 **Prohibitions:** OPSC5012 **Assessment:** 1x3000word assignment every 3wks (45%), online interaction (10%), 1x3hr exam (45%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education

Note: Department permission required for enrolment. Note: Students request permission from the unit of study coordinator to enrol in this unit of study. The coordinator emails the Postgraduate Student Administration Unit advice that the student has permission to enrol.

Ocular genetics is becoming better understood as advances are made in the field. Areas of diagnosis, prognosis and possible gene therapy are becoming much more relevant and deserve to be included in the formal training of ophthalmologists.

Successful candidates will gain an understanding of genetics and molecular tools used in current medical genetics and disease gene discovery, understand the application of these concepts in ophthalmology, gain an overview of the current knowledge of genes associated with eye disease and the patho-physiological mechanisms, be aware of the broader ethical considerations when applying genetic knowledge to patients, become familiar with internet based bioinformatics - reference tools to aid clinical practice, research and self learning and be aware of the future therapeutic opportunities.

OPSC5012

Ocular Pathology

Credit points: 9 **Teacher/Coordinator:** Dr Weng Sehu **Session:** Semester 1, Semester 2 **Classes:** distance learning environment (total of 20hrs/wk) for

13 wks comprising: lectures delivered via CDROM (3 hrs/wk) online tutorials (1hr/wk) self directed learning and assignments (16hrs/wk) wk 14 for revision. In addition to time spent on assignments it is **Prerequisites:** OPSC5001 **Corequisites:** OPSC5002 **Prohibitions:** OPSC5011 **Assessment:** 1x3000wd assignment every 3wks (45%), online interaction (10%), 1x3hr exam (45%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education

Note: Department permission required for enrolment. Note: Students request permission from the unit of study coordinator to enrol in this unit of study. The coordinator emails the Postgraduate Student Administration Unit advice that the student has permission to enrol.

Ocular pathology is a specialty area within the study of ophthalmology. Ophthalmologists and pathologists require specific teaching to gain insights into this field. The Royal Australian and New Zealand College of Ophthalmologists requires trainees to study ocular pathology as part of their training. This course aims to equip and train prospective candidates in this exciting field. Successful candidates will gain an understanding of pathology and its basic techniques, gain an understanding of the advanced techniques currently available for the investigation of ocular diseases, understand the application of these concepts in ophthalmology, identify, analyse, understand and further investigate pathologic processes in the eye and adenexae, become familiar with internet based bioinformatics - reference tools to aid clinical practice, research and self learning and be aware of the future therapeutic opportunities in pathologic processes.

Textbooks

Ophthalmic Pathology: An Illustrated Guide for Clinicians, Sehu K.W. & Lee W.R., Blackwell Pub/BMJ Books 2005.

OPSC5013

Ophthalmology in Developing Countries 1

Credit points: 6 **Teacher/Coordinator:** Dr Con Petsoglou **Session:** Semester 1, Semester 2 **Classes:** 1x3hr online seminar/wk (13 weeks) **Corequisites:** OPSC5001 **Assessment:** 7xPBL assignments (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education

This unit of study and the subsequent associated UoS OPSC5014 Ophthalmology in Developing Countries 2 aim to provide candidates with the foundations of the practice of clinical ophthalmology with an emphasis on the specific diseases and pathology of their native country. Weeks 1 and 2 will cover Nutrition and Eye Disease. Weeks 3 and 4 will cover Public Health for ophthalmology. Week 5 will cover Clinical Microbiology and week 6 will cover Statistics and Epidemiology.

Weeks 7 to 9 will cover Cornea and External Diseases. Weeks 10 to 11 will cover Orbit, Eyelids and lacrimal diseases and weeks 12 to 13 will cover Intraocular inflammation and Uveitis. On completion of this and the associated Unit of Study, the successful student will be able to understand the basis of the practice of clinical ophthalmology: basic pharmacology, public health measures, nutrition and its impact on ocular health, general microbiology, principles of genetics and medical statistics and epidemiology. They will also be expected to incorporate knowledge gained from the other online units of study into this unit of study and gain knowledge on the aetiology, pathology associated features, prognosis and management of diseases of the cornea and conjunctiv, eyelids and orbit, lacrimal system and iris and ciliary body. They will be required to identify differences in the presentation, aetiology, course, treatment and prognosis of ocular diseases in adults compared to children, to identify and study areas of ophthalmic significance in developing countries especially the candidates own and to utilise online ophthalmic and medical resources to gain knowledge and assist in the management of ocular and general medical disease. 3 hr weekly seminars via online teleconferences, CD based lectures, Fortnightly problem-based learning topics submitted by students

Textbooks

JJ Kanski, Clinical Ophthalmology: A Systematic Approach 5th Ed, Butterworth-Heinemann

OPSC5014

Ophthalmology in Developing Countries 2

Credit points: 6 **Teacher/Coordinator:** Dr Con Petsoglou **Session:** Semester 1, Semester 2 **Classes:** 1x3hr online seminar/wk (13 weeks) **Prerequisites:** OPSC5013 **Assessment:** 7xPBL assignments (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education

This unit of study and the previous associated UoS OPSC5013 Ophthalmology in Developing Countries 1 aim to provide candidates with the foundations of the practice of clinical ophthalmology with an emphasis on the specific diseases and pathology of their native country. Weeks 1 and 2 will cover traumatic eye injuries. Weeks 3 and 4 will cover the lens and cataract. Weeks 5 and 6 will cover acute and chronic glaucoma. Weeks 7 and 8 will cover retinal diseases. Weeks 9 and 10 will cover diabetes and eye disease. Weeks 11 and 12 will cover neuron-ophthalmology and paediatric diseases and weeks 13 and 14 will cover strabismus, refraction and revision. On completion of this and the associated Unit of Study, the successful student will be able to apply the scientific basis of the practice of clinical ophthalmology to the following areas of specific ocular systems: basic pharmacology, public health measures, nutrition and its impact on ocular health, general microbiology, principles of genetics and medical statistics and epidemiology. They will also be required to incorporate knowledge gained from the other online units of study into this unit of study and gain knowledge on the aetiology, pathology associated features, prognosis and management of diseases of the lens and ciliary body, retina, optic and cranial nerves, the central nervous system, extraocular muscles and head and neck diseases. They will be required to identify differences in the presentation, aetiology, course, treatment and prognosis of ocular diseases in adults compared to children, identify and study areas of ophthalmic significance in developing countries especially the candidates own and utilise online ophthalmic and medical resources to gain knowledge and assist in the management of ocular and general medical disease. 3 hr weekly seminars via online teleconferences, CD based lectures, fortnightly problem-based learning topics submitted by students.

Textbooks

JJ Kanski, Clinical Ophthalmology: A Systematic Approach 5th Ed, Butterworth-Heinemann.

OPSC5015

Clinical Ophthalmology 1

Credit points: 6 **Teacher/Coordinator:** Dr Con Petsoglou **Session:** Semester 1, Semester 2 **Classes:** 2hrs online per day x 5 days (13 weeks). Study concurrent with full time work. **Prerequisites:** OPSC5013 and OPSC5014 **Assessment:** Online attendance, submitted fortnightly case histories 100% **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education

This unit of study and the subsequent associated UoS OPSC5012 Clinical Ophthalmology 2 aim to provide candidates with the practical experience and knowledge necessary to manage ophthalmic conditions. They are mentor based programmes with candidates applying knowledge to eye clinic patients. Candidates are required to attend ophthalmology clinics on a full time basis. These clinics are under the supervision of local or international ophthalmologists. The student will be continuously assessed as to their competence in their management of ophthalmic conditions in both adults and children. The clinical load will be reflected in the spectrum of submitted case histories by the candidate. Candidates will be required to show that they can competently manage ophthalmic conditions. By management, the candidate is required to undertake the following tasks: take an appropriate medical/ophthalmic history; perform an ophthalmic examination, an appropriate general medical examination and an appropriate preoperative assessment. They will also identify the most likely diagnosis, and list an appropriate differential diagnosis. They will be required to outline and/or perform appropriate ophthalmic and medical investigations, outline a management plan for the condition, including (where appropriate): preventative, public health and nutritional measures; genetic, disease education and counseling; general medical therapies; pharmacological, laser, surgical and optical treatments; consultation by other medical or health professionals; organisation of government & NGO assistance and arrange for appropriate ophthalmic and other medical/paramedical follow up. This is required for common eye conditions in the fields of cornea and external diseases, orbital disease, eyelids, lacrimal diseases, intraocular inflammation and uveitis, traumatic eye injuries, lens and cataract, glaucoma, retinal diseases and diabetic retinopathy, neuron-ophthalmology, paediatric diseases, strabismus and refractive errors. Mentor based teaching, fortnightly submitted case reports,

Online attendance and completed case histories This UoS will be offered as a mentor based programme with the candidate, under the supervision of three layers of Mentors. Firstly, a local ophthalmologist in their country of practice. This ophthalmologist will be assessed and deemed appropriate by the course coordinators. Visiting ophthalmologists from Australia and New Zealand will also supervise their training and, finally, a representative from the Local Government health authorities who the candidate will be employed by will also serve as a Mentor to the candidate. Candidates will be required to practice ophthalmology in a variety of settings. These will include hospital based ophthalmology clinics, private based ophthalmology practices, ophthalmology clinics run by visiting Australian and New Zealand Ophthalmologists and outreach clinics to other smaller communities. Candidates will at all times be supervised by one of the Mentors as defined above.

Textbooks

JJ Kanski, Clinical Ophthalmology: A Systematic Approach 5th Ed, Butterworth-Heinemann.

OPSC5016

Clinical Ophthalmology 2

Credit points: 6 **Teacher/Coordinator:** Dr Con Petsoglou **Session:** Semester 1, Semester 2 **Classes:** 2hrs per day x5 days (13 weeks). Study concurrent with full time work **Prerequisites:** OPSC5015 **Assessment:** Online attendance, submitted fortnightly case histories OSCE exam, long case (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education

This unit of study aims to provide candidates with the practical experience and knowledge necessary to manage ophthalmic conditions. This is a mentor based programme with candidates applying knowledge to eye clinic patients. Candidates are required to attend ophthalmology clinics on a full time basis. These clinics are under the supervision of local or international ophthalmologists. The student will be continuously assessed as to their competence in their management of ophthalmic conditions in both adults and children. The clinical load will be reflected in the spectrum of submitted case histories by the candidate. Candidates will be required to show that they can competently manage ophthalmic conditions. By management the candidate is required to take an appropriate medical / ophthalmic history, perform an ophthalmic examination, an appropriate general medical examination an appropriate preoperative assessment. They will also identify the most likely diagnosis and list an appropriate differential diagnosis. They will be required to outline and/or perform appropriate ophthalmic and medical investigations and outline a management plan for the condition including (where appropriate): preventative, public health and nutritional measures, genetic, disease education and counseling, general medical therapies, pharmacological, laser, surgical and optical treatments, consultation by other medical or health professionals, organization of government & NGO assistance and arrange for appropriate ophthalmic and other medical/paramedical follow up. This is required for common eye conditions in the fields of cornea and external diseases, orbital disease, eyelids, lacrimal disease, intraocular inflammation and uveitis, traumatic eye injuries, lens and cataract, glaucoma, retinal diseases and diabetic retinopathy, neuro-ophthalmology, paediatric diseases, strabismus and refractive errors. Mentor based teaching, fortnightly submitted case reports, Online attendance and completed case histories. This UoS will be offered as a mentor based programme with the candidate under the supervision of three layers of Mentors. Firstly, a local ophthalmologist in their country of practice. This ophthalmologist will be assessed and deemed appropriate by the course coordinators. Visiting ophthalmologists from Australia and New Zealand will also supervise their training and a Representative from the Local Government health authorities who the candidate will be employed by will also serve as a Mentor to the candidate. Candidates will be required to practice ophthalmology in a variety of settings. These will include hospital based ophthalmology clinics, private based ophthalmology practices, ophthalmology clinics run by visiting Australian and New Zealand ophthalmologists and outreach clinics to other smaller communities. At the end of the unit of study, a supervised clinical exam will be undertaken in Sydney or their country of practice. The exam will be a clinical exam assessing the candidate's competence in clinical

ophthalmology. It will take the form of both a written and clinical exam. The clinical exam will include an observed clinical exam, utilizing patients with ophthalmic conditions and a long case exam involving detailed management of common eye conditions. Successful candidates will be able to demonstrate the ability to work independently as an ophthalmologist in their native country.

Textbooks

JJ Kanski, Clinical Ophthalmology: A Systematic Approach 5th Ed, Butterworth-Heinemann.

OPSC5017

Surgical Ophthalmology

Credit points: 6 **Teacher/Coordinator:** Professor Francis Billson **Session:** Semester 1, Semester 2 **Classes:** 2hrs per day x5 days (13 weeks). Study concurrent with full time work **Prerequisites:** OPSC5013 and OPSC5014 **Assessment:** Online surgical logbook (40%), Observed cataract operation (60%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education

This unit of study aims to provide candidates with the practical experience and knowledge necessary to manage surgical ophthalmic conditions. This is a mentor based programme with candidates operating in a number of different environments. Emphasis is on preoperative assessment, surgical competence and post operative management. Candidates will be required to operate in a variety of settings. These will include hospital based ophthalmology surgical lists, private based ophthalmology surgical lists, ophthalmology surgical clinic run by visiting Australian and New Zealand ophthalmologists and outreach clinics to other smaller communities. Surgical mentors will provide the appropriate training in specific ophthalmic operations. Candidates will be required to show that they can competently assess and perform ophthalmic surgery and manage post operative complications. By management the candidate is required to take an appropriate medical / ophthalmic history, perform an ophthalmic examination, an appropriate general medical examination and an appropriate preoperative assessment. They will be required to identify the most likely diagnosis and list an appropriate differential diagnosis of the aetiology of the surgical disease, and outline and/or perform appropriate ophthalmic and medical investigations. They will be required to perform Surgery of the following Ophthalmic Conditions: extra capsular cataract surgery, repair of traumatic eye and eyelid injuries, infective eyelid and orbital lesions, benign and malignant lid procedures, pterygium surgery, acute glaucoma procedures, strabismus procedures and simple lacrimal duct procedures. Mentor based teaching, Online surgical logbook, online surgical case histories. This unit of study will be offered as a mentor based programme with the candidate under the supervision of three layers of Mentors. Firstly, a local ophthalmologist in their country of practice. This ophthalmologist will be assessed and deemed appropriate by the course coordinators. Visiting ophthalmologists from Australia and New Zealand will also supervise their training and a Representative of the Local Government health authorities who the candidate will be employed by will serve as a Mentor to the candidate. At the end of the year a supervised surgical exam will be undertaken in Sydney or their country of practice. The exam will be a supervised extracapsular cataract extraction that the candidate must perform competently to complete the unit of study.

Textbooks

JJ Kanski, Clinical Ophthalmology: A Systematic Approach 5th Ed, Butterworth-Heinemann.

OPSC5018

Refractive Surgery 1

Credit points: 6 **Teacher/Coordinator:** Dr John Males **Session:** Semester 1, Semester 2 **Classes:** 2x1.5 seminar/week via online audioconferences, DVD based lectures, fortnightly problem-based learning topics submitted by students, and online refractive surgery forum discussion **Corequisites:** OPSC5001 Ophthalmic Anatomy **Assessment:** 3x2000 wd written assignments (80%), and online discussion (20%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education

This unit of study aims to provide candidates with the theoretical and practical foundations of the practise of refractive surgery (RS). Week 1 will cover anatomy, physiology and pharmacology of corneal wound healing. Week 2 will cover ocular and systemic diseases of importance

to RS. Week 3 will cover the history, terminology, classifications and definitions of RS and week 4 will cover patient evaluation for RS. Week 5 will cover corneal topography, its principles and limitations. Week 6 will cover principles and limitations of RS lasers and non-laser equipment. Week 7 will cover the theory and technique of radial keratotomy and week 8 the methods of management of astigmatism. Week 9 will cover the principles and practice of LASIK and week 10 the principles and practice of PRK and LASEK. Week 11 will cover PTK, conductive keratoplasty and laser thermokeratoplasty. Week 12 will cover the management of complications of refractive surgery and week 13 the economics of refractive surgery

Textbooks

Azar, Dimitri L., Refractive Surgery, 2nd Ed.
Buratto, L., Brint, Stephen, Custom LASIK: Surgical Techniques and Complications, 2003.
Bores, Leo D., Refractive Eye Surgery, 2nd Ed. 2001.

OPSC5019

Refractive Surgery 2

Credit points: 6 **Teacher/Coordinator:** Associate Professor Gerard Sutton
Session: Semester 1, Semester 2 **Classes:** 2x1.5 seminar/week via online audioconferences, DVD based lectures, fortnightly problem-based learning topics submitted by students, and online refractive surgery forum discussion
Prerequisites: OPSC5018 **Corequisites:** OPSC5001 **Assessment:** 3x2000wd written assignments (80%), and online discussion (20%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education

This unit of study aims to provide candidates with the theoretical and practical foundations of the practise of refractive surgery (RS). Week 1 will cover evidence based medicine as applied to RS. Week 2 will cover phakic intraocular lenses. Week 3 will cover refractive aspects of cataract surgery and week 4 will cover Lamellar refractive surgery. Week 5 will cover management of post keratoplasty/traumatic ametropia. Week 6 will cover intrastromal corneal implants. Week 7 will cover combined keratorefractive procedures and week 8 the correction of presbyopia. Week 9 will cover the management of adverse events in RS. Week 10 will cover complex case histories. Week 11 will cover audit systems and peer review and Week 12 will cover laser systems for RS. Week 13 will cover the medicolegal aspects of refractive surgery.

Textbooks

Azar, Dimitri L., Refractive Surgery, 2nd Ed.
Buratto, L., Brint, Stephen, Custom LASIK: Surgical Techniques and Complications, 2003.
Bores, Leo D., Refractive Eye Surgery, 2nd Ed. 2001.

OPSC5020

Practical Refractive Surgery

Credit points: 6 **Teacher/Coordinator:** Associate Professor Gerard Sutton
Session: Semester 1, Semester 2 **Classes:** Block 5 days/wk for 3 weeks
Prerequisites: OPSC5018 and OPSC5019 **Corequisites:** OPSC5001
Assessment: Online surgical logbook (40%), and observed structured clinical exam (60%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

This unit of study aims to provide candidates with the practical experience and knowledge necessary to assess and perform refractive surgery. This is a mentor-based programme with candidates supervised in a number of clinical and laboratory environments. Emphasis is on pre-operative investigation, surgical skill and post-operative management. Candidates will be required to observe and perform intra- and extra-ocular surgical techniques relevant to refractive surgery.

Candidates will rotate through a number of refractive surgical practices and observe refractive surgery taking place utilizing a number of refractive surgical systems. Further candidates will have to attend a number of wet lab sessions designed for the performing of refractive surgical techniques on artificial, animal or human eyes.

A logbook of observed and performed surgeries will be kept and used for assessment.

Surgical mentors will be allocated and provide the appropriate training in specific refractive operations.

Textbooks

Azar, Dimitri L., Refractive Surgery, 2nd Ed.

Buratto, L., Brint, Stephen, Custom LASIK: Surgical Techniques and Complications, 2003.
Bores, Leo D., Refractive Eye Surgery, 2nd Ed. 2001.

OPSC5021

Refractive Surgery 3

Credit points: 6 **Teacher/Coordinator:** Associate Professor Gerard Sutton
Session: Semester 1, Semester 2 **Classes:** 2 hr tutorial each week
Corequisites: OPSC5001 and OPSC5019 **Assessment:** Weekly submitted reports assessed throughout semester **Campus:** Camperdown/Darlington
Mode of delivery: Distance Education

This unit of study aims to provide a problem based approach to refractive surgery. Each week a case is presented to students to review and analyse. Preoperative and or postoperative data is presented and students are prompted as to management issues. Students are expected to submit a report prior to a tutorial discussion. Cases will be sourced from refractive surgeons that highlight important pitfalls to avoid and emphasize critical clinical pearls. Students' submissions form the basis of the tutorial discussion.

Textbooks

Amar Agarwal, Refractive Surgery Nightmares SLACK Inc 2007

OPSC5022

Refractive Surgery 4

Credit points: 6 **Teacher/Coordinator:** Dr Con Petsoglou **Session:** Semester 1, Semester 2 **Classes:** 2 hr tutorial each week **Corequisites:** OPSC5001 and OPSC5019 **Assessment:** Weekly submitted reports assessed throughout semester **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education

This unit of study aims to provide a weekly review of the literature on a topic in refractive surgery. Students are allocated a topic that they must prepare a literature review and analysis for submission, circulation and discussion. Tutors review this submission and review the findings with all enrolled students.

Textbooks

Trisha Greenhalgh How to Read a Paper: The basics of Evidence Based Medicine Wiley Blackwell 3rd Edition 2006

Paediatric medicine units

PAED5000

Neonatal Medicine

Credit points: 6 **Teacher/Coordinator:** Dr John Sinn, Dr Anne Morris **Session:** Semester 1 **Classes:** Online. Students will spend approx 10 hours/week (x 13 weeks) engaging in case-based learning, incl. online discussion of case scenarios, self-directed case reviews and literature appraisal. Regular access to an internet connected computer is vital. **Assessment:** 2x1000word essay (35%), MCQ exam (15%), and participation in online forum (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

This unit of study will cover the latest advances in critical care of the newborn. Modules of study will include perinatal medicine, neonatal resuscitation and newborn transport. The unit will explore the clinical manifestations of important respiratory, cardiac, metabolic and neurological disorders presenting in the newborn. Changing patterns of neuro-developmental outcome in preterm and critically unwell neonates will be examined. The latest neonatal resuscitation guidelines will be critically appraised and current evidence for best practice in critical care of the newborn will be applied to a series of clinical scenarios involving neonatal common and life-threatening conditions. This unit is designed to encompass a range of likely neonatal clinical scenarios and disorders which clinicians may face in rural, remote, primary and tertiary level settings.

PAED5001

Paediatric Immunisation

This unit of study is not available in 2009

Credit points: 6 **Teacher/Coordinator:** Dr Dianne Campbell, Dr Anne Morris **Session:** Semester 2 **Classes:** Online. Students will spend approx 10 hours/week (x 13 weeks) engaging in case-based learning, incl. online discussion of case scenarios, self-directed case reviews and literature appraisal. Regular access to an internet connected computer is vital. **Assessment:** 2x1000wd

essays (60%), on-line participation (40%) **Campus:** Camperdown/Darlington
Mode of delivery: On-line

This unit of study will cover the important and latest aspects of immunisation in childhood. Basic science aspects covered will include the immunology of immunisation, the process of development of new vaccines and latest research developments in new vaccines. The clinical features of the currently vaccine preventable conditions of childhood will be covered through clinical scenarios, integrating the epidemiology, basic science and current immunisation schedule.

Immunisation in special populations and situations will be covered and the social and philosophical implications of immunisation will be explored.

Pain management units

PAIN5001

Introduction to Pain Management

Credit points: 6 **Teacher/Coordinator:** Associate Professor Michael Nicholas **Session:** Semester 1, Semester 2 **Classes:** Approximately 10 hours of study per week (equals 140 hours in total) **Assessment:** participation in online discussion (20%), 4000-5000 word written assignment/s or equivalent (80%) **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

To introduce participants to the problem of pain within a multidisciplinary team framework and the extent of the problem in the community. The unit provides an overview of historical and philosophical models of pain and its management methods over time. Current classifications of pain are examined and the interrelationship between various paradigms of health and illness are outlined. Participants also begin to consider the principles of research design and biostatistics, and explore professional and ethical issues.

PAIN5002

Pain Mechanisms and Contributors

Credit points: 6 **Teacher/Coordinator:** Professor Michael Nicholas and Associate Professor Janet Keast **Session:** Semester 1, Semester 2 **Classes:** approximately 10 hours of study per week (equals 140 hours in total) **Assessment:** participation in online discussion (20%), 4000-5000 word written assignment/s or equivalent (80%) **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

To introduce and develop participants understanding about the basic neuroscience of pain and the interrelationship between psychological, physiological and environmental processes in pain. Neuro-anatomical, physiological, pharmacological, and biochemical mechanisms involved in nociception, including peripheral and central sensitisation are discussed. Theoretical bases are introduced and the ways in which psychological and environmental factors modify or maintain pain perception and behaviour are explored.

PAIN5003

Pain Treatment and Management Principles

Credit points: 6 **Teacher/Coordinator:** Dr Charles Brooker **Session:** Semester 1, Semester 2 **Classes:** approximately 10 hours of study per week (equals 140 hours in total) **Assessment:** participation in online discussion (20%), 4000-5000 word written assignment/s or equivalent (80%) **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

To introduce participants to the core principles of pain assessment, treatment and management. Participants consider the biopsychosocial model and the scientific basis for assessment, diagnosis and treatment. They explore principles of pharmacokinetics and pharmacodynamics, together with routes of drug administration. The role of physiotherapy and rehabilitation management, and the use of procedures such as neural blockade, simulation techniques and surgery are also considered.

PAIN5004

Pain Conditions

Credit points: 6 **Teacher/Coordinator:** Associate Professor Philip Siddall **Session:** Semester 1, Semester 2 **Classes:** On line - approximately 10 hours of study per week (equals 140 hours in total) **Assessment:** participation in

online discussion (20%), 4000-5000 word written assignment/s or equivalent (80%) **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

The unit provides an introduction to a range of pain conditions. Participants are encouraged to integrate and apply previous learning to specific pain problems, acute, chronic and cancer pain. Recent advances in pain relief techniques are introduced and specific issues in the management of pain in children and older people are considered.

PAIN5005

Orofacial Pain

Credit points: 6 **Teacher/Coordinator:** Dr Russell Vickers **Session:** Semester 2 **Classes:** approximately 10 hours of study per week (equals 140 hours in total) **Assessment:** participation in online discussion **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

Orofacial pain is frequently reported in the general population and is severe. It encompasses several conditions that involve medical, dental and psychological variables such as neuralgia, neuropathic pain, and temporomandibular disorder and related headache syndromes. The purpose of this unit is to explore the principles of orofacial pain mechanisms, symptomatology and treatments. Topics include orofacial pain assessment, diagnostic tests including local anaesthetic blocks, specific pharmacology for orofacial pain, and multidisciplinary treatment approaches.

PAIN5006

Independent Studies in Pain

Credit points: 6 **Teacher/Coordinator:** Ms Grace Tague **Session:** Semester 1, Semester 2 **Classes:** approximately 10 hours of study per week (equals 140 hours in total) **Assessment:** learning contract (10%), 5000 word written assignments (or equivalent) (90%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

In this unit participants undertake to write up a long case study or arrange a clinical placement in an area of interest. The case study option aims to improve skills in the analysis of complex pain cases and clinical reporting. The clinical attachment allows participants to tailor the unit to meet specific clinical learning objectives. Participants identify specific learning needs, the resources required, and the outcomes that demonstrate achievement of their learning objectives.

PAIN5007

Dissertation A

Credit points: 6 **Session:** S2 Late Int, Semester 1, Semester 2 **Classes:** supervised research, minimum 6hr/week **Prerequisites:** A candidate must have obtained a minimum weighted average mark of 70% in at least 24 credit points of coursework and obtained approval from the course-coordinator to enrol in this unit of study. Enrolment must be done through the Faculty or School office. **Assessment:** students write a dissertation up to 20,000 words **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

The honours dissertation provides participants with an opportunity to undertake an advanced investigation into a topic or issue relevant to their professional interests. Participants develop a proposal for independent research on a topic or a substantial paper that demonstrates the application of scholarly literature to a practical problem or issue.

PAIN5008

Dissertation B

Credit points: 6 **Session:** S2 Late Int, Semester 1, Semester 2 **Classes:** supervised research, minimum 6hr/week **Prerequisites:** A candidate must have obtained a minimum weighted average mark of 70% in at least 24 credit points of coursework and obtained approval from the course-coordinator to enrol in this unit of study. Enrolment must be done through the Faculty or School office. **Assessment:** students write a dissertation up to 20,000 words **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

The honours dissertation provides participants with an opportunity to undertake an advanced investigation into a topic or issue relevant to their professional interests. Participants develop a proposal for independent research on a topic or a substantial paper that demonstrates the application of scholarly literature to a practical problem or issue.

PAIN5009**Dissertation C**

Credit points: 12 **Session:** S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Classes:** supervised research, minimum 6hr/week **Prerequisites:** A candidate must have obtained a minimum weighted average mark of 70% in at least 24 credit points of coursework and obtained approval from the course-coordinator to enrol in this unit of study. Enrolment must be done through the Faculty or School office. **Assessment:** students write a dissertation up to 20,000 words **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day
Note: Department permission required for enrolment.

The honours dissertation provides participants with an opportunity to undertake an advanced investigation into a topic or issue relevant to their professional interests. Participants develop a proposal for independent research on a topic or a substantial paper that demonstrates the application of scholarly literature to a practical problem or issue.

PAIN5010**Clinical Aspects of Neurobiology**

Credit points: 6 **Teacher/Coordinator:** Associate Professor Philip Siddall **Session:** Semester 1 **Classes:** approximately 10 hours of study per week (equals 140 hours in total) **Assessment:** participation in online discussion (20%), 3000-4000 word written assignments or equivalent (80%) **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

This unit aims to build on information acquired from previous units and explore in more detail the assessment, mechanisms and management of several pain conditions. In addition, it aims to explore the concepts, neurobiology and clinical application of two approaches to pain management (lesioning and stimulation analgesia) as well as the placebo effects.

PAIN5011**Psychology of Pain**

Credit points: 6 **Teacher/Coordinator:** Mr Brad Wood **Session:** Semester 1 **Classes:** approximately 10 hours of study per week (equals 140 hours in total) **Assessment:** participation in online discussion (20%), 3000-4000 word written assignments or equivalent (80%) **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

This unit aims to provide a comprehensive study of current psychological perspectives and research on the experience and impact of pain. Theoretical models are introduced and the ways in which psychological processes might modify and/or maintain pain experience are explored. The processes explored include the roles of attention, learning, affect/mood, beliefs, self-talk, coping strategies, and interactions with environmental factors such as significant others, social contingencies and contexts (including culture, gender, workplace, etc.). Attention is given to incorporating psychosocial assessment within a biopsychosocial framework.

PAIN5012**Concepts of Pain**

Credit points: 6 **Teacher/Coordinator:** Dr Stephen Loftus **Session:** Semester 1 **Classes:** approximately 10 hours of study per week (equals 140 hours in total) **Assessment:** participation in online discussion (20%), 3000-4000 word written assignments or equivalent (80%) **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

This unit provides an overview of different aspects of pain. These aspects include philosophical, narrative, placebo, evolutionary and biopsychosocial approaches to understanding pain. The aim is to deepen students' appreciation of the context in which pain management takes place.

PAIN5013**Musculoskeletal Pain**

Credit points: 6 **Teacher/Coordinator:** Mr Damien Finnis **Session:** Semester 1 **Classes:** approximately 10 hours of study per week (equals 140 hours in total) **Assessment:** participation in online discussion (20%), 3000-4000 word written assignments or equivalent (80%) **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

This unit explores aspects of the assessment and management of musculoskeletal pain. Topics include anatomical/physiological

mechanisms, medical and non-medical assessment and management, together with regional pain syndromes.

PAIN5014**Cancer Pain**

Credit points: 6 **Teacher/Coordinator:** Dr Katherine Clark **Session:** Semester 2 **Classes:** approximately 10 hours of study per week (equals 140 hours in total) **Assessment:** participation in online discussion (20%), 3000-4000 word written assignments or equivalent (80%) **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

This unit addresses the biopsychosocial assessment and management of pain associated with cancer. Recent advances in pain relief techniques including delivery systems for patient control of pain are reviewed, together with appropriate assessment and treatment approaches for psychological factors such as depression, grief and stress.

PAIN5015**Pharmacology of Pain Medicine**

Credit points: 6 **Teacher/Coordinator:** Dr Beata Bajorek and Dr Christopher Vaughan **Session:** Semester 1 **Classes:** approximately 10 hours of study per week (equals 140 hours in total) **Assessment:** participation in online discussion (20%), 3000-4000 word written assignments or equivalent (80%) **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

This unit introduces students to the preclinical pharmacology of analgesic drugs. The ethics in laboratory research, drug testing models, and some of the confounding factors in such research are also covered.

PAIN5016**Psychological Approaches in Pain Mgmt**

Credit points: 6 **Teacher/Coordinator:** Dr Sarah Overton **Session:** Semester 2 **Classes:** approximately 10 hours of study per week (equals 140 hours in total) **Assessment:** participation in online discussion (20%), 3000-4000 word written assignments or equivalent (80%) **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

This unit is primarily focused on the influence of psychological variables in the implementation of all treatments, both somatic and psychological. The bio-psycho-social model of chronic pain is revisited and the implications for interdisciplinary interventions are discussed. The evidence for interventions based on psychological principles is critically examined and implementation of these interventions in a range of clinical settings is explored.

PAIN5017**Disability and Pain Rehabilitation**

Credit points: 6 **Teacher/Coordinator:** Associate Professor Ian Cameron **Session:** Semester 2 **Classes:** approximately 10 hours of study per week (equals 140 hours in total) **Assessment:** participation in online discussion (20%), 3000-4000 word written assignments or equivalent (80%) **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

The interface between pain assessment and treatment and the system of compensation for workplace-related injury and disability is the focus of this subject. Accordingly the role of pain management in rehabilitation following occupational injury or illness is addressed, together with the medical, legal, insurer, employer, trade union and rehabilitation provider perspectives and roles in providing protection, advocacy, compensation and treatment. Legislative and attitudinal changes in the social environment relating to occupational injury and treatment are considered together with challenges for pain management arising from dysfunction in the system of rehabilitation following injury.

PAIN5018**Pain in Children**

Credit points: 6 **Teacher/Coordinator:** Dr Jonathan de Lima **Session:** Semester 2 **Classes:** approximately 10 hours of study per week (equals 140 hours in total) **Assessment:** participation in online discussion (20%), 3000-4000 word written assignments or equivalent (80%) **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

This unit provides an opportunity for students to understand the developmental physiology and psychology of infants and children,

together with the pharmacology (particularly with reference to dose and route of administration) of pain management in children. Particular attention is given to management of acute pain in children, both post-operative and procedure-related pain, to methods of pain assessment in children of various ages, to non-pharmacological pain management strategies and to chronic pain presentations in children.

PAIN5019

Pain in Older People

Credit points: 6 **Teacher/Coordinator:** Mr Brad Wood **Session:** Semester 2 **Classes:** approximately 10 hours of study per week (equals 140 hours in total) **Assessment:** participation in online discussion (20%), 3000-4000 word written assignments or equivalent (80%) **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

Readings and case studies will highlight the unique difficulties of elderly people who suffer from degenerative, painful conditions, often exacerbated by multiple losses, role changes, limited mobility and mood disorder. The emphasis will be on assessment and management of pain when complicated by these conditions.

PAIN5020

Complementary Therapies: Pain Management

Credit points: 6 **Teacher/Coordinator:** Dr Russell Vickers **Session:** Semester 1 **Classes:** approximately 10 hours of study per week (equals 140 hours in total) **Assessment:** participation in online discussion (20%), 3000-4000 word written assignments or equivalent (80%) **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

This unit explores complementary therapies that may accompany conventional medical approaches in the management of pain. The evidence base is discussed, as well as the implications, costs and side effects of these therapies. The historical basis of each therapy is considered, together with current knowledge about their application and potential interactions with conventional medicines and treatments. Topics include: acupuncture, herbalism, homeopathy, hypnosis and relaxation techniques, yoga and meditation, osteopathy and chiropractic.

PMED units

PMED5050

Research Methods

Credit points: 6 **Teacher/Coordinator:** Dr Tim Driscoll **Session:** Semester 1 **Classes:** Online. Students will spend approx 10 hours/week (x 13 weeks) engaging in online discussions, self-directed learning activities and literature appraisal. Regular access to an internet connected computer is vital. **Assessment:** 1x1500word critical appraisal assignments (30%), 1x2500word assignment (50%) and participation in online discussion forum (20%) **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

This unit covers the fundamentals of epidemiology, biostatistics and research design. Our aim is to provide you with the knowledge of and skills in research methods required to critically appraise and assess research evidence relevant to your work.

PMED5051

Leadership in Medicine

Credit points: 6 **Teacher/Coordinator:** Mr Hudson Birden **Session:** Semester 2 **Classes:** Online. Students will spend approx 10 hours/week (x 13 weeks) engaging in online discussions, self-directed learning activities and literature appraisal. Regular access to an internet connected computer is vital. **Assessment:** 4x500word assignments (20%), 2x1000word essays (50%) and participation in online discussion forum (30%) **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

This unit is an introduction to current concepts of leadership valuable to medical practice. Our focus will be on the personal skills and knowledge necessary for effective leaders in clinical practice and in the larger policy-setting realm. This unit is designed to introduce you to current concepts of leadership that will be valuable in the context of medical practice and to develop within you the personal skills and understanding necessary to be an effective leader in clinical practice and in the larger policy-setting realm.

PMED5100

Paediatric Infectious Diseases

Credit points: 6 **Teacher/Coordinator:** Associate Professor Cheryl Jones, Dr Dianne Campbell, Dr Anne Morris **Session:** Semester 1 **Classes:** Online. Students will spend approx 10 hours/week (x 13 weeks) engaging in case-based learning, incl. online discussion of case scenarios, self-directed case reviews and literature appraisal. Regular access to an internet connected computer is vital. **Assessment:** 2x2000-3000 word project (or its equivalent) (40%), MCQ exam (10%), and participation in online discussion forum (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

This unit investigates in-depth the epidemiology, diagnosis and management of paediatric infectious diseases. Modules of study within this unit will include: worldwide patterns of infectious disease, including assessment of scope of problem and burden of disease; common paediatric infectious diseases; current evidenced based practice for diagnosis and treatment of common childhood infectious diseases; infectious diseases in special populations such as immunocompromised, malnourished and indigenous populations; issues of policy and public health; emerging infectious diseases in paediatric settings.

PMED5101

Paediatric Asthma and Allergy

Credit points: 6 **Teacher/Coordinator:** Dr Anne Morris, Dr Dianne Campbell **Session:** Semester 2 **Classes:** Online. Students will spend approx 10 hours/week (x 13 weeks) engaging in case-based learning, incl. online discussion of case scenarios, self-directed case reviews and literature appraisal. Regular access to an internet connected computer is vital. **Assessment:** 2x1000word essay (40%), MCQ exam (10%), and participation in online forum (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

This unit examines the worldwide status and trends in child and adolescent asthma and allergic disease. It explores the determinants, clinical assessment, medical complications, management and prevention of these important public health problems. Our aim is to inspect the current clinical practice and principles that underlie the diagnosis and management of paediatric asthma and allergic disorders. There is a close integration of epidemiology; basic science and best available evidence in management that are revealed through clinically based scenarios. Important cutting edge and controversial concepts and treatments are explored.

PMED5102

Paediatric Nutrition and Obesity

Credit points: 6 **Teacher/Coordinator:** Professor Louise Baur, Dr Anne Morris **Session:** Semester 2 **Classes:** Online. Students will spend approx 10 hours/week (x 13 weeks) engaging in case-based learning, incl. online discussion of case scenarios, self-directed case reviews and literature appraisal. Regular access to an internet connected computer is vital. **Assessment:** 2x1000word essay (40%), MCQ exam (10%), and participation in online forum (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

This unit examines the worldwide status and trends in child and adolescent obesity, incorporating a focus on paediatric nutrition. It explores the determinants, clinical assessment, medical complications, management and prevention of this important public health problem. There is a close integration of epidemiology, basic science and best available evidence in management and prevention into clinically based scenarios. Our aim is to provide you with a broad knowledge base and ability to apply scientific theory and clinical evidence to the diagnosis and management of obesity in childhood. This will include grounding in the complex social, cultural and environmental factors contributing to the continuance of childhood obesity throughout the world.

PMED5103

Paediatric Gastroenterology

Credit points: 6 **Teacher/Coordinator:** Dr Shoma Dutt **Session:** Semester 1 **Classes:** Online. Students will spend approx 10 hours/week (x 13 weeks) engaging in case-based learning, incl. online discussion of case scenarios, self-directed case reviews and literature appraisal. Regular access to an internet connected computer is vital. **Assessment:** 2x2000word project (or its equivalent) (40%), MCQ exam (10%), and participation in online discussion forum (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

This unit closely examines current principle and practice of paediatric gastroenterology. Modules of study within this unit will include: worldwide patterns of paediatric gastroenterological disorders; disorders of oesophagus and stomach, focusing on evidence based evaluation and treatment of Gastroesophageal reflux, helicobacter disease; evidence based evaluation and treatment of acute and chronic liver disease, and pancreatic disorders; evidence based evaluation and treatment of enteropathies; recent advances in the diagnosis and treatment of inflammatory bowel diseases; emerging paediatric gastroenterological disorders.

Psychotherapy units

PSTY5101

Psychotherapy 1A

Credit points: 12 **Session:** Semester 1 **Classes:** Grand rounds; seminars (1.5 hours every week for whole semester); practical work; clinical supervision (45 minutes) every week for whole semester). **Assessment:** Assessment undertaken on completion of PSTY5102 (i.e. at end of first year): clinical viva plus essay assignment. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Grand rounds: One hour duration and attended by all candidates and supervisors. An area of interest or controversy in the current psychotherapeutic field will be presented by a supervisor, candidate or invited guest, followed by discussion. Seminars: One member of the Faculty will lead the seminar group for a whole semester. Practical work: Candidates will be expected to undertake psychotherapy with assigned patients during the three years of the course. They will be expected to begin with their first assigned patient early in their first year. Clinical supervision: The clinical supervision will be conducted weekly for the whole of the academic year. All candidates will be expected to present sessions for weekly supervision. In addition, candidates may be required to present, from time to time, sessions in the form of process notes or by means of audio tape. During the first year supervision will be conducted either individually or in small groups of two candidates for one and a half hours per week. Reading: Candidates will be given some reading material and a reading list at the beginning of the year and may be asked to prepare a seminar periodically.

PSTY5102

Psychotherapy 1B

Credit points: 12 **Session:** Semester 2 **Classes:** Grand rounds; seminars (1.5 hours every week for whole semester); practical work; clinical supervision (45 minutes every week for whole semester). **Assessment:** Assessment for both PSTY5101 and PSTY5102: clinical viva plus essay assignment. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Grand rounds: One hour duration and attended by all candidates and supervisors. An area of interest or controversy in the current psychotherapeutic field will be presented by a supervisor, candidate or invited guest, followed by discussion. Seminars: One member of the Faculty will lead the seminar group for a whole semester. Practical work: Candidates will be expected to undertake psychotherapy with assigned patients during the three years of the course. They will be expected to begin with their first assigned patient early in their first year. Clinical supervision: The clinical supervision will be conducted weekly for the whole of the academic year. All candidates will be expected to present sessions for weekly supervision. In addition, candidates may be required to present, from time to time, sessions in the form of process notes or by means of audiotape. During the first year supervision will be conducted either individually or in small groups of two candidates for one and a half hours per week. Reading: Candidates will be given some reading material and a reading list at the beginning of the year and may be asked to prepare a seminar periodically.

PSTY5103

Psychotherapy 2A

Credit points: 12 **Session:** Semester 1 **Classes:** Grand rounds; seminars (1.5 hours every week for whole semester); practical work; clinical supervision. **Assessment:** Assessment undertaken on completion of PSTY5104 (i.e. at end of second year): clinical viva plus essay assignment. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Grand rounds: One hour duration and attended by all candidates and supervisors. An area of interest or controversy in the current psychotherapeutic field will be presented by a supervisor, candidate or invited guest, followed by discussion. Seminars: One member of the Faculty will lead the seminar group for a whole semester. Practical work: Candidates will be expected to undertake psychotherapy with assigned patients during the three years of the course. They will be expected to begin with their first assigned patient early in their first year and to begin with their second patient early in their second year. By the middle of the second year all candidates will be seeing two patients, each for at least 2 sessions a week. Clinical supervision: The clinical supervision will be conducted weekly for the whole of the academic year. All candidates will be expected to present sessions for weekly supervision. In addition, candidates may be required to present, from time to time, sessions in the form of process notes or by means of audiotape. During the first year supervision will be conducted either individually or in small groups of two candidates for one and a half hours per week. Additionally, during the second and third years, there will be individual supervision every week with a second supervisor. Reading: Candidates will be given some reading material and a reading list at the beginning of the year and may be asked to prepare a seminar periodically.

PSTY5104

Psychotherapy 2B

Credit points: 12 **Session:** Semester 2 **Classes:** Grand rounds; seminars (1.5 hours every week for whole semester); practical work; clinical supervision. **Assessment:** Assessment for both PSTY5103 and PSTY5104: clinical viva plus essay assignment. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Grand rounds: One hour duration and attended by all candidates and supervisors. An area of interest or controversy in the current psychotherapeutic field will be presented by a supervisor, candidate or invited guest, followed by discussion. Seminars: One member of the Faculty will lead the seminar group for a whole semester. Practical work: Candidates will be expected to undertake psychotherapy with assigned patients during the three years of the course. They will be expected to begin with their first assigned patient early in their first year and to begin with their second patient early in their second year. By the middle of the second year all candidates will be seeing two patients, each for at least 2 sessions a week. Clinical supervision: The clinical supervision will be conducted weekly for the whole of the academic year. All candidates will be expected to present sessions for weekly supervision. In addition, candidates may be required to present, from time to time, sessions in the form of process notes or by means of audiotape. During the first year supervision will be conducted either individually or in small groups of two candidates for one and a half hours per week. Additionally, during the second and third years, there will be individual supervision every week with a second supervisor. Reading: Candidates will be given some reading material and a reading list at the beginning of the year and may be asked to prepare a seminar periodically.

PSTY5105

Psychotherapy 3A

Credit points: 12 **Session:** Semester 1 **Classes:** Grand rounds; seminars (1.5 hours every week for whole semester); practical work; clinical supervision. **Assessment:** Assessment undertaken on completion of PSTY5107 (i.e. at end of third year): clinical case presentation to the members of the Faculty. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Grand rounds: One hour duration and attended by all candidates and supervisors. An area of interest or controversy in the current psychotherapeutic field will be presented by a supervisor, candidate or invited guest, followed by discussion. Seminars: One member of

the Faculty will lead the seminar group for a whole semester. Practical work: Candidates will be expected to undertake psychotherapy with assigned patients during the three years of the course. They will be expected to begin with their first assigned patient early in their first year and to begin with their second patient early in their second year. By the middle of the second year all candidates will be seeing two patients, each for at least 2 sessions a week. Clinical supervision: The clinical supervision will be conducted weekly for the whole of the academic year. All candidates will be expected to present sessions for weekly supervision. In addition, candidates may be required to present, from time to time, sessions in the form of process notes or by means of audio- tape. During the first year supervision will be conducted either individually or in small groups of two candidates for one and a half hours per week. Additionally, during the second and third years, there will be individual supervision every week with a second supervisor. Reading: Candidates will be given some reading material and a reading list at the beginning of the year and may be asked to prepare a seminar periodically.

PSTY5107

Psychotherapy Coursework

Credit points: 6 **Teacher/Coordinator:** Dr Anthony Korner, Dr Friederike Gerull **Session:** Semester 2 **Classes:** Classes are held on Thursday mornings and include lectures, case presentations, seminars on theory, tutorials on research method and supervision for clinical work. **Prerequisites:** PSTY5105 **Corequisites:** PSTY5108 **Prohibitions:** PSTY5106 **Assessment:** Assessment is by review of clinical work by supervisors and assessment of knowledge and participation by the teaching faculty. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Theoretical grounding in the Conversational Model and related approaches to psychodynamic psychotherapy.

Coursework involves attendance at grand rounds, seminars, individual and group supervision at the Mental Health Sciences Centre, Cumberland Hospital. Candidates need to attend and participate in these activities and also need to conduct clinically supervised psychotherapy at a standard appropriate to the advanced stage of training in the discipline.

Textbooks

The Metaphor of Play,
Intimacy and Alienation.
Forms of Feeling.

PSTY5108

Psychotherapy Treatise

Credit points: 6 **Teacher/Coordinator:** Dr Anthony Korner, Dr Friederike Gerull **Session:** Semester 2 **Classes:** Self-directed research with weekly meetings with the supervisor **Prerequisites:** PSTY5105 **Corequisites:** PSTY5107 **Assessment:** Treatise of 7-10,000 words. There is an oral examination that involves presentation of the treatise to the teaching faculty who then question the candidate with respect to the theoretical and evidential base for the treatise. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Research and treatise of up to 10,000 words.

Textbooks

The Metaphor of Play,
Intimacy and Alienation.
Forms of Feeling.

Public health units

PUBH5010

Epidemiology Methods and Uses

Credit points: 6 **Teacher/Coordinator:** Associate Professor Alex Barratt, Dr Tim Driscoll **Session:** Semester 1 **Classes:** 1x1hr lecture and 1x2hr tutorial per week for 13 weeks - lectures and tutorials may be completed online **Prohibitions:** BSTA5011 **Assessment:** 1x4page assignment (30%) and 1x2.5hr open-book exam (70%) **Campus:** Camperdown/Darlington **Mode of delivery:** On-line or Normal (lecture/lab/tutorial) Day

This unit provides students with core skills in epidemiology, particularly the ability to critically appraise public health and clinical epidemiological research literature. This unit covers: study types; measures of

frequency and association; measurement bias; confounding/effect modification; systematic reviews, screening and test evaluation; infectious disease outbreaks; measuring public health impact and use and interpretation of population health data. It is expected that students spend an additional 2-3 hours preparing for their tutorials.

Textbooks

Webb, PW, Bain, CJ, and Pirozzo, SL. Essential Epidemiology: An Introduction for Students and Health Professionals: Cambridge University Press 2005.

PUBH5014

Social Research Methods

Credit points: 2 **Teacher/Coordinator:** Associate Professor Susan Quine **Session:** S1 Intensive **Classes:** 1x2day workshop **Prohibitions:** PUBH5016 **Assessment:** Construction of a questionnaire and supporting documents (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Note: Department permission required for enrolment. Note: This unit is only for those who commenced the Master or Graduate Diploma in Public Health prior to 2005 and have not completed PUBH5016. Students must request permission from the unit of study coordinator to enrol in this unit of study. The coordinator emails the Postgraduate Student Administration Unit advice that the student has permission to enrol.

This unit introduces students to quantitative and qualitative methods used in the social sciences, and provides 'hands on' experience for selected methods of data collection and analysis. The unit covers an introduction to the methods of the social sciences; observation - theory and practice; interviews - theory and practice; focus groups - theory; content and discourse analysis - theory and practice; questionnaire design I - question wording, major defects, modes of administration; questionnaire design II - format and layout; pilot testing, introductory letter/preamble. This workshop includes a theoretical and practical component. The workshops are interactive with students encouraged to ask questions and to complete relevant activities.

Textbooks

A manual containing readings and presentation handouts is provided.

PUBH5015

Public Health Principles and Practice

Credit points: 6 **Teacher/Coordinator:** Dr Jim Gillespie, Dr Kirsten Howard **Session:** Semester 1 **Classes:** On-line lectures, face to face large group interactive sessions (fortnightly), on-line quizzes **Assessment:** 2xtake home exam (80%), topic and content quizzes (20%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day or On-line

This unit aims to provide students with an understanding of principles and practices of public health, in the local and global context. It also aims to introduce students to different ways of thinking about both economic and applied policy and about specific problems in environmental health and communicable diseases. Candidates will gain an understanding of the patterns of health in the community and the biological and environmental determinants of health. Within the context of the burden of disease in Australia, case studies in communicable diseases and environmental health, both core functions of a public health system, will be used as a means of modelling ways of thinking about the structures, processes and outcomes of health systems. Students will have the opportunity to apply these core conceptual approaches to a range of current problems based on public health practice.

Textbooks

Compulsory text book: Lin V, Smith J, Fawkes S 2007: Public Health Practice in Australia: the organized effort. Sydney: Allen and Unwin. Readings are available on the Unit's WebCT site.

PUBH5016

Society, Behaviour and Public Health

Credit points: 6 **Teacher/Coordinator:** Professor Simon Chapman, Associate Professor Susan Quine **Session:** Semester 1 **Classes:** 3x1day intensive workshops, plus 2hr per week lectures and discussions (online or face to face) for 13 weeks **Assessment:** Modules 1 and 3: 1x1000word assignments (70%) and participation in workshops and online discussion (30%); Module 2: Questionnaire design (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day or On-line

The unit consists of three modules: Sociology, Social Research Methods and Health Promotion. The aims of the unit include: providing students with an understanding of the role of the behavioural and

socio-cultural determinants of health and the principles of qualitative scientific research and design; involving students in the analysis of public health research and evaluation projects; giving students an overview of, and skills in, health promotion and advocacy; giving candidates an opportunity to apply these concepts to authentic problems based on public health practice. This unit includes: an introduction to the role of the social sciences in public health; the study of behavioural and socio-cultural determinants of health; social science research methods; the use of qualitative information to describe and elucidate public health patterns and trends; a review and critical appraisal of public health research and research literature; health advocacy and health promotion. By the end of this unit the candidate will have acquired the theoretical background and practical skills to take up a position in a Commonwealth or State Health Department or Public Health Unit.

Textbooks

Module 2: Course notes provided. Modules 1 and 3: Readings are provided on the unit's WebCT site.

PUBH5017

Public Health Program Evaluation

Credit points: 6 **Teacher/Coordinator:** Professor Adrian Bauman **Session:** Semester 2 **Classes:** 8-10 hours of self directed learning and online discussions per week for 13 weeks **Prerequisites:** PUBH5010 and PUBH5018 and PUBH5015 and PUBH5016 **Assessment:** 1x5 page assignment (35%), 1x2500-3000word assignment (35%) and online discussion and participation (30%) **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

This online unit aims to: develop skills in public health planning, evaluation and research. There is an emphasis on programs that address nutrition, physical activity and obesity related problems, but many other content areas will be used as examples. The course goal is to understand program evaluation from a public health practice and research methodological perspective. The course will complement other courses in epidemiology or qualitative research methods, in bringing these together around assessing population-level program effects. The unit comprises five modules of work, including: principles of public health program (PHP) evaluation; research designs and methodological issues for PHP evaluation; measurement issues in assessing and monitoring public health programs; analysis and interpretation of PHP evaluation data, and 'putting it altogether'- the use of evaluation data to critically appraise and improve interventions. This unit will be jointly offered by the University of Sydney and the University of Queensland via WebCT. Access to the instructors and other students will be substantial through structured bulletin board discussions, collaborative activities and feedback on assessments. Students must have reasonable weekly access to a computer with an internet connection in order to undertake the unit.

Textbooks

Recommended: Nutbeam D, Bauman A. Evaluation in a nutshell. McGraw Hill Sydney (2006). Practical Evaluation of Public Health Programs PHTN Course VC-0017. Centers for Disease Control and Prevention. Atlanta and the Association of Schools of Public Health. 2002 Univ of Texas, Houston.

PUBH5018

Introductory Biostatistics

Credit points: 6 **Teacher/Coordinator:** Associate Professor Petra Macaskill, Dr Timothy Dobbins **Session:** Semester 1 **Classes:** 2x2hr lecture, 10x1hr lectures, 11x2hr tutorials, 2x1hr and 8x0.5hr statistical computing self directed learning tasks over 12 weeks **Assessment:** 1x4page assignment (30%) and 1x2.5hr open-book exam (70%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day or On-line

This unit aims to provide students with an introduction to statistical concepts, their use and relevance in public health. This unit covers descriptive analyses to summarise and display data; concepts underlying statistical inference; basic statistical methods for the analysis of continuous and binary data; and statistical aspects of study design. Specific topics include: sampling; probability distributions; sampling distribution of the mean; confidence interval and significance tests for one-sample, two paired samples and two independent samples for continuous data and also binary data; correlation and simple linear regression; distribution-free methods for two paired samples, two independent samples and correlation; power and sample

size estimation for simple studies; statistical aspects of study design and analysis. Students will be required to perform analyses using a calculator and will also be required to conduct analyses using statistical software (SPSS). It is expected that students spend an additional 2 hours per week preparing for their tutorials. This unit may be undertaken in face to face or online/distance mode. Computing tasks are self-directed.

Textbooks

Course notes are provided.

PUBH5019

Cancer Prevention and Control

Credit points: 6 **Teacher/Coordinator:** Dr Monica Robotin **Session:** Semester 2 **Classes:** 3hr per week online lectures, discussion and other activities for 13 weeks **Prerequisites:** PUBH5010 **Assessment:** 2 assignments (55%), online tutorials (35%) and short answers, paper (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

This unit aims to provide students with specific information on the concepts, methods and applications underpinning cancer prevention and control at population level. It is designed to address specific educational needs of students in various programs within the School of Public Health and to offer a broad-based perspective on cancer control, ranging from primary prevention, screening and early intervention, tertiary prevention and palliative care. Emphasis will be given to cancers with the greatest impact at population level and where evidence demonstrates that policies and interventions are capable of reducing cancer incidence, mortality, prolonging survival and improving quality of life. Although focusing on specific Australian conditions, the information will be presented in the context of regional cancer control efforts. At the completion of the unit, students will be equipped with the basic tools to design, plan, implement and evaluate cancer control programs in Australia or their own countries.

Textbooks

Readings will be available on the WebCT site for this unit.

PUBH5020

Chronic Disease Prevention and Control

Credit points: 6 **Teacher/Coordinator:** Dr Monica Robotin **Session:** Semester 2 **Classes:** 24 hrs online lectures; 12 hrs online discussion **Prerequisites:** PUBH5010 **Assessment:** assignments (60%), online short questions (10%), on-line tutorials (30%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education/Intensive on Campus or On-line

This course offers a broad-based integrated perspective on chronic disease prevention. The course reviews the epidemiology of selected chronic diseases with the highest impact at population level in Australia (cardiovascular diseases, including ischaemic heart disease, stroke and hypertension; chronic lung disease; diabetes and end stage renal disease.)

Teaching will focus on the interrelationships between the biological and epidemiological aspects of chronic diseases, estimating the burden of disease in developed and developing countries and exploring their application to disease prevention. The course will examine modalities to assess and compare the magnitude of risks, evaluate the effectiveness of risk reduction interventions and examine the process of developing policies and effective interventions.

Textbooks

None; resources available online.

PUBH5021

Global Obesity and Disease Prevention

Credit points: 6 **Teacher/Coordinator:** Professor Adrian Bauman, Ms Lesley King **Session:** Semester 2 **Classes:** 1x2day intensive workshop, plus weekly online lectures and facilitated web-based classroom discussion and online student postings every week, for 10weeks **Assessment:** 1x1000wd short assignment (25%), 1x2500wd assignment (50%), participation in online discussion (15%), participation in workshop (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education/Intensive on Campus

This unit of study provides an overview of public health issues related to obesity and chronic disease prevention in developed and developing countries. It examines the epidemiology of obesity in children and adults, including measurement and population-level trends. Causes

of the global obesity epidemic, including behavioural, social and environmental causes, as well as current knowledge regarding effective preventive interventions and solutions are explored. The course will develop students' skills in analysing international and national prevention programs and policies related to the development of obesity. Energy imbalance, increased physical inactivity and increased food consumption, is discussed. Students will develop and apply knowledge to designing public health surveillance systems to monitor obesity, and to develop interventions in diverse social, cultural and community contexts. The course will reflect the roles of government and NGOs in obesity prevention. The context of obesity in non-communicable disease prevention will utilise international health perspectives, including the WHO 2004 Global Strategy on Diet, Physical Activity and Health. The links with non-communicable disease (diabetes, metabolic and cardiovascular health) are emphasised. A cross-disciplinary approach will be taken, with input from urban and transport planning, food industry and regulation, public health law, economics, and the media.

Textbooks

Course notes will be provided.

PUBH5022

Physical Activity and Public Health

Credit points: 6 **Teacher/Coordinator:** Professor Adrian Bauman, Dr Heather Bowles, Dr Hidde van der Ploeg **Session:** Semester 2 **Classes:** 1x2day intensive workshop, weekly online lectures and online discussion for 8 weeks **Assumed knowledge:** Prior research methods coursework at a master's level, similar to PUBH5010 Epidemiology Methods and Uses at the University of Sydney. **Assessment:** 1x2500word assignment (50%), 1x1000word assignment (20%), participation in online discussion (20%), participation in workshop (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education/Intensive on Campus

This is an innovative unit [without precedent in Australia]. It addresses the important health risk factor of physical inactivity, and considers: [i] the epidemiology of physical inactivity globally, [ii] measurement and public health surveillance of physical activity, [iii] correlates and determinants of inactivity in adults and children, [iv] population-level interventions and settings for targeting physical inactivity, and [v] physical activity policy development and advocacy, and [vi] global issues in physical activity and disease prevention. The course will build on introductory public health core units of study, and apply them to a consideration of physical activity and public health. The evidence for health and social benefits and reasons for inactivity will be considered, as well as evidence-based strategies and settings for increasing physical activity at the population level. The course will consider the differences between local-level 'exercise programs' and large-scale public health efforts, and develop an understanding of policy and advocacy as applied to physical activity promotion. A multi-sectoral approach will be taken to the promotion of physical activity, drawing from the health and non-health sectors. Specific skills will be developed in physical activity research, surveillance and in the application of epidemiological methods to studies of physical activity and health.

Textbooks

Bauman A, Owen N, Bull F. Physical Activity and Public Health, (in press 2008), Human Kinetic publications.

PUBH5101

Special Project in Public Health

Credit points: 4 **Teacher/Coordinator:** Dr Tim Driscoll **Session:** Semester 1, Semester 2 **Assessment:** 1x4000word written report **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day **Note:** Department permission required for enrolment. Note: Students negotiate with a public health staff member to be their supervisor on an agreed project. The supervisor informs the Unit co-ordinator, who emails the Postgraduate Student Administration Unit permission for the student to enrol.

The aim of this unit is to systematically complete a self-directed project in one of the main content areas of the course. Students should contact an academic staff member associated with the area of their project and negotiate the details of the project design and the method and frequency of contact with the supervisor during the project.

PUBH5102

Special Project in Public Health

Credit points: 2 **Teacher/Coordinator:** Dr Tim Driscoll **Session:** Semester 1, Semester 2 **Assessment:** 1x2000word written report **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day **Note:** Department permission required for enrolment. Note: Students negotiate with a public health staff member to be their supervisor on an agreed project. The supervisor informs the Unit co-ordinator, who emails the Postgraduate Student Administration Unit permission for the student to enrol.

The aim of this unit is to systematically complete a self-directed project in one of the main content areas of the course. Students should contact an academic staff member associated with the area of their project and negotiate the details of the project design and the method and frequency of contact with the supervisor during the project.

PUBH5110

Introduction to Public Health Nutrition

Credit points: 4 **Teacher/Coordinator:** Dr Karen Webb **Session:** Semester 2 **Classes:** 2hr of online learning activities and discussions per week for 13 weeks **Assessment:** 2x2000word assignments (70%) and online discussion and participation (30%) **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

This fully online unit is intended for public health students, including specialists and non-specialists in nutrition. On completion, students will be able to work at entry level as members of a team, on programs which may address public health nutrition problems in Australia or in a developing country. Students will develop and apply skills in nutrition program planning, including needs assessment, priority setting, problem analysis, the application of health promotion theories to nutrition programs and policies. The unit will also develop skills in selecting promising interventions from among a broad range of public health approaches to address nutrition problems, setting program objectives and analysis of program logic. Students will be introduced to various global nutrition issues, influences on food choice and eating behaviour; understanding the food and nutrition system; characteristics of successful programs and policies. Access to the instructor and other students will be substantial through structured bulletin board discussions. Students must have reasonable weekly access to a Web browser in order to undertake the unit.

Textbooks

Hawe P, Degeling D, Hall J, Brierley A. Evaluating Health Promotion; A health workers guide. Sydney: MacLennan and Petty. 1990
A study guide with other readings is also provided.

PUBH5111

Environmental Health

Credit points: 4 **Teacher/Coordinator:** Dr Geoff Morgan **Session:** Semester 2 **Classes:** Mixed mode of online lectures with some face-to-face/online case studies (13 sessions of 2 hours) **Assessment:** 1xwritten assignment (45%), 1quiz (40%) and case study participation (15%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit aims to develop an understanding of environmental hazard identification and risk assessment and for students to understand the principles of hazard regulation and control. The unit will explore the major categories of environmental health hazards such as air quality; water & food quality; chemical hazards eg contaminated sites; physical hazards eg noise and radiation; and microbiological hazards eg Legionnaires' disease. It will use the disciplines of epidemiology, toxicology and ecology to characterise risks associated with these hazards and will explore various approaches to managing the risks. In studying this unit students will appreciate the multi-disciplinary nature of environmental health concerns and the need to work closely with external agencies. Regional and global issues of sustainability, climate change and land use planning will also be addressed.

Textbooks

Basic Environmental Health. Yassi, A et al. Oxford University Press, 2001; Environmental Health in Australia and New Zealand. Edited by Nancy Cromar, Scott Cameron and Howard Fallowfield, Oxford University Press, 2004.

PUBH5113**International Health**

Credit points: 4 **Teacher/Coordinator:** Dr Mu Li, Dr John Hall **Session:** Semester 2 **Classes:** 11x2hr lectures per semester, 2x2 hr sessions of peer learning through group presentations **Assessment:** 1 group presentation (20%), peer evaluation (5%), 1x2500 word individual essay (75%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit aims to give students an insight into the realities of prevention and control of diseases and injury and of health promotion in developing country populations based on real examples, presented by a wide range of people with direct practical experience. The unit covers a variety of issues in health and development disease prevention and control and health services in developing country settings.

Textbooks

Unit notes supplied by School

PUBH5114**Alcohol, Drug Use and Health**

Credit points: 4 **Teacher/Coordinator:** Associate Professor Kate Conigrave **Session:** Semester 2 **Classes:** 13 weeks of 1x2hr teaching sessions and associated online activities. The teaching sessions are a combination of face to face and online seminars. Students not able to attend face to face sessions can do the entire course online. **Prohibitions:** PUBH5115 **Assessment:** 2x1500word assignments (60%), compulsory online discussion participation (30%); online quizzes (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: Students request permission from the unit of study coordinator to enrol in this unit. The coordinator emails the Postgraduate Student Administration Unit advice that the student has permission to enrol.

This unit aims to assist students in developing an evidence-based understanding of the epidemiology of alcohol and drug use and its impact on health, and the effectiveness of methods for prevention and management of related problems. This fuller drug and alcohol elective covers all the content of PUBH5115 and goes on to assist the student to develop more advanced skills in research and in management of clinical services in relation to alcohol and drug use disorders, and to examine the needs of special populations.

Textbooks

Readings are available on the unit's WebCT site.

PUBH5115**Alcohol, Drug Use and Health**

Credit points: 2 **Teacher/Coordinator:** Dr Carolyn Day, Associate Professor Kate Conigrave **Session:** Semester 2a **Classes:** 7 weeks of 1x2hr teaching sessions and associated online activities. The teaching sessions are a combination of face to face and online seminars. Students not able to attend face to face sessions can do the entire course online. **Prohibitions:** PUBH5114 **Assessment:** 1x1500word assignment (60%); compulsory online discussion participation (30%); online quizzes (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment. Note: Students request permission from the unit of study coordinator to enrol in this unit. The coordinator emails the Postgraduate Student Administration Unit advice that the student has permission to enrol.

This unit aims to assist students in developing an evidence-based understanding of the epidemiology of alcohol and drug use and its impact on health, and the effectiveness of methods for the prevention and management of related problems.

Textbooks

Readings are available on the unit's WebCT site.

PUBH5116**Genetics and Public Health**

Credit points: 4 **Teacher/Coordinator:** Professor Bruce Armstrong **Session:** S2 Late Int **Classes:** 1x3day workshop **Assessment:** 1x3day workshop Assessment: 3x30min online quiz (30%) and take home exam in two parts: (1) 6 questions (250 words each) (45%); (2) 1x1000word specified-topic program proposal (25%). **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

This unit caters for practitioners, policy and decision-makers, students and researchers in public health, public policy, journalism, law, epidemiology, medicine, science, industry, ethics, philosophy,

communication and advocacy. The unit gives a basic introduction to genetics and genetic epidemiology and covers issues like genetic determinants of disease, genetic testing and screening, psychosocial, legal and ethical aspects of genetics and genetic testing, genetic education and genetics and public policy.

Textbooks

Readings are available on the unit's WebCT site.

PUBH5117**Communicable Disease Control**

Credit points: 6 **Teacher/Coordinator:** Dr Tim Driscoll **Session:** Semester 2 **Classes:** 1x2hr online lecture and 2hrs online group discussion per week for 12 weeks **Prerequisites:** PUBH5010 **Assessment:** online discussion and other online activities (20%), online quiz (10%), and 2x1500 word written assignments (70%) **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

This fully online unit aims to provide students with an understanding of the burden of communicable diseases of public health significance in Australia, as well as the biology, epidemiology and surveillance for and control of those communicable diseases. By the end of this unit, the student will have the theoretical background to take up a position as a member of a Communicable Diseases section of a Commonwealth or State Health Department or Public Health Unit. It is expected that the students undertake an extra hour per week of reading, research and preparation for discussion.

Textbooks

Recommended: Heymann. David L. (2004): Control of communicable diseases manual. American Public Health Association. Other readings provided on the course WebCT site.

PUBH5118**Aboriginal Health Promotion**

Credit points: 4 **Teacher/Coordinator:** Mr Shane Hearn **Session:** Semester 2b **Classes:** 1x2day workshop, 7 weeks x2 hr lectures **Assessment:** 1x2000word essay (70%), workshop participation (30%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

While many positive political, social and legal changes have taken place recently, the inescapable fact after 220 years of colonisation is that the gap in regard to health between Aboriginal and non-Aboriginal populations is remarkably large. Using a health promotion framework the unit will provide students with an opportunity to gain an understanding of the history and culture of Aboriginal people. It is hoped that students will utilise this understanding to effect more congenial and productive relations with Aboriginal people in the community, and within the spheres of their chosen professions. During the unit students are encouraged to enquire factors that determine health, to analyse the major factors that influence Indigenous health issues, the relationship between these factors, their impact on health and to identify and discuss possible solutions to address the health disparities between non-Indigenous and Indigenous populations in Australia.

Textbooks

Course reader will be provided.

PUBH5205**Decision Analysis**

Credit points: 2 **Teacher/Coordinator:** Prof John Simes, Dr Sally Lord **Session:** Semester 2b **Classes:** 1x2hr lecture per week for 6 weeks **Prerequisites:** PUBH5018 and PUBH5010 **Assessment:** 1xquiz (20%) and 1 written assignment (80%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Recommended: PUBH5302 Health Economic Evaluation

This unit examines quantitative approaches to public health and clinical decision-making. Topics of study include: decision trees and health related utility assessment; incorporating diagnostic information in decision making; sensitivity and threshold analysis and application of decision analysis to economic evaluation. Exercises are set at the end of most sessions and are reviewed at the start of the following session. Readings are also set after most sessions. Preparation time for each session is 1-2 hours. The fifth session comprises a quiz followed by a 1hr practical in the computing room using a decision analysis software package.

PUBH5206**Controlled Trials**

Credit points: 2 **Teacher/Coordinator:** Ms Adrienne Kirby, Ms Peta Forder
Session: S2 Intensive **Classes:** 2x1day workshops **Assessment:** Assessment will be based on a multiple choice examination (40%) and a short take home question (60%). In addition, students will be required to contribute to class discussions based on material reviewed prior to classes. **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

This unit introduces important issues in trial design, protocol development, ethics and principles of analysis. Topics of study include: principles of controlled trials; study design and randomization; analysis and interpretation; ethical issues and data management considerations. At the end of this unit, students should acquire skills relating to parallel and cross-over trial design, setting up a randomisation scheme, and understanding issues of multiplicity in clinical trials. During the workshop, there will be formal lectures on an area of controlled trials methodology, followed by a practical session led by a faculty member, based on material to be reviewed by students prior to the class. Lecture notes and solutions to practicals will be provided.

Textbooks

No single textbook or reading will be recommended as essential. However a list of suggested readings associated with the course will be provided to students for their interest.

PUBH5208**Screening and Diagnostic Test Evaluation**

Credit points: 2 **Teacher/Coordinator:** Dr Tim Driscoll, Associate Professor Alex Barratt **Session:** Semester 2a **Classes:** 1x2hr seminar or 2hr of online discussion per week for 7 weeks **Prerequisites:** PUBH5010 **Assessment:** 1x1000word critical appraisal (30%) and 1x1500word final assignment (70%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit is designed to further develop concepts covered in the Epidemiological Methods Unit and for those students seeking more detail on screening and diagnostic tests. It will cover a wider range of topics than clinical medicine alone. At the end of this unit, participants should be able to: use information from articles evaluating screening tests in order to apply test results to individual patients and/or make policy decisions about screening tests; consider the internal validity of studies used to assess diagnostic and screening tests and identify and appraise relevant articles and Systematic Reviews. The unit is based on weekly discussion of material provided in the unit workbook, session outlines and pre-reading. Students will be encouraged to contribute examples for discussion. This unit is offered in online/distance mode primarily. Face-to-face tutorials may also be offered.

Textbooks

Course notes are provided.

PUBH5211**Multiple Regression and Stats Computing**

Credit points: 4 **Teacher/Coordinator:** Dr Timothy Dobbins **Session:** Semester 2 **Classes:** 2hr per week for 13 weeks. This unit may be undertaken in face to face or online/distance mode. Students studying in distance mode must have access to a computer running Microsoft Windows. **Prerequisites:** PUBH5018 **Assessment:** 1x4page assignment (30%) and 1x10page assignment (70%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day or On-line

This unit covers simple and multiple linear regression; one-way analysis of variance to compare more than 2 groups; analysis of covariance to compare groups adjusting for confounders; testing for effect modification; calculating adjusted means; strategies for selecting the 'best' regression model; examination of residuals; regression to the mean; associated SAS programming. Each topic is covered by a 1 hour statistics lecture, a 1 hour SAS lecture, a 1 hour SAS practical and a 1 hour statistics tutorial to discuss the interpretation of the results. Each fortnight there is an exercise on the material covered in the statistics lecture. The SAS practical allows the necessary computing to answer the questions for the statistics tutorial the following week. The assignments will involve practical analysis and

interpretation of a data set and between 10% and 20% of the marks for each assignment are for the SAS computing program.

Textbooks

Course notes are provided.

PUBH5212**Categorical Data Analysis**

Credit points: 2 **Teacher/Coordinator:** Associate Professor Petra Macaskill **Session:** Semester 2b **Classes:** 1x2hr lecture, 5x1hr lectures, and 5x1hr tutorials over 6 weeks. This unit may be undertaken in face to face or online/distance mode. Students studying in distance mode must have access to a computer running Microsoft Windows **Prerequisites:** PUBH5018 **Corequisites:** PUBH5211 **Assessment:** 1x3page report (30%) and 1x8page report (70%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day or On-line

In this unit the biostatistical concepts covered in earlier units are extended to cover analysis of epidemiological studies where the outcome variable is categorical. Topics of study include: testing for trend in a 2 x r contingency table; the Mantel-Haenszel test for the combination of several 2 x 2 tables, with estimation of the combined odds ratio and confidence limits; multiple logistic regression; Poisson regression; modelling strategy. The assignments will involve practical analysis and interpretation of categorical data. Data analyses will be conducted using statistical software (SAS).

Textbooks

Students will be provided with a set of notes and tutorial exercises.

PUBH5213**Survival Analysis**

Credit points: 2 **Teacher/Coordinator:** Professor Judy Simpson **Session:** Semester 2b **Classes:** 1x1hr lecture and 1x1hr tutorial per week for six weeks both face to face and distance mode. Students studying in distance mode must have access to a computer running Microsoft Windows. **Corequisites:** PUBH5211 **Assessment:** 1x3page assignment (20%) and 1x10page assignment (80%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day or On-line

During this unit, students learn to analyse data from studies in which individuals are followed up until a particular event occurs, e.g. death, cure, relapse, making use of follow-up data also for those who do not experience the event. This unit covers: Kaplan-Meier life tables; logrank test to compare two or more groups; Cox's proportional hazards regression model; checking the proportional hazards assumption; sample size calculations for survival studies. For each topic participants are given some material to read beforehand. This is followed by a lecture, then participants are given one or two exercises to do for the following week. These exercises are discussed in the tutorial at the next session before moving on to the next topic. That is, in most weeks the first hour is a tutorial and the lecture is given in the second hour. Participants are expected to run SAS programs in their own time. Preparation time for each session is 2-3 hours. The assignments both involve use of SAS to analyse a set of survival data.

Textbooks

Course notes are provided.

PUBH5215**Introductory Analysis of Linked Data**

Credit points: 6 **Teacher/Coordinator:** Professor Judy Simpson **Session:** S2 Late Int **Classes:** block/intensive mode 5 days 9am-5pm **Prerequisites:** PUBH5018 and (PUBH5010 or BSTA5011) and (PUBH5211 or BSTA5004) **Assessment:** workbook exercises (50%) and 1xassignment (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

This unit introduces the topic of linked health data analysis at an introductory to intermediate level. It fills a gap in research training opportunities by combining the principles of health care epidemiology with hands-on practical exercises in the implementation of computing solutions. The modular structure of the unit provides students with a theoretical grounding in the classroom on each topic, followed by a training session on the corresponding computing solutions. Students use de-identified linked NSW data files on CD-ROM in the hands-on exercises. The computing component of the unit assumes a basic familiarity with computing syntax used in SAS and methods of basic

statistical analysis of fixed-format data files. Contents include: an overview of the theory of data linkage methods and features of comprehensive data linkage systems, sufficient to know the sources and limitations of linked health data sets; design of linked data studies using epidemiological principles; construction of numerators and denominators used for the analysis of disease trends and health care utilisation and outcomes; assessment of the accuracy and reliability of data sources; data linkage checking and quality assurance of the study process; basic statistical analyses of linked longitudinal health data; manipulation of large linked data files; writing syntax to prepare linked data files for analysis, derive exposure and outcome variables, relate numerators and denominators and produce results from statistical procedures at an introductory to intermediate level.

Textbooks

Notes will be distributed in class.

PUBH5221

Qualitative Research Methods

Credit points: 2 **Teacher/Coordinator:** Associate Professor Susan Quine **Session:** S2 Intensive **Classes:** 1x2day workshop **Prerequisites:** PUBH5016 or MIPH5132 or PUBH5014 **Assessment:** EITHER 1x2000word theoretical essay assignment OR 1 practical reflective report (100%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

This unit aims to extend participants' understanding of qualitative research methods and enable the acquisition of skills in the collection and analysis of qualitative data. The unit builds on the social research methods introduced in the unit PUBH5016 Society, Behaviour and Public Health or MIPH5132 Disease Priorities and Social Methods or PUBH5014 Social Research Methods. It covers the relevance of qualitative methods to the investigation of health issues; non-probability sampling; observation - practical; interview technique - practical; focus groups - practical; introduction to basic data analysis and interpretation of text; how to speak to and interrogate qualitative data and how to write up and present qualitative data. During the 2 day interactive workshop, there will be opportunities for practical application of qualitative research techniques (interviewing in pairs, simulated focus groups, observational activities, data analysis).

Textbooks

A manual of course notes and references are provided.

PUBH5224

Advanced Epidemiology

Credit points: 6 **Teacher/Coordinator:** Associate Professor Alexandra Barratt, Professor Robert Cumming, Dr Timothy R Driscoll **Session:** Semester 2 **Classes:** Interactive lectures, small group work and lectures **Prerequisites:** PUBH5010 **Assessment:** 1x2500 word assignment (40%), 1x1500 word assignment (30%), class presentations (30%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Evening or Normal (lecture/lab/tutorial) Day

Note: Students are recommended to have achieved at least a Credit standard in PUBH5010 Epidemiology Methods and Uses or equivalent unit of study.

This unit of study is intended for students who have completed Epidemiology Methods and Uses (or an equivalent unit of study) at a credit or higher level. It is designed to provide students with an opportunity to consolidate critical appraisal skills, to acquire the practical knowledge and skills needed to design epidemiological research, and to extend students' theoretical knowledge of epidemiology beyond basic principles.

Students will critically appraise examples of major epidemiological studies including at least one randomized controlled trial, at least one observational study and at least one systematic review/meta-analysis. These critical appraisals will introduce students to key study design and reporting guidelines including CONSORT, QUORUM, STARD, MOOSE and the COCHRANE HANDBOOK.

Students will also learn about designing new epidemiological research including both practical and theoretical aspects of epidemiological design to address a variety of research questions.

Issues relevant to specific types of epidemiological research will also be covered, including: Investigation of clusters of cases occurring in a worksite or community, new initiatives in clinical trials including

clinical trial registers, cluster randomized trials, new National Statement on Human Research Ethics.

PUBH5302

Health Economic Evaluation

Credit points: 4 **Teacher/Coordinator:** Dr Kirsten Howard **Session:** S2 Intensive **Classes:** 2x2day compulsory workshops **Prerequisites:** PUBH5010 and PUBH5018 **Assessment:** assignment 1 (40%), assignment 2 (60%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

This unit aims to develop students' knowledge and skills of economic evaluation as an aid to priority setting in health care. This unit covers: principles of economic evaluation; critical appraisal guidelines; measuring and valuing benefits; methods of costing; modeling in economic evaluation. The workshops consist of interactive lectures, class exercises and case history analyses.

Textbooks

A course manual will be provided to each student.

PUBH5307

Advanced Health Economic Evaluation

Credit points: 2 **Teacher/Coordinator:** Dr Kirsten Howard **Session:** S2 Late Int **Classes:** 1x2day workshop **Prerequisites:** PUBH5018 and PUBH5010 **Corequisites:** PUBH5205 and (PUBH5302 or CEPI5303) **Assessment:** 2xwritten assignments (40%/60%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

The aims of this unit are to provide students with an understanding of the concepts, application and analytical techniques of more advanced methods of health economic evaluation and with practical working knowledge of how to conduct economic evaluations using stochastic and deterministic data. This unit will focus on students developing the hands-on skills of conducting economic evaluations, included detailed practical instruction in the use of decision analytic software such as TreeAge and Excel. The format will be in face to face workshops with lectures followed by computer based exercises directly relating to the lectures. The broad topic areas covered are: 1) analysis of health outcomes including survival and quality of life measures 2) analysis of costs 3) economic modeling, including conduct of sensitivity analyses (one way, multi-way and probabilistic sensitivity analysis) and 4) presenting and interpreting results of cost effectiveness analyses.

PUBH5308

Health Workforce Policy Analysis

Credit points: 2 **Teacher/Coordinator:** Associate Professor Deborah Schofield, Dr Sue Page **Session:** S2 Late Int **Classes:** 1x2day workshop **Assessment:** Assignment on a selected health workforce policy analysis topic **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

The unit will examine the major components of health workforce planning in Australia. The Australia health workforce context will be considered (including total workforce size, payment mechanisms and employment arrangements) and the processes by which health workforce planning is influenced through government policy and workforce data translated and integrated with policy and planning explored. The framework for future labour force planning will be discussed with reference to the Intergenerational Report. Current health workforce issues such as adequacy of the workforce, ageing of the workforce, the distribution of the workforce, professional registration, and special needs communities will be addressed. Approaches to planning for an adequate workforce and modelling the future of the health workforce will be examined including practical examples.

Textbooks

Australia's Health Workforce, Productivity Commission Research Report, 2005 Available at: <http://www.pc.gov.au/study/healthworkforce/finalreport/index.html>

PUBH5414

Public Health Advocacy

Credit points: 2 **Teacher/Coordinator:** Professor Simon Chapman **Session:** S2 Intensive **Classes:** 1x2day workshop **Assessment:** 1xletter to the editor of a newspaper (10%) and 1x2000word assignment (90%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

This unit aims to familiarise students with the strategies of public health advocacy and to provide skills in content and discourse analysis of media coverage of health and medical issues. This unit covers the role of media advocacy in advancing public health policy; framing public health issues; news gathering, reporting and editing; strategies for media advocacy; political lobbying in public health advocacy. Teaching and learning activities include interactive lectures, case studies and small group work. Students will be expected to prepare for the sessions. Requirements will be distributed prior to the first day.

Textbooks

Chapman S. Public Health Advocacy and Tobacco Control: Making Smoking History. Oxford: Blackwell, 2007. References are available through the unit's WebCT site.

PUBH5415

Injury Prevention

Credit points: 2 **Teacher/Coordinator:** A/Prof Rebecca Ivers **Session:** S2 Intensive **Classes:** 1x2day workshop **Assessment:** 1x2000word essay (90%) and participation in small group work during the workshop (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

This unit aims to provide students with a clear understanding of the magnitude of the injury burden, both in higher and lower income countries, and the strategies that are required to address this burden. This unit will cover: injury definitions, measurement and surveillance; risk factor identification; intervention strategies and their evaluation; advocacy; cause-specific injury topics. During the 2 day workshop, guest speakers will outline issues relevant to the general injury prevention field and students will participate in interactive small group work which will focus on issues relevant to cause-specific injuries, in collaboration with guest contributors.

Textbooks

Students will be provided with a course manual. Recommended text: McClure R, Stevenson M, McEvoy S. The Scientific Basis of Injury Prevention and Control. Melbourne: IP Communications, 2004.

PUBH5416

Vaccines in Public Health

Credit points: 2 **Teacher/Coordinator:** Rob Menzies, Professor Peter McIntyre **Session:** S2 Intensive **Classes:** Preparatory online lectures and 1x2day workshop **Assessment:** 2xshort online quizzes (10%) plus 1x2000word assignment (90%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education/Intensive on Campus

Note: Department permission required for enrolment. Note: Students may be required to request permission from the unit of study coordinator to enroll in this unit of study. In this situation, the coordinator emails the Postgraduate Student Administration Unit advice that the student has permission to enrol

The aim of this unit is to provide students with an understanding of immunisation principles, the impact of vaccination on the epidemiology of vaccine preventable diseases (VPDs), how to assess the need for new vaccines and how to implement and monitor a new vaccination program. This unit covers the history and impact of vaccination; basic immunological principles of immunisation; surveillance of diseases, vaccination coverage, vaccine effectiveness and adverse events; risk communication; assessing disease burden and new vaccines. Learning activities include short online preparatory lectures and a workshop with interactive lectures and small group case studies (please bring a calculator).

PUBH5417

Injury Epidemiology Prevention & Control

Credit points: 4 **Teacher/Coordinator:** A/Prof Rebecca Ivers **Session:** Semester 2 **Classes:** Online lectures and moderated discussions over 13 weeks (workload 6-8hr/week) **Assessment:** 1x4000word assignment (60%) and participation in two moderated online discussions (40%) **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

This one-semester online unit teaches students about the principles of injury epidemiology, prevention and control. It provides a basis for the assessment and investigation of injury issues and the development, implementation and evaluation of injury prevention programs. The unit will cover: injury measurement and classification (descriptive methods); risk factor identification (analytic methods); evidence-based interventions for injury prevention; priority setting in injury control;

injury prevention policy; strategies in injury control; implementing strategies in injury control; program evaluation in injury prevention; injury and Indigenous Australians and an international perspective on injury. During this unit, students will: gain an understanding of the epidemiology of injury, including the burden of injury, injury surveillance, methods for estimating the frequency and severity of injury, and methods for identifying risk factors; gain an understanding of the theories underpinning injury prevention and illustrate their application; develop an appreciation of the process of priority setting in injury, the design and implementation of injury prevention interventions, and the principles and conduct of evaluations.

Textbooks

Lecture notes, case studies and journal articles will be provided online from a password-protected site. Recommended text: McClure R, Stevenson M, McEvoy S. The Scientific Basis of Injury Prevention and Control. Melbourne: IP Communications, 2004.

PUBH5418

Tobacco Control in the 21st Century

Credit points: 6 **Teacher/Coordinator:** Professor Simon Chapman **Session:** Semester 2 **Classes:** Three days of lectures and problem-focused discussions, followed by 4 weeks of problem-based online discussions and self directed learning tasks per week for 13 weeks **Assessment:** 2x2000word essays (60%), 1x100item online quiz (10%) and online discussion and participation (30%) **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

The unit consists of 10 self-directed learning topics, each of which is supported by extensive Web based resources, and 4 moderated online discussion forums, each focusing on a problem related to tobacco use and control. Self-directed learning topics include: information technology and tobacco control, history of tobacco use and control; the burden of illness from tobacco use; passive smoking: the research evidence; tobacco and nicotine pharmacology; measuring tobacco use, uptake and cessation in communities; international trends in tobacco consumption; tobacco and the environment; the UN Framework Convention on Tobacco Control and litigation. Problem focused discussion forums include: Harm reduction and tobacco control, regulation of tobacco, improving and implementing pack warnings; promoting smoking cessation, prevention of uptake (youth programs); denormalisation of the tobacco industry; controlling advertising; and controlling exposure to tobacco smoke, making news on tobacco and influencing political policy on tobacco.

Textbooks

Chapman S. Public Health Advocacy and Tobacco Control: Making Smoking History. Oxford: Blackwell, 2007. Other readings are provided on the unit's WebCT site.

PUBH5419

Falls Prevention in Older People

Credit points: 4 **Teacher/Coordinator:** Dr Soufiane Boufous and Dr Cathie Sherrington **Session:** Semester 2 **Classes:** 6-8 hours of online lectures and tutorials per week for 13 weeks **Assessment:** 1x2000word written assignment (60%) and participation in four moderated online discussions (40%) **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

This fully online unit aims to teach students about the principles of falls prevention and falls injury prevention in the older person, with a focus on the application of these principles in the field. This unit will cover: the aetiology of falls; the burden and economic implications of falls in the older person; primary, secondary and tertiary prevention strategies (community, hospital and long-term care facilities); developing and implementing injury prevention programs; the principles and value of program evaluation and current programs being used in Australia and overseas. Students will discuss the research methods surrounding the impact of falls, research design and the risk of falls, and will look at the development of falls prevention programs, case studies, issues and future directions.

Textbooks

Lecture notes, case studies and journal articles will be provided online from a password-protected site. Recommended text: Lord SR, Sherrington C, Menz, H, Close J (2007). Falls in Older People: Risk factors and Strategies for Prevention. Cambridge University Press (2nd edition).

PUBH5500**Introducing Qualitative Health Research**

Credit points: 6 **Teacher/Coordinator:** Dr Stacy Carter **Session:** S1 Intensive **Classes:** Block mode (2x3 days) **Assessment:** 3x2000wd assignments (each 30%) and group presentation (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

In this unit you will think about and do qualitative research. The unit overviews the field, and is particularly suitable for anyone new to qualitative research. It is taught in six days of workshops, and each workshop day will be built around a different research question to keep your learning practical. We will consider big questions about ethics, traditions, the relationship between qualitative and quantitative research, integrating research findings and research quality. You will practice arguing for the value of the knowledge that qualitative research creates, and practice writing answers to the kinds of questions asked by ethics committees. You will experiment with data collection. You will meet and talk with working qualitative researchers and hear about their projects. Most importantly, you will build your critical thinking skills and begin thinking about qualitative data analysis. By the end of the unit you will be ready to begin evaluating and doing qualitative research for yourself.

PUBH5906**Dissertation A**

Credit points: 6 **Session:** S2 Late Int, Semester 1, Semester 2 **Prerequisites:** A candidate must have obtained a minimum weighted average mark of 70% in at least 24 credit points of coursework and obtained approval from the course-coordinator to enrol in this unit of study. Enrolment must be done through the Faculty or School office. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

PUBH5907**Dissertation B**

Credit points: 6 **Session:** S2 Late Int, Semester 1, Semester 2 **Prerequisites:** A candidate must have obtained a minimum weighted average mark of 70% in at least 24 credit points of coursework and obtained approval from the course-coordinator to enrol in this unit of study. Enrolment must be done through the Faculty or School office. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

PUBH5908**Dissertation C**

Credit points: 12 **Session:** S2 Late Int, Semester 1, Semester 1a, Semester 1b, Semester 2, Semester 2a, Semester 2b **Prerequisites:** A candidate must have obtained a minimum weighted average mark of 70% in at least 24 credit points of coursework and obtained approval from the course-coordinator to enrol in this unit of study. Enrolment must be done through the Faculty or School office. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Reproductive health sciences and human genetics units

RHHG5005**Reproductive Sciences and Medicine**

Credit points: 4 **Teacher/Coordinator:** Professor Robert Jansen **Session:** Semester 2 **Classes:** 7x4hr lectures **Assessment:** essay assignment **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit covers the following topics: reproductive cycle 1 (hypothalamus and pituitary); gamete approximation and fertilisation biology; ovarian function, oogenesis and ovulation; testicular function, spermatogenesis, male accessory organs; sexual physiology; reproductive cycle 2 (ovary and genital tract); implantation, embryogenesis; placenta; fetal development - ultrasound perspective; endocrinology of pregnancy and parturition; lactation; puberty and menstruation; menopause; effects of reproductive steroids on metabolism and other body systems; gonadal differentiation and genital development.

RHHG5006**Reproductive, Maternal and Child Health**

Credit points: 4 **Teacher/Coordinator:** Professor Ian Fraser **Session:** Semester 2 **Classes:** 5x4hr lectures **Assessment:** essay assignment **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit identifies significant issues in reproductive, maternal and child health, gives an overview of existing services for these population groups, and emphasises preventive health programs.

RHHG5007**Clinical Reproductive Medicine**

Credit points: 4 **Teacher/Coordinator:** Dr Mark Bowman **Session:** Semester 1 **Classes:** 7x4hr lectures **Assessment:** Essay assignment **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit covers the following areas of reproductive medicine: puberty, virility and male infertility, menstrual cycle and menstrual symptoms, premenstrual syndrome, dysfunctional uterine bleeding, dysmenorrhoea, menopause, amenorrhoea, ovulation induction, endometriosis, spontaneous abortion and recurrent abortion, contraception, psychosexual disorders, venereal diseases, subfertility and infertility, reproductive technology, assisted conception. This course is based on pre-reading provided prior to each lecture and followed by a two-hour tutorial, during which case studies provide material for investigation and management discussions. This will enable participants to develop a problem-solving approach to clinical management. Participants are required to present a case on at least one occasion during the semester.

RHHG5008**Counselling 1**

Credit points: 2 **Teacher/Coordinator:** Ms Agi O'Hara **Session:** Semester 1 **Classes:** 2x7hr and 3x3 hr lectures **Assessment:** oral presentation (50%), essay assignment (30%), and in class examination (20%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit concentrates on listening skills, principles of communication, group dynamics, competing theoretical perspectives, crisis management and an examination of values and ideology. The candidate will develop basic counselling skills for future application to reproduction counselling. The course is interactive, with the expectation that participants will present orally as well as be assessed through written work.

RHHG5010**Reproductive Sciences**

Credit points: 4 **Teacher/Coordinator:** Professor Michael Sinosich **Session:** Semester 1 **Classes:** 9x4hr lectures **Assessment:** Essay assignment **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit covers the following topics: cell structure and function; intracellular signalling and intercellular communication; cryobiology; steroidogenesis; steroid hormones and receptors; peptide hormone biochemistry and receptors; the social interaction of cells; regulation of cell division; molecular motors; contractility of smooth muscle, cilia and flagella; pathogenesis of PA11; rhesus incompatibility; XGR; recurrent abortion; protein structure and function, structure and function of complex carbohydrates; fetal monitoring; ultrasound, amniocentesis, CVS; radiation and thermal stress; birth defects and their causes; immunological processes in reproduction.

RHHG5011**Clinical or Laboratory Attachments**

Credit points: 2 **Teacher/Coordinator:** Dr Robert Markham **Session:** Semester 2 **Classes:** Clinical/laboratory experience of at least 12 hours **Assessment:** Experience report **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Organised individually for small groups, students keep log books of work undertaken and observed and include presentation of clinical cases or laboratory problems.

RHHG5012 Counselling 2

Credit points: 2 **Teacher/Coordinator:** Ms Agi O'Hara **Session:** Semester 2 **Classes:** 3x4hr lectures **Assessment:** presentation (60%), and essay assignment (40%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit concentrates on the process of counselling, making links between microskills and building an 'intentional interviewing' style. The microskills of challenging and confrontation are given prominence and participants are expected to reflect on their practice and the appropriateness of challenging and confronting clients. The candidate will develop basic counselling skills for future application to reproduction counselling. Ethical issues for counselling practice, with a particular focus on the ethical dimensions regarding reproductive medicine, are examined.

RHHG5013 Ethical, Social, Legal & Privacy Issues

Credit points: 4 **Teacher/Coordinator:** Professor Douglas Saunders AM **Session:** Semester 2 **Classes:** 6x4hr lectures **Assessment:** oral presentation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

The objective is for the student to know relevant legal principles and their application to reproductive health sciences and genetics. To understand the concept of ethical reasoning and apply to issues in reproductive medicine. To research an issue in reproductive medicine and genetics and discuss in terms of ethical, social and legal perspectives.

Case studies are used to initiate discussion of these issues. Topics include active and passive euthanasia; artificial insemination; assisted conception and embryo experimentation; abortion; legal rights of parents, fetuses and infants; relationships between parents, doctors and other health care providers; informed consent; errors in diagnosis; peer review; hospital and clinical records; population-based data systems.

RHHG5014 Fertility Control

Credit points: 2 **Teacher/Coordinator:** Dr Edith Weisberg **Session:** Semester 2 **Classes:** 4x3hr lectures **Assessment:** essay assignment **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit encourages a practical approach to fertility control and enables students to develop skills in the provision of contraceptive services. The following topics are covered: general issues in fertility control; contraceptive choice; benefits and risks of contraception; legal aspects; contraceptive counselling; availability of contraceptives; development of new contraceptives and details of specific methods of contraception including behavioural methods, barrier methods, intra-uterine devices, steroidal contraceptives, contra-contragestion and abortion, immunological methods, and status of male contraception. Lectures build on pre-reading provided. Tutorials require student presentation and discussion of issues. A written assignment is required during the semester. Assessment is based on presentations during tutorials and on the written assignment.

RHHG5015 Lab Assessment of Reproductive Function

Credit points: 2 **Teacher/Coordinator:** Dr Steven Fleming **Session:** Semester 2 **Classes:** 3x4hr lectures **Assessment:** essay assignment **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Concentrates on the technology and interpretation of assay techniques. The appropriate use and pitfalls of various tests is covered in more detail than in other parts of the course. These include serum and urinary assays in the fields of endocrinology and immunology; dynamic endocrine testing; relevance of specific tests to the function of particular organs; testing of fertility (including semen analysis, cervical mucous and post-coital testing, and sperm antibodies); oocyte function and fertilisation; use of biopsies.

RHHG5016 Medical and Molecular Genetics

Credit points: 2 **Teacher/Coordinator:** Dr Cynthia Roberts **Session:** Semester 2 **Classes:** 3x4hr lectures **Assessment:** Essay assignment **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Provides a comprehensive coverage of the principles of molecular pathology and progress with diagnosis and gene mapping. Diseases relevant to specific body systems are examined to give a state of the art picture of the molecular genetics of human disease. Included are: clinical genetics, molecular genetics, disease-specific counselling; molecular genetic techniques (southern, northern, hybridisation); molecular genetic techniques (PCR, pulse-field gel); clinical and molecular genetics of systemic disorders and haematological disorders; skeletal disorders; cystic fibrosis and transport disorders; neurological disorders; renal disorders; immunological disorders and HLA association; connective tissue disorders; phakomatoses (neurofibromatosis, Tay-Sachs disease); dermatological disorders; gene mapping techniques, status of human map, comparative gene mapping.

RHHG5019 Treatise A

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** The treatise is undertaken by full-time candidates during the two-year course and by part-time candidates in the third year, after completion of the coursework. **Assessment:** research treatise **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Candidates must complete a research project in an area of interest and submit their results in the form of a minor thesis or treatise. During the course, candidates are assisted in choosing a suitable topic and designing their study, both by their supervisor and by a formal component of the coursework called 'treatise development'.

RHHG5020 Treatise B

Credit points: 6 **Session:** Semester 1, Semester 2 **Classes:** The treatise is undertaken by full-time candidates during the two-year course and by part-time candidates in the third year, after completion of the coursework. **Assessment:** research treatise **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Candidates must complete a research project in an area of interest and submit their results in the form of a minor thesis or treatise. During the course, candidates are assisted in choosing a suitable topic and designing their study, both by their supervisor and by a formal component of the coursework called 'treatise development'.

RHHG5021 Reproduction and Cancer

Credit points: 2 **Teacher/Coordinator:** Dr Rodney Baber **Session:** Semester 2 **Classes:** 3x4hr lectures **Assessment:** essay assignment **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit examines three areas of interest linking cancer, reproductive endocrinology and infertility. The first concerns the application of 'reproductive insurance' using cryopreservation of ovarian cortical biopsy specimens, mature oocytes, sperm and embryos in patients with cancer. The second area explores the evidence between infertility and its management, childlessness and common gynaecological cancers and the alleged increased incidence of testicular cancer. The third examines the alleged links between breast cancer and hormone replacement therapy in the menopause.

RHHG5026 Introductory Medical Genetics

Credit points: 4 **Teacher/Coordinator:** Professor David Sillence **Session:** Semester 2 **Classes:** 4hr/week; total 36 hours of lectures **Assessment:** class participation plus major assignment **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Only for students commencing in 2004 or later.

The aim of this unit is to provide students with a broad introduction to the principles and practice of medical genetics. The content covered includes: history and philosophy of medical genetics, genetic

informatics, molecular basis of human inheritance, Mendelian inheritance, biochemical genetics, mitochondrial inheritance, cytogenetics, neurogenetics and cancer genetics. At the end of this unit of study the student should have a basic understanding of the topics above and be able to apply this knowledge to further study in this area.

RHHG5028

Medical Genetics

Credit points: 2 **Teacher/Coordinator:** Professor David Sillence **Session:** Semester 1 **Classes:** 7x2hr lectures **Assessment:** multiple examination questions; essay assignments **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit follows on from 'Introductory Medical Genetics' but deals with clinical genetics and diagnosis, clinical cytogenetics and clinical molecular genetics in more depth. Strategies for genetic health education and promotion, including evaluation, are introduced. The organisation and management of genetic health services is examined from a state, national and international perspective.

Sexually transmitted diseases/HIV units

SEXH5100

Social & Policy Aspects of Sexual Health

Credit points: 4 **Teacher/Coordinator:** Dr Richard Hillman, Dr Shailendra Sawleshwarkar **Session:** Semester 2 **Classes:** 2 hours of lectures per week, whole semester **Assessment:** written assignment, online quizzes and discussion **Campus:** Camperdown/Darlington **Mode of delivery:** On-line or Normal (lecture/lab/tutorial) Day

This unit aims to introduce the social, psychological and political determinants of sexuality, and consider their impacts on public health. It is available in both online and face to face modes.

At the end of this unit, students will be able to understand the spectrum and determinants of sexuality; the impacts of biology, culture, tradition, society, environment, life experiences, personal beliefs and health on sexual activity; the impacts of sexuality at public health levels; how sexual health needs vary with risk activity group and geographical location. Students will also be able to discuss policy and legislative responses to sexual activity, and methods for determining the effectiveness of such responses.

Course content will include population studies on sexual behaviour; historical perspectives; variants of sexuality (including adolescence, prisoners, multicultural aspects, the elderly, disability homosexuality and transgender issues); sexual dysfunction and counselling; commercial sex work; sex education; sexual assault, health promotion and ethical and legal aspects.

SEXH5101

Public Health Aspects of STDs

Credit points: 2 **Teacher/Coordinator:** Dr Richard Hillman, Dr Shailendra Sawleshwarkar **Session:** Semester 2b **Classes:** 2 hours of lectures per week, half semester, which can be taken either face-to-face or online **Assessment:** written assignment and online quizzes **Campus:** Camperdown/Darlington **Mode of delivery:** On-line or Normal (lecture/lab/tutorial) Day

This unit aims to provide a public health perspective of the community impact of sexually transmitted infections (STIs). It is available in both online and face to face modes. At the end of this unit, students will be able to understand the underlying principles of the surveillance systems used to monitor STIs; the core risk activity groups involved in the transmission of STIs; how the epidemiologies of STIs vary within and between societies; the public health impacts of STIs; and effective preventative strategies at individual and community levels. Course content will include an introduction to the basic biology of STIs; epidemiology and surveillance methods; STI service delivery considerations; STI/HIV interactions, travellers' sexual health; health promotion for STIs; policy approaches and ethical & legal issues.

SEXH5102

Public Health Aspects of HIV/AIDS

Credit points: 2 **Teacher/Coordinator:** Dr Richard Hillman, Dr Shailendra Sawleshwarkar **Session:** Semester 2a **Classes:** 2 hours of lectures per week, half semester, which can be taken either face-to-face or online **Assessment:** written assignment and online quizzes **Campus:** Camperdown/Darlington **Mode of delivery:** On-line or Normal (lecture/lab/tutorial) Day

This unit aims to provide a public health perspective of the impact of HIV infection. It is available in both online and face to face modes. At the end of this unit, students will be able to understand the underlying principles of the surveillance systems used to monitor HIV infection; the core risk activity groups involved in the transmission of HIV; how the epidemiology of HIV infection varies within and between societies; the public health impacts of HIV infection; and effective prevention strategies. Course content will include an introduction to the basic science of HIV infection; epidemiology and surveillance; sexual blood borne and mother to child transmission; STI/HIV interactions; other methods of transmission; health promotion for HIV; government perspectives and ethical and legal issues.

SEXH5200

Advanced STIs

Credit points: 6 **Teacher/Coordinator:** Dr Richard Hillman, Dr Shailendra Sawleshwarkar **Session:** Semester 1 **Classes:** compulsory attendance at 3x1hr lectures and 1x1hr journal club per week **Assessment:** written examination, short written discussion topics, multiple choice quizzes and participation in journal clubs **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit aims to describe the epidemiology, microbiology, pathogenesis, clinical features and management strategies for the common sexually transmitted infections (STIs). HIV infection will only be covered in the context of its interactions with other STIs.

At the end of this unit, students will be able to discuss the microbiology, pathogenesis and epidemiology of the common STIs. They will be able to demonstrate an understanding of the clinical spectrum of STIs, including asymptomatic infection, genital manifestations, extragenital manifestations and problems related to pregnancy. When discussing STI management, students will understand the impact of STIs at individual, relationship and community levels. and how needs differ with risk activity group and geographical location.

Course content will include the basic anatomy, physiology and clinical skills required for the investigation of STIs; the epidemiology, microbiology and clinical aspects of the following conditions: vaginal discharge, urethral discharge, genital ulceration, upper genital tract infections, sexually transmitted hepatitis, syphilis, anogenital warts and cancer, genital infestations and other conditions likely to present in a sexual health context. The social contexts of STIs, in terms of the overcoming difficulties of access and the challenges faced in resource-poor settings will also be covered.

SEXH5202

Advanced HIV Infection

Credit points: 6 **Teacher/Coordinator:** Dr Richard Hillman, Dr Shailendra Sawleshwarkar **Session:** Semester 2 **Classes:** compulsory attendance at 3x1hr lectures/week and 1x1hr journal club per week **Assessment:** written examination, short written discussion topics, multiple choice quizzes, participation in journal clubs and class presentations **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit aims to describe the epidemiology, biology, pathogenesis and clinical contexts of HIV infection.

At the end of this unit, students will be able to understand the laboratory, clinical and social aspects of the diagnosis and management of HIV infection.

Course content will include underlying scientific principles of diagnostics, virology, immunology and pathogenesis as applicable to HIV infection; clinical aspects of HIV infection, including seroconversion, asymptomatic infection, early symptomatic disease, major opportunistic infections (including AIDS-related conditions), tumours and death. Emphasis will be placed on the roles of prophylaxis, antiretrovirals and the management of associated

conditions. Legal, ethical and sociological contexts will also be discussed.

SEXH5204

Adolescent Sexual Health

Credit points: 4 **Teacher/Coordinator:** Dr Melissa Kang **Session:** Semester 2 **Classes:** fully online **Prohibitions:** SEXH5205 **Assessment:** Continuous assessment including participation in group discussion and project, short answer questions, 1000 word assignments **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

Note: Students are advised to select EITHER SEXH5204 (4 credit points) OR SEXH5205 (6 credit points). Students completing SEXH5204 will NOT be able to undertake SEXH5205. Students are advised to consult with the Unit Coordinator if they need assistance with this selection.

This unit aims to introduce the constructs of adolescent sexuality, explore the determinants of adolescent sexual health and to discuss the personal and public health implications of adolescent sexuality. At the end of this unit of study, students will be able to describe the biological, developmental and socio-cultural contexts of adolescent sexual health as well as the constructs, challenges and diversities of adolescent sexuality. They will learn techniques used to optimize communication with adolescents and explore legal, ethical and public health implications of adolescent sexuality. The course is taught fully online using a range of assessments including group participation and discussion, a group project, short answer questions and discussions based on case scenarios. It is divided into 6 modules: adolescent sexuality, adolescent sexual health, reproductive health issues in adolescence, diversity, legal and ethical issues and sexual health promotion.

SEXH5205

Advanced Adolescent Sexual Health

Credit points: 6 **Teacher/Coordinator:** Dr Melissa Kang **Session:** Semester 2 **Classes:** fully online **Prohibitions:** SEXH5204 **Assessment:** continuous assessment including participation in group discussion, short answer questions, 1000 word assignments plus 2500 word essay or field report **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

Note: Students are advised to select EITHER SEXH5204 (4 credit points) OR SEXH5205 (6 credit points). Students completing SEXH5204 will NOT be able to undertake SEXH5205. Students are advised to consult with the Unit Coordinator if they need assistance with this selection.

This unit aims to introduce the constructs of adolescent sexuality, explore the determinants of adolescent sexual health and to discuss the personal and public health implications of adolescent sexuality, with additional emphasis on a deeper exploration of an area of adolescent sexual health that is of particular interest to the student.

At the end of this unit of study, students will be able to describe the biological, developmental and socio-cultural contexts of adolescent sexual health as well as the constructs, challenges and diversities of adolescent sexuality. They will learn techniques used to optimize communication with adolescents and explore legal, ethical and public health implications of adolescent sexuality. They will also understand and describe one area of adolescent sexual health that the student chooses to study in depth from a list of suggestions.

The course is taught fully online using a range of assessments including group discussion, short answer questions and discussions based on case scenarios. It is divided into 6 modules: adolescent sexuality, adolescent sexual health, reproductive health issues in adolescence, diversity, legal and ethical issues and sexual health promotion.

SEXH5206

Diagnostic Methods in Sexual Health

Credit points: 6 **Teacher/Coordinator:** Dr Richard Hillman, Dr Shailendra Sawleshwarkar **Session:** Semester 1 **Classes:** blended online - a compulsory one week laboratory practical session towards the end of the course will compliment the online learning **Assessment:** online quizzes, case based presentations and a written exam at the end of the practicum **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education/Intensive on Campus

Note: Students who are not enrolled in the STD/HIV program through the Faculty of Medicine must apply to Dr Richard Hillman for permission to enrol in this unit of study.

This unit aims to introduce the student to the common methods used in the diagnosis and management of infections with the common Sexually Transmissible Infections (STIs), including HIV.

At the end of this unit, students will be able to understand the principles of Infection Control; methods used in diagnostic microbiology including specimen collection, storage and transport; specific diagnostic techniques and the interpretation of laboratory results; principle methods of detection for the following organisms: Chlamydia trachomatis, Candida albicans, genital mycoplasmas, Herpes simplex viruses, Human papillomaviruses, Molluscum contagiosum, Neisseria gonorrhoeae, Treponema pallidum, Trichomonas vaginalis, tropical genital ulcerating conditions and genital ectoparasites. Students will also be able to discuss methods used and interpretation of Hepatitis serology; laboratory aspects of syndromic management of vaginal discharge, urethral discharge, rectal discharge and prostatism; the diagnosis and management of HIV infection; the diagnosis of HIV-related opportunistic infections and tumours, and genital cytological assessment.

Course content will include reading materials and exercises. A compulsory intensive one week face to face practical allows students to consolidate their theoretical knowledge.

SEXH5207

STI/HIV Clinical Attachment

Credit points: 6 **Teacher/Coordinator:** Dr Richard Hillman, Dr Shailendra Sawleshwarkar **Session:** Semester 1, Semester 2 **Classes:** 15 x half day sessions **Corequisites:** SEXH5200 and SEXH5202 **Assessment:** direct observation of clinical skills and case presentations **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

This unit aims to provide students with clinical exposure to patients with the whole spectrum of sexually transmitted infections and HIV. At the end of this unit, students will be able to understand the basic clinical competences required for the management of people with sexual health problems and HIV infection; indications for special investigations such as colposcopy, laparoscopy, pelvic and scrotal ultrasound, endoscopy, fundoscopy for opportunistic infections and radiology including CT. Students from a science or policy background will be able to undertake equivalent relevant laboratory or field work. Course content will include attendance at a minimum of 15 half day seminars in selected sexual health and HIV clinics and the observation of patient care (for Master of Medicine students). The emphasis is on exploring the foundations of good clinical practice, using an evidence-based approach. Opportunities are provided to observe clinical practice with STI and HIV patients. However, the course does not provide direct hands-on experience for students, and cannot be considered a substitute for on-the-job training for students who wish to acquire clinical competence in these areas. Master of Science students will undertake equivalent relevant laboratory or fieldwork attachments, together with some clinical exposure. Whenever possible, attachments will be tailored to complement the candidate's past experience. Areas covered will include skills in taking a medical, sexual and drug-using history; physical examination, including genital and anal examination; handling and interpretation of laboratory tests; basic microscopy, chemotherapy; patient education and basic counselling; contact tracing and appropriate referral.

SEXH5302

Treatise A

Credit points: 12 **Teacher/Coordinator:** Dr Richard Hillman **Session:** Semester 1, Semester 2 **Classes:** independent supervised research **Prerequisites:** SEXH5200 and SEXH5202 **Assessment:** research treatise marked by two independent examiners **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit aims to provide the student with an opportunity to independently pursue supervised research in an area relevant to STIs, HIV or other aspects of Sexual Health. It is required to be taken in addition to Treatise B (SEXH5303) prior to submission of the treatise.

At the end of the unit, students will be able to undertake a comprehensive literature review, formulate a protocol, submit an ethics

application, collect data, synthesize data, and draw appropriate conclusions

Course content will be the work required to generate a research treatise. It may be undertaken in New South Wales, interstate or overseas, under appropriate and approved supervision.

The treatise is expected to be of a standard suitable for submission to a peer-reviewed journal.

SEXH5303

Treatise B

Credit points: 12 **Teacher/Coordinator:** Dr Richard Hillman **Session:** Semester 1, Semester 2 **Classes:** independent supervised research **Prerequisites:** SEXH5200 and SEXH5202 **Assessment:** research treatise marked by two independent examiners **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit aims to provide the student with an opportunity to independently pursue supervised research in an area relevant to STIs, HIV or other aspects of Sexual Health. It is required to be taken in addition to Treatise A (SEXH5302) prior to submission of the treatise.

At the end of the unit, students will be able to undertake a comprehensive literature review, formulate a protocol, submit an ethics application, collect data, synthesize data, and draw appropriate conclusions.

Course content will be the work required to generate a research treatise. It may be undertaken in New South Wales, interstate or overseas, under appropriate and approved supervision.

The treatise is expected to be of a standard suitable for submission to a peer-reviewed journal and is marked by two independent examiners.

Sleep medicine units

SLEE5001

Introductory Sleep Science

Credit points: 1 **Teacher/Coordinator:** Professor Colin Sullivan **Session:** Semester 1, Semester 2 **Classes:** ~3.5 hours online lectures over 1 semester plus directed reading and independent study **Assessment:** 1xonline quiz (50%), 1xexam (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education/Intensive on Campus

Aims: To become conversant with terminology and basic concepts within the field of sleep medicine and sleep science. **Content:** Sleep as an Active Process: In contradistinction to common perception, sleep does not involve so much the switching off of neural systems, but the activation of certain areas within the brain, situated in structures such as the medulla, thalamus and basal forebrain. This module introduces basic neural anatomy and physiology necessary for the understanding of the process of sleep. **Basic Respiratory Physiology:** Understanding mechanisms underlying the maintenance of adequate gas exchange is essential to the study of sleep science and medicine. This module is a short introductory review of respiratory physiology as it relates to sleep medicine.

SLEE5002

History of Sleep Research

Credit points: 1 **Teacher/Coordinator:** Professor Colin Sullivan **Session:** Semester 1, Semester 2 **Classes:** ~3 hours online lectures over 1 semester plus directed reading and independent study **Assessment:** 1xonline quiz (50%), 1xexam (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education/Intensive on Campus

Aims: To understand the milestones that shaped our understanding of the nature of sleep; to understand the development of the concepts of sleep stages, chronobiology and the concept that sleep is not a steady state cycle, but changes through the night; to appreciate importance of polysomnography and the all-night sleep study. **Content:** **Development of Sleep Research:** The importance of sleep has been recognized throughout history. However, until recent times sleep was thought to be the intermediate state between wakefulness and death. This section elucidates the observations that have led to the modern

concept of an active dynamic condition we call sleep - from the observation of biological cycles, through the discovery of REM sleep, to the all-night sleep study. **Introduction to Methods in Sleep Research:** Sleep research involves the use of specific equipment and techniques. The early reports of sleep were confined to case histories and, later, short-term samples of biophysical recording were made. However, it was not until the early 1950s that researchers began to undertake all-night recordings and so polysomnography was born. Polysomnography and the meaning of the biophysical measurements made during full sleep studies will be introduced. In addition, the concepts of sleep stages and the normal changes of cardiorespiratory control and EEG will be introduced.

SLEE5003

Introduction to Sleep Disorders

Credit points: 4 **Teacher/Coordinator:** Professor Colin Sullivan **Session:** Semester 1, Semester 2 **Classes:** ~5 hours online lectures over 1 semester plus directed reading and independent study **Assessment:** 1xonline quiz (40%), 1xexam (60%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education/Intensive on Campus

Aims: To understand the nature of sleep and gain an overview of normal sleep; to appreciate the changes in sleep associated with aging; to recognize various stages of sleep on a polysomnograph (this will be introduced in this unit, but extended significantly later in the course); to understand the range of sleep disorders, their presentation and diagnosis, including respiratory disturbances (OSA, central apnoea, pulmonary disease), sleep deprivation and fragmentation and general medical disorders which impact on sleep; to understand the epidemiology of sleep disorders and their impact on public health.

Content: **Normal Sleep:** This module will explain the definitions of sleep states and describe the progression of sleep through the night. The cyclic nature of sleep in humans and animals will be examined with some discussion of factors that affect sleep architecture, including age and drugs.

Introduction to Sleep Stage Scoring: This module will define the various stages of sleep from a practical standpoint, based on polysomnograph records. Candidates will be introduced to the standard methods of scoring sleep states which will be expanded during the practicum. Normal sleep and its variations will be the primary focus, with some discussion on the effects of drugs.

Respiratory Disturbances and Sleep: Respiratory sleep disturbance has a long history of comment in the literature generally, whereas, understanding of the medical significance of this has been a relatively recent phenomenon. This module will present an overview of the types of respiratory disturbances associated with sleep and the clinical presentation and evaluation of these. The natural history of sleep disordered breathing changes during the human lifestyle and the concept of a developmental path for sleep apnoea will be discussed.

Obstructive Sleep Apnoea: OSA has arguably been the most obvious type of sleep disordered breathing throughout history. Severe OSA is a major impediment to quality of life and is potentially life-threatening, not only as cause of impairment of day-time function, but as a predisposing factor to cardiovascular disease and stroke. OSA will be discussed in terms of its occurrence and polysomnographic identification. Reference will be made to OSA throughout life and treatments, however, these will be dealt with in more detail in the Sleep and Breathing Units I, II & III.

Central Apnoea: The occurrence and identification of central apnoea will be introduced. This module will give an overview of the range of this phenomenon from apnoea of infancy to Cheyne-Stokes respiration.

Introduction to Respiratory Scoring: This module will introduce respiratory scoring, which is very often a major part of scoring a polysomnographic study. It will define the guidelines used to identify and mark respiratory events throughout a polysomnographic study using the recommendations taken from the Report of The Academy of Sleep Medicine Task Force. The types of devices used to measure respiratory variables will also be discussed.

The Importance of Sleep: The importance of sleep in the maintenance of physical and psychological wellbeing will be covered.

SLEE5005**Research & Literature Searching in Sleep**

Credit points: 2 **Teacher/Coordinator:** Professor Colin Sullivan **Session:** Semester 1, Semester 2 **Classes:** ~3.5 hours online lectures over 1 semester plus directed reading and independent study **Assessment:** 1xshort answer question assignment (30%), 1xonline quiz (30%), 1xexam (40%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education/Intensive on Campus

Aims: To be familiar with the resources of the Medical Library; to be able to conduct an online literature searches and download the results into bibliographic software; to be able to develop a research plan, including hypothesis development and the choice of appropriate methods; to be able to choose the appropriate statistical methods for analysis and read research literature critically.

Content: The Medical Library: In this module the online resources of the Medical Library of the University of Sydney will be utilised and candidates will be able to use their UniKey account to access on-line tutorials, journal articles, catalogues, Medline and other databases for retrieval of information.

Applied Literature Searching: Candidates will be required to choose a topic for a short review (2,000 words), and demonstrate the ability to search for references and utilize bibliographic software for the management of those references. Instruction in the use of suitable bibliographic software integrated with a word processor, will be included in this module. **Study Design:** In this module you will learn about different types of basic, clinical and epidemiological study designs, which may be implemented to answer a research question relating to sleep and/or sleep disorders. You will be introduced to the concept of blinding of subjects and/or researchers, crossover study designs, and the use of placebo controlled study designs. This module will be useful in assisting those enrolled in the Masters Course to decide on a study they intend to implement for their treatise.

Introduction to Statistical Methods: This module will provide a practical overview of some of the statistical tests and ways of presenting data used in various aspects of biological research, including: student t-test; c 2 test; ANOVA; a priori and post hoc testing; standard deviation; standard error of the mean; confidence intervals; significance; and the differences between types of studies, such as case-controlled, double-blind or meta studies. Particular emphasis will be placed on the choice of appropriate tests for different types of data.

Treatise Development: Candidates will, with guidance choose a topic for research and develop a research plan. The plan will include a review of the background, the hypothesis and methods to be used, including the data analysis. This will be presented as a poster and talk at a mini-conference held during the practicum. This module will be completed over the course of the first year of study, however, the research plan will not be, necessarily, that undertaken for the completion of the candidate's treatise.

Seminar Presentation Skills: In this module you will learn how to prepare a seminar presentation, including the order of presentation, suggested software packages, and suggested colour schemes. You will learn how to effectively present data to a group of peers, including strategies to maximize audience interest. Effectively answering questions at the conclusion of your presentation will also be discussed.

SLEE5006**Physiology of Sleep**

Credit points: 4 **Teacher/Coordinator:** Professor Colin Sullivan **Session:** Semester 1, Semester 2 **Classes:** ~2 hours online lectures over 1 semester plus directed reading and independent study **Assessment:** 1x1500 word essay (30%), 1xonline quiz (20%), 1xexam (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education/Intensive on Campus

Aims: To understand cardiorespiratory control as it relates to sleep; to recognize the physiological mechanisms underlying the characteristic EEG of different sleep stages; to understand how motor control changes during the sleep cycle and the importance of this in regulation of sleep; to understand the regulation of homeostasis during sleep.

Content: Respiratory Control I: Review of respiratory control mechanisms and neuroanatomy. Central circuits involved in respiratory

control and changes in the modulation of these central control mechanisms during the sleep cycle. Respiratory Control II: Control of ventilation alters during sleep. Responses to hypoxia and hypercapnia will be discussed. In addition, the pattern of respiration during the sleep cycle and the influence of altered arousal and muscle tone on this system will be included in this module. Cardiovascular Control I: Central and autonomic regulation of cardiovascular function during the sleep cycle. Sleep-dependent changes in cerebral and peripheral circulation. Cardiovascular Control II: Integration of cardiovascular and respiratory control mechanisms. The peripheral chemoreceptor and baroreceptor mechanisms. Brain Electrical Activity: Characteristics of EEG and EOG in REM and NREM sleep and wakefulness. Cellular origins of EEG signals. Low frequency oscillations of corticothalamic origin during NREM - spindle, delta and slow waves. Brainstem and thalamic circuits involved in arousal and REM. The Brainstem and REM Sleep: This module describes the ontogeny of REM sleep and the brainstem sites of generation.

Motor Control During Sleep: During the sleep cycle, somatic muscle activity is reduced during NREM and centrally inhibited during REM. The process underlying these changes are complex and will be introduced in this module.

Physiological Function During Sleep: Homeostatic mechanisms during sleep including control of temperature regulation and metabolism.

SLEE5007**Chronobiology**

Credit points: 2 **Teacher/Coordinator:** Professor Colin Sullivan **Session:** Semester 1, Semester 2 **Classes:** ~3 hours online lectures over 1 semester plus directed reading and independent study **Assessment:** 1xonline quiz (40%), 1xexam (60%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education/Intensive on Campus

Aims: To understand the presence and physiological basis of biological rhythms and the ramifications for the sleep-wake cycle; to understand the normal modulation of circadian cycles and the effects when these are disrupted. **Content:** Chronobiology: The circadian rhythm and its relationship to the sleep cycle is examined along with the concepts of photic and nonphotic zeitgebers. Neural basis of Circadian Rhythm. The neurophysiology of the pacemaker in the suprachiasmatic nucleus and the neural circuits modulating its function. The genetic basis of circadian rhythm generation will also be discussed. Effects of Circadian Rhythms on Physiology I: The internal sleep structure is governed by circadian rhythms and these rhythms also impact upon levels of alertness and cognitive performance. This module deals with this topic and the ramifications for general day-time performance and quality of life if these rhythms are disrupted such as with sleep fragmentation or jet lag. Effects of Circadian Rhythms on Physiology II: This module continues the themes of 2.1.3 and considers the effects of such things as sleep deprivation and shift work on homeostasis and sleep regulation. In addition, the physiological effects and role of chronobiotic agent such as melatonin will be introduced. Circadian Rhythms and Ageing: The timing of sleep wake cycles is controlled by at least two neural clocks in the brain. Throughout the animal world there are numerous examples of cellular clocks, with the sleep wake cycle being the most visible example. Sleep wake patterns and rhythms change with age with alterations in both timing and content of sleep. This module introduces the area of chronobiology and the changes in sleep wake patterns with ageing. Importance of Sleep: Sleep occupies about one third of life and there is clear evidence of its importance for the wellbeing and proper function of many animals. This module provides an introduction to the evidence for the key role of sleep in growth, development and brain function.

SLEE5008**Sleep and Breathing I**

Credit points: 2 **Teacher/Coordinator:** Professor Colin Sullivan **Session:** Semester 1, Semester 2 **Classes:** ~2 hours online lectures over 1 semester plus directed reading and independent study **Assessment:** 1xonline quiz (40%), 1xexam (60%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education/Intensive on Campus

Aims: To understand the way the control of ventilation is affected by the normal sleep cycle; to understand the relationship between the

anatomy and physiology of the airways and the mechanics of ventilation during sleep; to introduce the physiological basis for pathologies of ventilation during sleep, especially OSA and central apnoeas. Content: Breathing During Sleep: The changes in spontaneous breathing during sleep and how this differs between REM and NREM sleep are reviewed. The mechanisms underlying these changes are also discussed. Anatomy and Physiology of the Upper Airway During Sleep: The upper airway and in particular the pharynx is particularly involved in the pathogenesis of OSA. The anatomy of the area and the control of muscles that are important for maintenance of airway patency are reviewed in this module. Snoring & Obstructive Sleep Apnoea-Hypopnoea: In this section, the physiology of snoring and OSA will be discussed in terms of its physiological determinants, occurrence and polysomnographic identification. The treatment of these conditions will be introduced. Central Apnoea: The physiology, occurrence and identification of central apnoea will be discussed with the clinical significance.

SLEE5009

Sleep and the Endocrine System

Credit points: 2 **Teacher/Coordinator:** Professor Colin Sullivan **Session:** Semester 1, Semester 2 **Classes:** ~0.5 hours online lectures over 1 semester plus directed reading and independent study **Assessment:** 1x2000word essay (40%), 1xonline quiz (30%), 1xexam (30%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education/Intensive on Campus

Aims: To understand the specific role of hormones in modulating circadian rhythms and sleep architecture; to appreciate the direct and indirect effects of disorders in hormone systems on sleep. Content: Melatonin & the Pineal: The anatomy and physiology of the pineal and its role in sensing photoperiod. Melatonin as a chronobiotic and its role in normal function and possible therapeutics. Sleep and the Menstrual Cycle: The influence of female sex hormone levels on sleep architecture during the menstrual cycle. Some reference to menopause will be made, however, this will be dealt with in future modules. Sex Hormones & Corticosteroid Disorders: The influence of male sex hormones and imbalances of steroids such as in Cushing's diseases which may have direct or indirect effects on sleep. Management of such conditions is discussed in relation to sleep. Acromegaly, Hypothyroidism and Diabetes: These hormonal imbalances lead to pathophysiological changes that adversely affect sleep. This module examines these changes and management of such patients.

SLEE5010

Neuropharmacology of Sleep I

Credit points: 1 **Teacher/Coordinator:** Professor Colin Sullivan **Session:** Semester 1, Semester 2 **Classes:** ~1 hour online lectures over 1 semester plus directed reading and independent study **Assessment:** 1xonline quiz (60%), 1xexam (40%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education

Aim: To gain knowledge of the neurotransmitter systems and pharmacology involved in control of sleep and circadian rhythms. Content: Neurotransmitter Systems in Sleep: In order to understand the conditions and treatments for a range of sleep disorders and parasomnias, the neuropharmacology must be understood. These sections discuss sleep mechanisms from the perspective of neurotransmitters and neuromodulators. Some basic physiology will be included for background. Neurotransmitter Systems in Arousal.

SLEE5011

Sleep and the Mind I

Credit points: 2 **Teacher/Coordinator:** Professor Colin Sullivan **Session:** Semester 1, Semester 2 **Classes:** ~2 hours online lectures over 1 semester plus directed reading and independent study **Assessment:** 1xonline quiz (30%), 1xexam (70%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education/Intensive on Campus

Aims: To understand the importance of psychological factors in sleep medicine; to examine the specific interaction between the physiological and psychic factors that produce some sleep disorders, using insomnia as an example; to understand the cognitive processes that occur in sleep. Content: Insomnia: The occurrence and origins of this disorder will be discussed in the context of psychological and behavioural

problems. The occurrence, clinical presentation and treatment of insomnia. Dreaming & Perception in Sleep: Theories on the origins and function of dreams will be discussed along with methods for study of dreams. Psychophysiology of Dreams: The relationship to dreaming and biophysical state will be examined along with the effect on dreams of various substances such as alcohol and psychiatric disorders. Dreaming Disorders: Nightmares and other phenomenon that have a disturbing effect on patients will be discussed.

SLEE5012

Practicum I

Credit points: 5 **Teacher/Coordinator:** Professor Colin Sullivan **Session:** Semester 1, Semester 2 **Classes:** Self-directed learning and application of previous theory. Expected student effort 6 hours per week. Also, an optional 1x1week residential school consisting of a series of lectures and practical classes is offered. **Prerequisites:** SLEE5003 and SLEE5005 **Assessment:** presentation on a topic chosen by the student (50%), 1x1hr sleep stage scoring assignment (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

The practicum component involves application of the theory presented during the previous two semesters work. A presentation will be recorded electronically by the student who is expected to use the knowledge gained to present a well structured, well referenced coherent presentation on a topic of their choice. A nocturnal recording, with the software required to analyse it will be provided. The student will score and comment on this study.

SLEE5013

Non-Respiratory Sleep Disorders

Credit points: 2 **Teacher/Coordinator:** Professor Colin Sullivan **Session:** Semester 1, Semester 2 **Classes:** ~3.5 hours online lectures over 1 semester plus directed reading and independent study **Prerequisites:** SLEE5003 **Assessment:** 1xonline quiz (30%), 1xexam (70%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education/Intensive on Campus

Aims: To understand the range of parasomnias and their classification; to understand the way in which neurological disorders in a range of systems can influence sleep. Content: Parasomnias I: Parasomnias are disorders of arousal, partial arousal and sleep transition. This module will discuss arousal disorders and sleep-wake transition disorders, such as sleep walking and rhythmic movement disorder. Parasomnias II: This module continues the discussion of the range of parasomnias including those associated with REM sleep such as REM behaviour disorder and other parasomnias such as bruxism. Degenerative Disorders: This section discusses the sleep effects of degenerative diseases such as Parkinson's disease and dementia, which also relates to the REM sleep disorders introduced in the Parasomnias II module. Restless Legs Syndrome & Other Disorders: This module discusses the sleep disturbances that involve the control of movement during sleep and include abnormalities in the amount of movement, loss of control of movement and abnormal forms of movement.

SLEE5014

Sleep and Breathing II

Credit points: 4 **Teacher/Coordinator:** Professor Colin Sullivan **Session:** Semester 1, Semester 2 **Classes:** ~1.5 hours online lectures over 1 semester plus directed reading and independent study **Prerequisites:** SLEE5003 and SLEE5008 **Assessment:** 1xonline quiz (20%), 1x2500 word essay (40%), 1xexam (40%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education/Intensive on Campus

Aims: To develop understanding of the clinical assessment and management of pathologies of ventilation during sleep; to understand the theory of the current methods of treatment of sleep apnoea-hypopnoea; to gain knowledge of developing therapies. Content: Clinical Aspects of OSA: The presentation and clinical assessment of OSA. Nocturnal Asthma: Introduction to the pathophysiology of asthma, clinical presentation and management in the context of sleep. Continuous Positive Airway Pressure: The theory and practice of CPAP in the treatment of OSA. Surgical Therapy: Early attempts at a surgical cure. Uvulopalatoplasty and the more modern elegant techniques such as mandibular distraction. Oral Devices: The range and uses of oral appliances for treatment of OSA. Medical

Therapy: This module discusses the options such as treatment of obesity and nasal appliances that are used to treat OSA and hypopnoea. Cardiovascular Disease and OSA. The epidemiological and medical evidence for the links between OSA and cardiovascular disease. Bilevel Pressure Support & Automatic Devices. Sophisticated appliances for the treatment of OSA and central apnoeas such as Cheyne-Stokes ventilation.

SLEE5015

Neuropharmacology of Sleep II

Credit points: 2 **Teacher/Coordinator:** Professor Colin Sullivan **Session:** Semester 1, Semester 2 **Classes:** ~2.5 hours online lectures over 1 semester plus directed reading and independent study **Prerequisites:** SLEE5010 **Assessment:** 1xonline quiz (50%), 1xexam (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education/Intensive on Campus

Aims: To understand the pharmacological basis of effects of different classes of drugs on sleep; to become familiar with drugs used therapeutically in various aspects in sleep medicine. **Content:** Drugs That Alter Sleep: This module introduces the types of prescription drugs that disturb sleep or waking function and may affect sleep disordered breathing. Hypnotics: This module looks at drugs with hypnotic-sedative effects, their effects on sleep and uses in sleep medicine. Stimulants: Drugs that increase arousal, motor activity and alertness will be examined in terms of their physiological action and uses in sleep medicine. Drugs of Addiction: A number of drugs of abuse and addiction, including nicotine and alcohol will be examined in relation to their effects on the sleep cycle and relevance to sleep medicine.

SLEE5016

Sleep and the Mind II

Credit points: 1 **Teacher/Coordinator:** Professor Colin Sullivan **Session:** Semester 1, Semester 2 **Classes:** ~2 hours online lectures over 1 semester plus directed reading and independent study **Prerequisites:** SLEE5011 **Assessment:** 1xonline quiz (40%), 1xexam (60%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education/Intensive on Campus

Aims: To gain knowledge of the effects of psychiatric disorders on sleep and some appreciation of the management of such patients; to understand the concept of sleep hygiene and the importance of behavioural modification as therapy. **Content:** Psychiatric Disorders and Sleep: Anxiety disorders mood disorders & schizophrenia all have a significant impact upon sleep and are examined in the context of patient management. Behavioural Therapies and Sleep Hygiene: Behavioural modification is very important in the management of a range of sleep disorders and such treatments are examined in this module.

SLEE5017

Sleep and Body Function

Credit points: 2 **Teacher/Coordinator:** Professor Colin Sullivan **Session:** Semester 1, Semester 2 **Classes:** directed reading and independent study **Assessment:** 1xonline quiz (50%), 1xexam (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Aims: To understand the changes in function of other organ systems in relation to sleep; to understand the effect of sleep on other organ systems and particular the effect of sleep disorders on the function of the body generally; to understand the changes that occur in sleep when the body is challenged by other diseases. **Content:** Hypertension, Stroke and Cardiovascular Function: Sleep and the problems associated with it in relation to cardiovascular problems will be discussed in this module. In addition, the association with sleep-disordered breathing will be discussed. Disruption of Rhythm: Shift work, jet lag and sleep disruption lead to generalized physiological and immunological problems. Gastrointestinal Physiology: The alterations in autonomic function during sleep have effects on gastrointestinal motility and function. As well as the normal gastrointestinal function during sleep, pathological conditions such as gastrooesophageal reflux will be discussed. Immunological Responses:

Sleep is affected by bacterial challenge and other alterations of immunological state. These considerations are examined.

SLEE5019

Sleep in Development (Child)

Credit points: 2 **Teacher/Coordinator:** Professor Colin Sullivan **Session:** Semester 1, Semester 2 **Classes:** ~2 hours online lectures over 1 semester plus directed reading and independent study **Assessment:** 1x4000word literature review (50%), 1x5page report (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education/Intensive on Campus

Aims: To understand sleep and sleep disorders during early development; to be introduced to paediatric sleep medicine and patient management. **Content:** Development of Respiratory Control: Respiratory control and its relationship to the sleep-wake cycle is not constant throughout life, but displays marked changes during development. These developmental stages are discussed from fetal biophysical states through to childhood are discussed in this module. Central Apnoea & OSA in Children: The occurrence and clinical significance of these conditions are examined. Paediatric Parasomnias: Parasomnias that are of interest in paediatrics are discussed, from night terrors to SIDS. Management of Paediatric Sleep Disorders: The diagnosis and treatment of sleep disorders in children.

SLEE5020

Sleep and Breathing III

Credit points: 2 **Teacher/Coordinator:** Professor Colin Sullivan **Session:** Semester 1, Semester 2 **Classes:** ~4.5 hours online lectures over 1 semester plus directed reading and independent study **Prerequisites:** SLEE5014 **Assessment:** 1xonline quiz (20%), 1x2500word essay (30%), 1xexam (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education/Intensive on Campus

Aims: To understand the impact of respiratory disorders and diseases on sleep and breathing; to understand the principles of clinical management of these patients in the context of sleep medicine. **Content:** chronic obstructive pulmonary disease (COPD); neuromuscular disorders; restrictive lung disease; cystic fibrosis.

SLEE5021

Neuropharmacology of Sleep III

Credit points: 2 **Teacher/Coordinator:** Professor Colin Sullivan **Session:** Semester 1, Semester 2 **Classes:** directed reading and independent study **Prerequisites:** SLEE5015 **Assessment:** 1xonline quiz (50%), 1xexam (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education/Intensive on Campus

Aims: To understand how knowledge of the neuropharmacology of a sleep disorder is gained and how this is used to develop therapeutic strategies; to gain an appreciation of the direction of current research into drug therapies for sleep disorders and the problems associated with this; to understand methods used to assess the efficacy of drugs and how to critically appraise trials of the therapies generally. **Content:** Narcolepsy: This condition has been studied extensively in humans and animal models and the neuropharmacology is reasonably well understood. This module examines the study of this condition and drug therapies. Possible Drug Therapies for OSA: The pharmacology of systems involved in OSA is examined and ways in which these might be targeted by drug therapy and the problems that are encountered. Pharmacology and Chronobiology: Drugs that alter the circadian clock (chronotropes) are discussed and their efficacy in treating sleep disorders. Assessment of Drug Therapy: This module deals with the critical analysis of drug effect. The methods of assessment and the ways in which the data is presented are discussed.

SLEE5023

Sleep in Development (Adult)

Credit points: 2 **Teacher/Coordinator:** Professor Colin Sullivan **Session:** Semester 1, Semester 2 **Classes:** directed reading and independent study **Assessment:** 1x4000word literature review (50%), 1x5page report (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Distance Education/Intensive on Campus

Aims: To understand sleep and sleep disorders throughout life; to understand issues specific to adult sleep medicine and patient

management. Content: Cardiorespiratory Physiology Through the Life-Cycle: This module charts the development of the cardiorespiratory systems from adolescence to old age with reference to sleep disorders. Sleep in Pregnancy & Lactation: Sleep architecture is altered during these states and during pathological conditions such as preeclampsia. Studies of these aspects of the life cycle are reviewed. Management of Sleep Disorders: From OSA to geriatric sleep fragmentation, this module considers clinical presentation and management of different age-groups. Epidemiology of Sleep and Public Health: Sleep research over the last fifty years has indicated that disorders of sleep such as snoring are not just an annoyance, but have serious ramifications for public health. In addition, sleep monitoring can detect the early development of disorders and so can improve management in other areas of medicine. These issues are discussed.

SLEE5024 Practicum II

Credit points: 5 **Teacher/Coordinator:** Professor Colin Sullivan **Session:** Semester 1, Semester 2 **Classes:** Self-directed learning and application of previous theory. Expected student effort 6-8 hours per week. Also, an optional 1x1week residential school consisting of a series of lectures and practical classes is offered if not undertaken in SLEE5012. **Prerequisites:** SLEE5003 and SLEE5005 and SLEE5012 **Assessment:** 1xpresentation (50%), 2x1hr sleep study scoring sessions (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

In this unit the theory presented during the previous four semesters work will be used in practice. Students will prepare and electronically record a presentation on a topic of their choice using the knowledge gained throughout the course. The student will also score and report several complex nocturnal sleep recording.

SLEE5025 Treatise

Credit points: 12 **Teacher/Coordinator:** Professor Colin Sullivan **Session:** Semester 1, Semester 2 **Classes:** online **Prohibitions:** SLEE5027 and SLEE5028 **Assessment:** 20,000-30,000 research treatise **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day
Note: Department permission required for enrolment.

To meet the requirements of the master's degree, students need to complete either SLEE5025 Treatise (12CP) or both SLEE5027 Treatise A and SLEE5028 Treatise B (12 credit points in total). Candidates will be assisted in all aspects of study design, implementation, analysis and research writing.

SLEE5027 Treatise A

Credit points: 6 **Teacher/Coordinator:** Professor Colin Sullivan **Session:** S2 Late Int, Semester 1, Semester 2 **Classes:** online **Prohibitions:** SLEE5025 **Assessment:** 20,000-30,000 research treatise due after completion of 12 credit points **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

Note: Department permission required for enrolment. Note: Students are required to seek permission from the course coordinator in order to enrol in this unit. If permission is given the coordinator emails the Postgraduate Student Administration Unit asking that the student be enrolled.

To meet the requirements of the master's degree, students need to complete both SLEE5027 Treatise A and SLEE5028 Treatise B (12 credit points in total) or SLEE5025 Treatise (12CP). Candidates will be assisted in all aspects of study design, implementation, analysis and research writing.

SLEE5028 Treatise B

Credit points: 6 **Teacher/Coordinator:** Professor Colin Sullivan **Session:** S2 Late Int, Semester 1, Semester 2 **Classes:** online **Prohibitions:** SLEE5025 **Assessment:** 20,000-30,000 research treatise due after completion of 12 credit points **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

Note: Department permission required for enrolment. Note: Students are required to seek permission from the course coordinator in order to enrol in this unit. If permission is given the coordinator emails the Postgraduate Student Administration Unit asking that the student be enrolled.

To meet the requirements of the master's degree, students need to complete both Treatise A and Treatise B (12 credit points in total) or SLEE5025 Treatise (12CP). This unit requires completion of the

research project commenced in Treatise A. Candidates will be assisted in all aspects of study design, implementation, analysis and research writing.

Surgery units

SURG5001 Devel & Meas of Surgical Hlth Outcomes 1

Credit points: 6 **Session:** Semester 1 **Classes:** 10x2hr modules. Participants will be able to achieve each module's objectives by completing the provided essential reading, working through the set questions and taking part in the tutorial. For each module, additional reading and resources will be provided **Assessment:** Participation (40%). Participation marks are awarded for the submission of set exercises and attendance of tutorial. Written assignment (60%). The written assignment will have relevance to each participants own speciality. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study is taught by the Surgical Outcomes Research Centre. The overall aim of this course is to provide participants with an understanding of key methodological concepts and issues needed to conduct high quality clinical and health services research. The course covers aspects of clinical epidemiology, outcome evaluation and health economic assessment with a focus on surgical research. The broad nature of the course will provide an introduction to key topics across these fields but may also serve as a means for participants to identify specific areas of interest that they would like to pursue in their own future research.

Course content includes: sources of bias in surgical studies; study designs in surgical effectiveness research; RCTs and problems with RCTs in surgery; development and evaluation of outcome measures; cost effectiveness analyses; quality of life and utility measures; evaluation of screening and diagnostic tests and systematic reviews and meta-analysis.

SURG5003 Devel & Meas of Surgical Hlth Outcomes 2

Credit points: 6 **Session:** Semester 2 **Classes:** 8x2hr modules. Participants will be able to achieve each module's objectives by completing the provided essential reading, working through the set exercises and taking part in the tutorial. **Assessment:** Participation (40%). Participation marks are awarded for the submission of set exercises and attendance of tutorial. Written assignment (60%). Participants will develop a research grant application for submission which will be assessed to NHMRC standards. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

The objective of this course is for participants to apply the knowledge and skills acquired in Part 1 to develop their own research proposal relevant to their speciality or research interest. The standard of the proposal will be to that of a peer-reviewed grant such as NHMRC. In addition to completing the research proposal, participants will face questions from a mock interview panel about their submission.

Content includes the practical aspects of developing a research proposal including: literature review; grant writing skills; use of appropriate outcome measures; minimising bias; study design, recruitment and follow up and analytic frameworks.

Participants will discuss their proposal within tutorials and gain feedback and advice from their peers and tutors.

SURG5007 Dissertation A

Credit points: 9 **Session:** Semester 1, Semester 2 **Classes:** 6hr/week independent supervised research **Assessment:** Candidates will be required to submit the dissertation in the form of a paper dealing with research on a specific topic. It should be the equivalent of one paper which would be acceptable for publication in a peer reviewed scientific, academic or professional journal. In keeping with Academic Board policy there is an option to submit published work based on research undertaken while enrolled for this degree. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

The dissertation is a formal piece of writing relevant to the subject area of the masters degree. Candidates will work on a specified research project under appropriate supervision. At least one of the project supervisors must be an academic staff member of the

University. The dissertation is in Parts A and B, both of which will be completed in a minimum of one year of full time study or two years of part time study.

SURG5008 Dissertation B

Credit points: 9 **Session:** Semester 1, Semester 2 **Classes:** 6hr/week independent supervised research **Assessment:** Candidates will be required to submit the dissertation in the form of a paper dealing with research on a specific topic. It should be the equivalent of one paper which would be acceptable for publication in a peer reviewed scientific, academic or professional journal. In keeping with Academic Board policy there is an option to submit published work based on research undertaken while enrolled for this degree. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

The dissertation is a formal piece of writing relevant to the subject area of the masters degree. Candidates will work on a specified research project under appropriate supervision. At least one of the project supervisors must be an academic staff member of the University. The dissertation is in Parts A and B, both of which will be completed in a minimum of one year of full time study or two years of part time study.

SURG5011 Imaging Surgical Patients

Credit points: 6 **Teacher/Coordinator:** Professor John Preston Harris **Session:** Semester 2 **Classes:** 1x1hr lecture plus 1x1hr tutorial and 4hr directed study per week **Assessment:** practical assignment involving case studies requiring investigation leading to diagnosis **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

The unit of study aims to introduce all types of imaging relevant to the practice of surgery, to understand the underlying physical and technological principles upon which imaging relies and to know the indications for use and complications of imaging. By the end of the unit students will understand the scientific basis of the various imaging modalities and the indications for their use and appreciate the importance of protection of patients and personnel from the harmful effects of imaging.

The contents of the unit are: B mode, spectral analysis and duplex ultrasound; computerised tomography; magnetic resonance; positron emission tomography; radio isotope imaging; angiography; imaging guided therapeutic techniques and safety measures in imaging.

Textbooks

Current surgical literature - references supplied.

SURG5012 Surgical Metabolism

Credit points: 6 **Teacher/Coordinator:** Professor Ross Smith **Session:** Semester 2 **Classes:** 1x1hr lecture plus 1x2hr tutorial plus 4hr directed study per week **Assessment:** attendance, assignments, open book essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

The aims of the unit are for the student to acquire knowledge of body composition in health and malnutrition and to understand adaptive response of the body to stress, trauma and sepsis. By the end of the unit the student will become competent in providing enteral and parenteral nutritional therapy to metabolically compromised patients.

Content includes body composition in health and malnutrition; measurement of malnutrition; sequence of stress response; enteral nutrition and parenteral nutrition.

Textbooks

Current surgical literature - references supplied.

SURG5013 Safety in Surgery

Credit points: 6 **Teacher/Coordinator:** Associate Professor John Andrew Cartmill **Session:** Semester 1 **Classes:** 1x1hr lecture plus 1x2hr tutorial for 3weeks, plus 4hr directed study per week and 1x3day seminar **Assessment:** attendance and practical assignments involving case studies **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study aims to gain insight into safety in surgery from dual perspectives; that of the individual surgeon 'on the spot' as well as the broader social, technological and political context. At the end of

the unit, students will have learned to appreciate performance limitations of individuals and teams, develop personal safety skills and behaviours and develop skills in debriefing, incident analysis and disclosure

Content includes generic industrial accidents, mishaps and near misses; human factors, psychology and surgical decision making, team theory and critical incident debriefing, incident analysis and disclosure.

Textbooks

Current surgical literature - references supplied.

SURG5014 Principle & Practice of Transplantation

Credit points: 6 **Teacher/Coordinator:** Dr Alexandra Sharland, Professor Richard Allen **Session:** Semester 2 **Classes:** The unit is delivered online plus 2 face to face classes per semester and will require approximately 10 hours study per week. **Assessment:** Formative mcq assessment of introductory material and immunobiology, 6 clinical cases - participation 5% each (30% total), preliminary structured case-commentary after 3 cases (10%), structured case commentary in final week (60%) **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

Note: It is recommended that students undertake PUBH5108 prior to enrolling in SURG5014

Over 15,000 Australians have or will develop end-stage organ failure this year, and this number is expected to grow exponentially with the rise in underlying conditions such as diabetes and hepatitis C. Organ transplantation is thus becoming increasingly important as a therapeutic modality. This unit of study will introduce students to the fundamental principles of transplantation immunobiology, and will provide an overview of the surgical and medical management of donors and recipients. Course participants will also explore the demographics, underlying conditions and co-morbidities of transplant recipients, the role of randomised clinical trials in the management of transplant immunosuppression, and the ethical aspects of transplantation. The major learning activities of this unit will be based around six cases in clinical transplantation.

Textbooks

Current transplantation literature - linked to online teaching materials.

SURG5015 Surgical Anatomy: Based on Dissection

Credit points: 6 **Teacher/Coordinator:** Professor James May, Professor George Ramsey-Stewart **Session:** Semester 1 **Classes:** 2.5 hour practical dissection class per week, 1.5 hour demonstration of anatomical dissections in OSCE format per week **Assessment:** Participation in the weekly OSCE anatomical theme sessions and practical dissection classes (40%), a mark based on the quality of the dissection in the chosen specialty and a mark based on the candidate's anatomical knowledge as demonstrated in the weekly viva (60%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Evening

The Surgical Anatomy unit of study is based on cadaver dissection and offered jointly by Disciplines of Surgery and Anatomy. There are two components to the course. Firstly, candidates are required to perform a dissection in the area of their chosen specialty. They must prepare a detailed description of the dissection including illustrations/photographs. The second requirement is that candidates attend a 1 ½ hour session each week on a known anatomical theme. They prepare for this by self directed learning and are assessed by viva. Subsequently they demonstrate the anatomical features of dissected specimens to USydMP students, in an OSCE format.

Textbooks

References supplied to course participants. Acland's DVD Atlas of Human Anatomy

SURG5016 Vascular and Endovascular Surgery

Credit points: 6 **Teacher/Coordinator:** Professor John Harris, Professor Geoffrey White and Dr Steven Dubeneck **Session:** Semester 2 **Classes:** 10x2hr evening seminars. Participants will be provided with instruction for home study in preparation for each session. **Assessment:** learning summary (70%) Each week participants will be required to submit a 1 to 2 page written summary of the key issues from the previous week; 1xwritten assignment (30%) Participants will complete a written assignment on a topic of relevance to their own surgical

specialty by the completion of the course. **Campus:** Camperdown/Darlington
Mode of delivery: Normal (lecture/lab/tutorial) Evening

The objective of this unit of study is for participants to develop a greater understanding of the anatomy, pathophysiology and treatment options for peripheral vascular disorders by open or endovascular means. This unit of study will introduce students to key areas of vascular anatomy and pathology at an advanced level. Where appropriate, vascular imaging will be incorporated. Course participants will also be exposed to other relevant disciplines, including cardiology, radiology and endocrinology. By the end of the course, participants will have developed a critical knowledge of the academic basis for contemporary vascular surgery.

Textbooks

Rutherford RB (ed) Vascular Surgery, 6th Edition 2005.
 Notes supplied to course participants.

SURG5020

Advanced Laparoscopic Abdominal Anatomy

Credit points: 6 **Teacher/Coordinator:** Dr Christopher John Young **Session:** Semester 1 **Classes:** 10x2hr tutorials **Assessment:** Presentation of worksheets

Units of study offered by other faculties

ACCT6119

Public Sector Accounts & Accountability

Credit points: 6 **Session:** Semester 1 **Classes:** 1 x 3hr class per week
Assessment: Weekly assignments; Class participation; Essay; Final examination
Campus: Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study does not require prior study in accounting. The objective of the unit is to assist students to appreciate that financial matters permeate all parts of the public sector, and affect all public sector activities. This unit focuses on accountability structures and arrangements in the public sector, especially those emerging from the changes over the past two decades that have shaped public sector accounting and accountability arrangements today. This unit locates public sector accounting within its wider social, cultural and political setting, and introduces students to some research literature, which is used to help frame analysis and discussion. Emphasis will be on public sector organisations in an Australian and international context. The unit is intended to complement GOVT6327 Managing Public Expenditure. However, it may be taken as a stand alone subject by those interested in the contemporary public sector.

BACH5001

Adult Learning

Credit points: 6 **Teacher/Coordinator:** Ms Victoria Neville **Session:** Semester 1, Semester 2 **Classes:** External/distance mode: independent learning package with WebCT support **Assessment:** Assignment based (non-exam) **Campus:** Cumberland **Mode of delivery:** Distance Education

The unit has been designed to encourage you to think critically about the concepts, strategies and theories of adult learning (traditional and contemporary) from theoretical and research literature relevant to education across the health sciences and services. The purpose of this process is to enable you to make informed, evidence-based arguments for enhancing deep approaches to student learning and encouraging self-regulated learning in your own teaching practice.

BACH5002

Educational Design

Credit points: 6 **Teacher/Coordinator:** Ms Fran Everingham **Session:** Semester 1, Semester 2 **Classes:** External/distance mode: independent learning package, WebCT and email support **Assessment:** Planning project submitted as two assignments (non-exam) **Campus:** Cumberland **Mode of delivery:** Distance Education

This unit examines the procedures and practices used by an educational designer in collecting and analysing data required for

and attendance at each tutorial (40%= 10x 4% per tutorial), assignment (60%)
Campus: Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Evening

The course will deliver focused sessions on applied laparoscopic anatomy, pertinent to specific procedures in colorectal, upper gastrointestinal, general, urological and gynaecological surgery. Video, other visual and printed material will be used to aid teaching of the abdominal, pelvic and retroperitoneal laparoscopic anatomy involved in these procedures. Printed material and worksheets will be read and completed prior to each session. Sessions will comprise one hour on anatomy, 30 minutes on technological and science issues regarding translation of applied anatomy to the laparoscopic perception, and 30minutes on developing and presentation of the course assignment which will be the preparation of an audiovisual teaching tool on the advanced laparoscopic anatomy of a specific operation of interest to the student.

Textbooks

Notes will be distributed prior to the course commencing.

planning and proposing educational programs and designing effective learning plans. The models and readings recognise the differences and commonalities in the design needs of academics, clinical teachers and professional educators in university and further education settings, clinical and workplace contexts, and patient and community health education. Current concerns, such as evidence based design, constructive alignment, flexible and technology based modes of delivery and student approaches to learning are addressed. Participants experience design processes, such as pedagogical reasoning, by undertaking a design project relevant to their setting.

Textbooks

Caffarella R, Planning Programs for Adult Learners: A Practical Guide for Educators, Trainers and Staff Developers, Jossey Bass, San Francisco (2002)
 Fraser K, Student Centered Teaching: The Development and Use of Conceptual Frameworks, Green Guide No 18, Higher Education and Research Society of Australasia (1996)

BACH5003

Facilitating Learning

Credit points: 6 **Teacher/Coordinator:** Ms Fran Everingham **Session:** Semester 2 **Classes:** External/distance mode: independent learning package, WebCT and email support. Optional weekend workshop dependent on student numbers (Saturday and Sunday) **Assumed knowledge:** Some knowledge of adult learning theory and group dynamics useful **Assessment:** Literature review, video skills practice and reflective report (non-exam) **Campus:** Cumberland **Mode of delivery:** Distance Education

This unit engages new and experienced academic, clinical teachers and tutors, and community and patient educators with the opportunity to experiment with and practice the micro skills of teaching that are associated with effective learning, such as explaining, variation, questioning, demonstration and group discussion, and the micro skills of facilitation that enable students to learn from experience and construct personal and professional meaning. Participants videotape themselves practising various micro skills in their place of work or in the on campus workshop offered (subject to sufficient numbers). Participants then experience reflection as the basis for developing their "pedagogical signature" as a teacher and as a catalyst for continuing professional development. Teacher inquiry is introduced in the context of the scholarship of teaching associated with selecting and investigating the effectiveness of teaching and learning strategies.

Textbooks

Recommended:

Brookfield S, The Skilful Teacher: On Technique, Trust and Responsiveness in the Classroom, Jossey Bass, San Francisco (2006)
 Brookfield S & Preskill S, Discussion As a Way of Teaching: Tools and Techniques for democratic classrooms, Jossey Bass, San Francisco (2007)
 Biggs J, Teaching for Quality Learning at University (3rd ed), Open University Press, UK (2007)

BACH5007

Curriculum Leadership

Credit points: 6 **Teacher/Coordinator:** Ms Fran Everingham **Session:** Semester 2 **Classes:** External/distance mode: independent learning package/WebCT and email support **Assumed knowledge:** BACH5001 Adult

Learning and BACH5002 Educational Design **Assessment:** Context, briefing and discussion papers (no exam) **Campus:** Cumberland **Mode of delivery:** Distance Education

Leadership in curriculum requires: a strategic knowledge about the policy and professional context in order to build a shared curriculum platform for curriculum deliberation; the capacity to undertake critical inquiry to inform curriculum design questions; a 'clear focus on course design with a conceptual grounding in research on student learning' (Gibbs, 1992); the ability to engage with others to theorise, design and elaborate a relevant and effective conceptual and pedagogical framework; negotiation of curriculum innovation and management of change, and dealing with accountability and continued quality through evaluation. These issues are relevant to anyone designing a program that requires a ladder of outcomes associated with some form of certification, accreditation or professional recognition whether you work in a university, health service or vocational training institution.

BACH5022

Independent Investigation II

Credit points: 6 **Teacher/Coordinator:** Ms Fran Everingham **Session:** Semester 2 **Classes:** External distance mode: contract learning **Assumed knowledge:** Basic principles of adult learning and educational design are useful **Assessment:** Negotiated **Campus:** Cumberland **Mode of delivery:** Distance Education

In this unit, individual participants can pursue an in-depth study of an educational issue of their choice. This is a self-directed independent learning contract including the opportunity for negotiated assessment. Many students use this unit to undertake an extended critical review to inform an educational project or innovation in their workplace or to explore a research topic in preparation for higher degree study in the field of education. Prospective students must discuss their topic of interest with the unit coordinator prior to enrolling in this unit.

BACH5042

Teaching Clinical Reasoning

Credit points: 6 **Teacher/Coordinator:** Ms Victoria Neville **Session:** Semester 2 **Classes:** External/distance mode: independent learning package with WebCT support **Assumed knowledge:** Some knowledge of Adult Learning theory is useful **Assessment:** Assignment based (non-exam) **Campus:** Cumberland **Mode of delivery:** Distance Education

Participants explore theories and models of clinical reasoning and decision-making from the medical, nursing and allied health literature. A range of strategies to facilitate the development of clinical reasoning will be examined. Participants will have the opportunity to plan the application of strategies to their teaching context.

BACH5085

Clinical Teaching and Supervision

Credit points: 6 **Teacher/Coordinator:** Ms Victoria Neville **Session:** Semester 1 **Classes:** External/distance mode: independent learning package with WebCT support **Assumed knowledge:** Some knowledge of adult learning theory is useful **Assessment:** Assignment based (non-exam) **Campus:** Cumberland **Mode of delivery:** Distance Education

This unit of study is concerned with exploring current theory and best practice teaching and supervision in clinical settings. Participants will be expected to develop a critical and research-informed understanding of the clinical setting as a highly complex and specialised context for student learning. You will be introduced to the principles of roles and responsibilities of clinical educators/supervisors/teachers, styles and models of clinical supervision, clinical assessment, and other important issues. These issues include integrating theory into clinical practice, mentorship and preceptorship, managing difficult situations, reflections, etc. The teaching and learning experiences in this subject are structured to allow you the opportunity to learn and apply these principles to your own teaching contexts.

BACH5116

Building eLearning Contexts in Health

Credit points: 6 **Teacher/Coordinator:** Ms Victoria Neville **Session:** Semester 2 **Classes:** WebCT **Assumed knowledge:** Basic computer skills and some knowledge of adult learning theory would be useful **Assessment:** Assignment based (non exam) **Campus:** Cumberland **Mode of delivery:** On-line

Note: For staff only

In this unit of study, participants will be introduced to the research and theoretical literature, and evolving technologies in the field of eLearning. Participants will apply elements of best practice in their planning, development, and evaluation of an eLearning site appropriate for their own teaching context. On completion of this unit, participants should have created an eLearning site for their own context and justified their choice of appropriate eLearning features.

BACH5118

Learning in Groups

Credit points: 6 **Teacher/Coordinator:** Ms Fran Everingham **Session:** Semester 1 **Classes:** External/distance mode: independent learning package with WebCT and email support **Assessment:** Assignment based (non-exam) **Campus:** Cumberland **Mode of delivery:** Distance Education

This unit is concerned with working in groups and learning in groups and leadership. The focus is on group processes and the way in which we can facilitate these in an educational leadership role, or as a teacher, learner or participant in order to achieve effective learning and productive work related goals. The common core of knowledge for working effectively in these types of groups is group dynamics (how groups function). The unit does not directly address personal growth and therapeutic groups, or social support through groups other than the extent to which these may have a learning agenda. Participants discuss and critique the theoretical explanations of group processes and apply these to group functioning. Skills are developed in noticing and diagnosing aspects of group process. Participants work in interprofessional groups to undertake an online project and consideration of professional, indigenous and culturally diverse groups is essential. Some knowledge of adult learning theory is an advantage (readings are suggested).

Textbooks

Jaques D & Salmon G, Learning in Groups: A Handbook for Face-to-Face and Online Environments (4th ed), Routledge (2006)

BACH5151

Independent Investigation I

Credit points: 6 **Teacher/Coordinator:** Ms Fran Everingham **Session:** Semester 1 **Classes:** External distance mode: contract learning **Assumed knowledge:** Basic principles of adult learning and educational design are useful **Assessment:** Negotiated **Campus:** Cumberland **Mode of delivery:** Distance Education

In this unit, individual participants can pursue an in-depth study of an educational issue of their choice. This is a self-directed independent learning contract including the opportunity for negotiated assessment. Many students use this unit to undertake an extended critical review to inform an educational project or innovation in their workplace or to explore a research topic in preparation for higher degree study in the field of education. Prospective students must discuss their topic of interest with the unit coordinator prior to enrolling in this unit.

BACH5153

Assessment of Learning

Credit points: 6 **Teacher/Coordinator:** Ms Fran Everingham **Session:** Semester 1 **Classes:** External/distance mode: independent learning package with WebCT and email support **Assumed knowledge:** Knowledge of adult learning and educational design is useful **Assessment:** One online group assignment, one design report (non-exam) **Campus:** Cumberland **Mode of delivery:** Distance Education

Various educationalists point to the impact of assessment on student approaches to learning. Combined with concern to promote deep approaches are pragmatic mandates to reduce amount of assessment while ensuring quality in accreditation of competence in professional practice. These issues are examined against a backdrop of ensuring validity and reliability in both assessment and evaluation of learner development in any context. You will draw on contemporary research and best practice to design and critique assessment plans and protocols; support colleagues in the design of appropriate assessment and raise important issues for discussion; and learn to work effectively

in an interdisciplinary, multi-institutional and possibly cross-cultural team to tackle assessment issues of common concern.

Textbooks

Athanasou J & Lamprianou L, *The Teachers Guide to Assessment*, Social Science Press, Sydney (2002)

CISS6004

Disease and Security

Credit points: 6 **Session:** Semester 1 **Classes:** 3hrs per week **Assessment:** Participation; Research essay; Exam **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit assesses the political and security significance of infectious diseases. Whether one contemplates historical experiences with smallpox, plague and cholera, or the contemporary challenges posed by new diseases like HIV/AIDS and SARS, it is clear that pathogenic micro-organisms exercise a powerful influence over civilized humankind. The unit concentrates on areas in which human health and security concerns intersect most closely, including: biological weapons proliferation; responses to fast-moving disease outbreaks of natural origin; safety and security in microbiology laboratories; and the relationships between infectious disease patterns, public health capacity, state functioning and violent conflict. The overall aim of the unit is to provide students with a stronger understanding of the scientific and political nature of these problems, why and how they might threaten security, and the conceptual and empirical connections between them.

DENT5013

Preventative Dentistry

Credit points: 6 **Teacher/Coordinator:** Associate Professor Wendell Evans **Session:** Semester 2 **Classes:** 30hrs consisting of 10x(1hr lecture/seminar and 2hr tutorial) **Prerequisites:** (PUBH5010 and PUBH5018) or DENT6000 **Assessment:** individual written assignments (70%), tutorial discussion and group-work participation (30%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

To provide students with sufficient background and appreciation of the importance of preventive dentistry and oral health promotion and to provide them with the opportunity to develop skills and acquire essential knowledge in this field for the effective practice of population oral health. The following topics will be covered: principles of prevention; oral diseases and conditions of public health concern - a review; the epidemiology of the common oral problems; prevention of dental caries; prevention of periodontal disease; prevention of other diseases of oral health concern; evidence-based preventive dental care; principles of health education, health protection, and oral health promotion; and analysis of health education and oral health promotion initiatives. On the completion of this unit of study, the student will be able to: understand the efficacy and effectiveness of risk reduction strategies in relation to the common oral problems and conditions; select interventions and strategies for the prevention and control of oral disease and the promotion of oral health; and understand the limitations of health education and the potential for oral health improvement through effective oral health promotion strategies.

Textbooks

Fejerskov O, Ekstrand J, Burt BA (Editors) (1996). *Fluoride in dentistry*, 2nd edition. Copenhagen: Munksgaard.
Burt BA, Eklund SA. *Dentistry, dental practice, and the community*, 6th edition. St Louis Missouri: Elsevier Saunders, 2005.
Murray JJ, Nunn JH, Steele JG (Editors). *Prevention of oral disease*, 4th edition. Oxford: Oxford University Press, 2003.
Nutbeam D, Harris E. *Theory in a nutshell - A practical guide to health promotion theories*. Second edition. Sydney: McGraw-Hill, 2005.

DENT5014

Dental Health Services

Credit points: 6 **Teacher/Coordinator:** Associate Professor Peter Dennison **Session:** Semester 2 **Classes:** 30hrs consisting of 10x(1hr lecture/seminar and 2hr tutorial) **Assessment:** individual written assignments (70%), tutorial discussion and group-work participation (30%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

To provide students with sufficient background and appreciation of the role and scope of dental health services within health care and to provide them with the opportunity to develop skills and acquire

essential knowledge in this field for the effective practice of population oral health. The following topics will be covered: dental services in the twenty first century; the primary health care approach; assessment of the role of Western Dentistry (the limits of conventional dentistry); the limitations of a "high-risk" approach for the prevention of dental caries; the common risk factor approach: a rational basis for promoting oral health and strategies for developing oral health care programs in deprived communities; priorities in oral health care services; review of the Save our Kids Smiles program in New South Wales; the prevention of social inequalities in oral health; adult access to dental care in Australia; and ethnic indicators of dental health schoolchildren resident in areas of multiple deprivation. On the completion of this unit of study, students will be able to: understand the principles governing primary health care; understand the principles governing the delivery and management of dental services; and develop resources and implement and manage appropriate dental services for populations.

Textbooks

Pine CM (Editor). *Community oral health*. Oxford: Wright, 1997.
Murray JJ, Nunn JH, Steele JG (Editors). *Prevention of oral disease*, 4th edition. Oxford: Oxford University Press, 2003.

DENT5015

Population Oral Health

Credit points: 6 **Teacher/Coordinator:** Dr Shanti Sivanewaran **Session:** Semester 2 **Classes:** 30hrs consisting of 10x(1hr lecture/seminar and 2hr tutorial) **Prerequisites:** (PUBH5015 and PUBH5016) or (MIPH5131 and MIPH5132) **Assessment:** individual written assignments (70%), tutorial discussion and group-work participation (30%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

To provide students with sufficient background and appreciation of the importance of population oral health and to provide them with the opportunity to develop skills and acquire essential knowledge in this field for the effective practice of population oral health. The following topics will be covered: the oral health status of Australians - the changing profile; water fluoridation legislation, benefits/risks, the politics of fluoridation, the arguments for and against water fluoridation, how to respond to antifluoridationists; overview of policies and initiatives regarding dental services - the example of New South Wales; and dental workforce and dental services issues. On the completion of this unit of study, students will be able to: evaluate and monitor dental service delivery systems; plan and manage oral health programs for populations; understand the principles governing the development of resources, assets, and the workforce; understand the principles of health policy formulation and review, and the direction and financing of dental services and oral health promotion; understand the principles of economic evaluation; understand the regulations and legislation governing dental practice in New South Wales; design and understand the use of surveillance systems to monitor oral health; and communicate and collaborate with groups and individuals on oral health issues.

Textbooks

Burt BA, Eklund SA. *Dentistry, dental practice, and the community*, 6th edition. St Louis Missouri: Elsevier Saunders, 2005.
Cohen LK, Gift HC. *Disease Prevention and Oral Health Promotion*. Copenhagen: Munksgaard, 1995.
Murray JJ, Nunn JH, Steele JG (Editors). *Prevention of oral disease*, 4th edition. Oxford: Oxford University Press, 2003.

EDPA5013

Evaluation of Educational Programs

Credit points: 6 **Teacher/Coordinator:** Dr Kevin Laws **Session:** S1 Late Int, S2 Late Int, Semester 2 **Classes:** 13 wks x 2 hrs (lectures and tutorials) **Assessment:** a program logic model and a program evaluation **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Students undertaking the designated area of Educational Management and Leadership are expected to be able to implement policies and programs designed to bring about organisational change. This unit is designed to provide the necessary knowledge and skills to enable students to design, plan and implement an evaluation program and to provide an understanding of the major forms of program evaluation.

EDPB6013**Internationalisation of Education**

Credit points: 6 **Teacher/Coordinator:** Prof Anthony Welch **Session:** S1 Late Int, S2 Late Int, Semester 1, Semester 2 **Classes:** on-line **Assessment:** 500wd minor overview; 1200wd review essay; 1500wd minor essay; 2500wd special study project **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

Note: Department permission required for enrolment in the following sessions: S1 Late Int, S2 Late Int.

An investigation of major developments in internationalisation of education, at schooling, technical and further education, and higher education levels. Historical developments of internationalisation; contrasting interpretations and 20th century developments. Contemporary trend analysis including a detailed case study of a specific policy or program.

EDPC5015**Emerging IT and Educational Change**

This unit of study is not available in 2009

Credit points: 6 **Teacher/Coordinator:** Dr Peter Goodyear, Dr Chun Hu **Session:** Semester 1 **Classes:** 13 wks x 2 hrs **Assessment:** report (50%); group assignment (50%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

This unit provides a means by which students can explore the changing nature of teaching and learning practices in schools and other education and training environments. In particular, the potential role that technologies can play in both the design and delivery of teaching and learning environments is critically examined. As a result of this exploration students will develop a capacity to assess technology-based change, to provide strategic advice about the intended outcomes of change in technology-rich environments, and to develop and implement effective strategies for achieving change in learning and training organisations for the benefit of learners.

EDPC6018**Designing Computer Assisted Learning Env**

This unit of study is not available in 2009

Credit points: 6 **Teacher/Coordinator:** Dr Chun Hu **Session:** Semester 1 **Classes:** 13 wks x 2 hrs **Assessment:** essay and project **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

Cognitive perspectives on human learning are introduced as a basis for instructional design theory, the principles of which are demonstrated through practical examples. Students are asked to develop a model for technology-delivered instruction in a context familiar to them. A number of software packages and multimedia authoring environments and the paradigms they employ are demonstrated. These may include CD-ROM based learning materials, web authoring software, high level authoring tools or others with which some students may have experience. The objective is to introduce students to a wide range of technologies to which they may 'apply' their developing instructional models. No authoring is specifically taught.

EDPE5001**Learning, Knowing and Thinking**

Credit points: 6 **Teacher/Coordinator:** Dr Richard Walker **Session:** Semester 1 **Classes:** 13 wks x 2 hrs **Assessment:** Seminar paper and integrative review essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

A core unit of study which examines ways in which current understanding of cognitive processes related to learning, knowing and thinking may contribute to the design of learning experiences in varied settings. Consideration will be given to constructivist and generative approaches to learning and to schema theory approaches to facilitating knowledge development and problem-solving skills. Emphasis will be placed on the teaching of learning strategies, the development of metacognitive skills and the integration of domain knowledge and strategic knowledge. Issues of transfer of learning, patterns of student interaction in learning, creativity and the facilitation of self-regulation in the learner will be examined.

EDPE5011**Motivation for Learning**

Credit points: 6 **Teacher/Coordinator:** Dr Richard Walker **Session:** Semester 1 **Classes:** 13 wks x 2 hrs **Assessment:** seminar paper and integrative review essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

The major focus of this core unit centres on recent psychological study of motivational processes in the learner and on ways in which learning environments may be seen to foster student motivation for learning and thereby facilitate the attainment of desired learning objectives. The unit will consider the balance between intrinsic and extrinsic sources of motivation, teacher expectations and learner motivation, self-concept and self-system processes in learning and issues of success and failure and anxiety in learning settings. Emphasis will be placed on goal setting and feedback in establishing a facilitative learning environment, student interaction in cooperative learning and the development of motivational components of self-regulation in the learner.

EDPE6011**Learning and Individual Differences**

Credit points: 6 **Teacher/Coordinator:** Dr Richard Walker **Session:** Semester 2 **Classes:** 13 wks x 2 hrs **Assessment:** seminar paper and presentation essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit examines major areas of individual differences among learners and ways in which educational provision may be adapted to accommodate these differences in helping each student to achieve major learning outcomes. Consideration will be given to areas of cognitive and social-motivational differences, learning styles gender differences and differences between advantaged/disadvantaged groups to major components of programs designed to meet individual differences. Particular attention will be given to implications of research which (a) explores aptitude-treatment interactions, (b) elucidates the mediating processes involved in adaptive provisions and (c) evaluates outcomes of major forms of provision for individual differences.

EDPE6016**Adult Learning and Development**

Credit points: 6 **Teacher/Coordinator:** Dr Richard Walker **Session:** Semester 1 **Classes:** 13 wks x 2 hrs **Assessment:** seminar paper and presentation; and essay **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit examines selected issues relating to adult development and adult learning. Concepts of growth and decline are explored, particularly in relation to cognitive development, transitions in the workplace, within families, and in other social contexts. Considerations of adult learning focus on adult conceptions of learning, metacognition, and the nature of expertise. It considers contexts for adult learning, and concepts of self-directed and self-regulated learning.

EDPK5001**Qualitative Methods**

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Murray Print **Session:** Semester 1, Semester 2 **Classes:** 12 weeks x 2 hours **Assessment:** class exercises and report **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit introduces students to the major philosophical and theoretical cores underlying qualitative research. It examines the relationship between research questions and appropriate study designs, as well as the issues of sampling and ethical considerations. Students will develop skills in the use of various interviewing, observation and other ethnographic techniques.

EDPK5002**Quantitative Methods**

Credit points: 6 **Teacher/Coordinator:** Mrs Monica Wong **Session:** Semester 1 **Classes:** 12 wks x 2 hrs **Assessment:** portfolio of quantitative research methods (40%); research analysis using SPSS (40%); presentations (10%); and 2 multiple choice class tests (10%) **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit introduces students to the basic principles and procedures of quantitative research. Both experimental and survey research strategies are considered; starting with design and development of the research tools (measures, questionnaires, interviews, observation) and progressing to basic analytical statistical methods. The unit provides a thorough introduction to simple statistics and often looks at real research data examples. By the end of the semester students will have developed various research skills as well as a critical perspective on the appropriate application of those skills.

EDPK5003

Developing a Research Project

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Murray Print (semester 1); Prof Gabrielle Meagher (semester 2) **Session:** Semester 1, Semester 2 **Classes:** 12 wks x 2 hrs **Assessment:** weekly exercises, class presentation and research proposal **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This core unit is seen as the foundation unit in research methods and it provides an overview of the research process, with a focus on critical evaluation of research reports and the design of research projects. It covers a wide range of basic research techniques and introduces other research methods that are the focus of more in-depth study in other search methods units. Research design issues and various methods of data collection examined. Students explore the use of quantitative and qualitative approaches; various research strategies; observation, documents, questionnaires and assessments. The assessment in this unit is developed around students' own research interests and by the end of the unit students will have developed their own research proposal document.

EDPP5002

Enquiry in Teaching and Curriculum

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Janette Bobis **Session:** Semester 2 **Classes:** 13 wks x 2 hrs **Assessment:** 1000wd critical review (20%); seminar presentation(10%); 4000wd report on research (70%). **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This core unit examines research on current teaching and curriculum practices and will consider the implications of such research for teachers, schools and other learning organisations. It will explore and critique various approaches to researching curriculum practice including action research, narrative inquiry, survey and interview study. There will be opportunities for participants to research and report on their own practice.

EDPR5001

University Teaching and Learning

Credit points: 6 **Teacher/Coordinator:** Professor Keith Trigwell **Session:** Semester 1 **Classes:** Every fortnight - Fridays 1.30 - 4.30 p.m. See ITL website **Assessment:** Projects and reports, participation and learning journal **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit is one of two first semester units offered as part of a Graduate Certificate in Educational Studies (Higher Education) by the Institute for Teaching and Learning (ITL) through the Faculty of Education and Social Work. (The other first semester unit is EDPR5002 Reflections and Practice in University Teaching and Learning). The graduate certificate is specifically designed for university teachers seeking to develop a scholarly basis for their teaching practice and unit of study participants must be concurrently engaged in some form of university teaching. It aims to provide a broad introduction to teaching and learning in higher education. The unit is based upon a negotiated curriculum which seeks to develop participants' understanding of university teaching, learning, assessment and evaluation processes in the context of their own teaching. It will include an introduction to higher education teaching and learning principles and philosophy and to the components of a university curriculum. Please note that selection criteria may apply. Enquiries should be directed to the Institute for Teaching and Learning, ph. (02) 9351 3725 or e-mail itl@itl.usyd.edu.au. The website address is <http://www.itl.usyd.edu.au/itl/Gradcert>.

EDPR5002

Reflection & Practice in University T & L

Credit points: 6 **Teacher/Coordinator:** Professor Keith Trigwell **Session:** Semester 1 **Classes:** Every fortnight, Fridays 1:30-4:30 pm see ITL website **Assessment:** Completion of prior online learning task; attendance and participation in 3-day program; submission of regular reflections on practice and 500 wd reflective statement; participation in online peer review exercises **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study introduces university teaching staff to some basic principles in the discipline of higher education, based on current research into students' approaches to learning and the effect on that learning of what teachers do. Participants develop practical skills, carry out online interactions with professional peers, engage in ongoing reflection on their practice and begin to prepare themselves for the second semester units where there is an emphasis on the scholarship of teaching. Learning in this unit takes place parallel to and consistent with participants' learning within the other core unit for semester one, EDPR5001.

EDPR5003

Research Enhanced Teaching and Learning

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Simon Barrie **Session:** Semester 2 **Classes:** Five sessions - Fridays 1:30-4:30 pm check ITL website **Corequisites:** EDPR5011 **Assessment:** Learning journal; teaching philosophy statement; self and peer assessment schedule **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit aims to enhance your professional practice in relation to teaching and student learning by developing your understanding of the ways in which the practices of scholarly inquiry can inform and enhance it. You will be supported in, and encouraged to, map out a study program suited to your particular needs and context. This unit meshes with EDPR5011 Scholarship of University Teaching and Learning, providing opportunities for you to apply the learning in that unit to your own teaching and student learning. This unit will provide opportunities to deepen your understanding of teaching and learning in higher education and expand the skills you may need to continue to develop as a professional teacher in the higher education context. You are encouraged to complete EDPR5011 in the same semester that you enrol for this unit.

EDPR5011

Scholarship of Uni Teaching and Learning

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Simon Barrie **Session:** Semester 2 **Classes:** Five sessions - Fridays 1:30-4:30 pm check ITL website **Prerequisites:** EDPR5001 and EDPR5002 **Assessment:** project; participation; and learning journal **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit is one of two, second semester units offered as part of a Graduate Certificate in Educational Studies (Higher Education) by the Institute for Teaching and Learning through the Faculty of Education and Social Work. (The other second semester unit is EDPR5003 Research-enhanced teaching and learning.) The graduate certificate is specifically designed for university teachers seeking to develop a scholarly basis for their teaching practice and course participants must be concurrently engaged in some form of university teaching. The unit builds on and extends the work completed in the first semester, EDPR5001 University Teaching and Learning and EDPR5002 Reflection and Practice in University Teaching and Learning). The unit aims to encourage participants to further reflect on and improve their own teaching based on an understanding of the literature of the discipline of higher education. Participants in the unit will have the opportunity to explore a negotiated topic in higher education related to their professional activities as a university teacher, through a scholarly inquiry group project. The process of inquiry is supported by seminars, mentoring and peer review. Please note that selection criteria may apply.

EDPR6012

Developing Flexible Learning - Higher Ed

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Robert Ellis **Session:** Semester 2 **Classes:** Fridays 9-11 am **Assessment:** project report 1,500wd

(35%); reflection report and flexibly-supported learning activities 2,500wd (65%)
Campus: Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

This unit of study investigates theoretical and practical issues related to flexible learning environments for higher education. Participants will have the chance to consider their own teaching beliefs in relation to constructivist, socially-based and problem-solving approaches to learning, especially as they relate to technology-supported learning activities. Drawing on recently published and established research into flexibly-supported learning, participants will design, develop and evaluate flexibly-supported learning activities that are relevant to their own teaching and learning contexts. On completion of the unit, participants will be able to apply the knowledge and skills they have learned to new learning contexts.

GOVT6318

Crises, Disasters and Public Management

Credit points: 6 **Session:** Semester 2 **Classes:** 2 hours per week equivalent intensive **Assessment:** Case study, project, class assignment/test **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Crises and disasters encompass a range of phenomena. They include natural disasters (hurricanes, floods and tsunamis), terrorist bombings (Bali, New York, Madrid, London), corporate failures (Enron, Worldcom), threats to human and animal welfare (SARS, foot and mouth disease, BSE), critical incidents (rail crashes, aviation accidents, mass shootings), environmental degradation (rain forests, ozone layer), and policy failures (UK Poll Tax, Australian Wheat Board). Some of these are 'sudden' crises which arrive on agendas without warning, while others are 'creeping' crises - the build-up of many months and often years of problems. The common denominator is that they pose a threat to prevailing patterns of organisational, social, economic and political interaction. It is for this reason that governments and public authorities are at the forefront of dealing with crises and disasters. This unit focuses on the causes and consequences of crises and disasters, as well as the strengths and weakness of different public policy responses to managing these extraordinary phenomena. Teaching and learning is via a combination of lectures, seminars, role play workshops and video case studies.

HPSC4102

History of Science

Credit points: 6 **Teacher/Coordinator:** Ofer Gal **Session:** Semester 1, Semester 2 **Classes:** One 2 hour seminar per week. **Prerequisites:** Available only to students admitted to HPS Honours, Graduate Diploma in Science (History and Philosophy of Science) and Graduate Certificate in Science (History and Philosophy of Science), or by special permission. **Assessment:** Essays, seminar participation. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

This unit explores major episodes in the history of science as well as introducing students to historiographic methods. Special attention is paid to developing practical skills in the history and philosophy of science.

Textbooks
 Course reader

HPSC4103

Sociology of Science

Credit points: 6 **Teacher/Coordinator:** Dr Hans Pols **Session:** Semester 2 **Classes:** One 2 hour seminar per week, individual consultation. **Prerequisites:** Available only to students admitted to HPS Honours, Graduate Diploma in Science (History and Philosophy of Science) and Graduate Certificate in Science (History and Philosophy of Science), or by special permission. **Assessment:** Essays, fieldwork report, seminar participation mark. **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

Note: Department permission required for enrolment.

This unit explores recent approaches in the social studies of scientific knowledge. Students evaluate various sociological approaches by conducting their own research on topics relevant to their own major thesis.

The unit starts with an overview of the development of history and philosophy of science since 1945, to put the emergence of the sociology of science into perspective, before moving on to a selection of readings from the field. Topics will include: the strong program critique of traditional philosophy of science, the sociology of technology, the impact of feminism on the study of science, and the actor-network approach developed by Bruno Latour and Michel Callon.

Textbooks
 Course reader

LAWS6252

Legal Reasoning & the Common Law System

Credit points: 6 **Teacher/Coordinator:** Prof Terry Carney (S1 Intensive - Group A), Dr Thalia Anthony (S1 Late Int - Group B), TBA (S2 Intensive - Group C) **Session:** S1 Intensive, S1 Late IntB, S2 Late IntA **Classes:** block/intensive **Prohibitions:** LAWS6881 **Assessment:** compulsory attendance/completion of workshops, 2x2500wd assignments (50% each) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Note: International candidates must enrol in the Week 1 intensive session of their first semester of study.

This is a compulsory unit for all postgraduate candidates who do not hold a degree in law entering the: Master of Administrative Law and Policy; Master of Environmental Law; Master of Environmental Science and Law; Master of Health Law; Master of International Business and Law; Master of Labour Law and Relations as well as Graduate Diplomas offered in these programs.

The unit has been designed to equip candidates with the necessary legal skills and legal knowledge to competently apply themselves in their chosen area of law. Instruction will cover the legislative process; the judiciary and specialist tribunals; precedent; court hierarchies; legal reasoning; constitutional law; administrative law; contracts; and torts. Some elements of the unit will be tailored in accordance with the requirements of the particular specialist programs.

LAWS6839

Critical Issues in Public Health Law

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Roger Magnusson **Session:** S2 Intensive **Classes:** block/intensive **Assessment:** compulsory classwork (20%) and 1x3500wd essay (40%) or 1xassignment (40%) and 1x take-home exam (40%) or 1x3500wd essay (40%) and 1x assignment (40%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Note: Compulsory for GradDipPubHL candidates. MHL candidates may select this unit as one of the three compulsory units required in addition to LAWS6252 or LAWS6881.

How does law contribute to public health? This unit explores the role of law as a tool for protecting the public's health, responding to public health risks and implementing strategies designed to promote public health. It provides a foundation for further study in public health law, by clarifying the sources of public health law, the strategies that law can adopt, and debates about the proper role of law in protecting public health. The unit also provides a review of law's role within a number of critical areas, including: acute public health threats (focus on SARS, and bioterrorism); sexual health and STIs; and tobacco control. The unit also provides illustrations of the legal environment of public health practice and policy-making (through a case study on iatrogenic transmission of blood-borne viruses, and look-backs). Throughout the unit, candidates will be trained to identify legal issues, to apply the law to policy tasks and public health issues, and to critically evaluate the success of the strategies law adopts to protect and promote public health. Candidates will also explore the tension between the public interest in protecting health, and competing public and private interests. Candidates wishing to extend their knowledge of public health law may enrol in the companion unit, New Directions in Public Health Law and Policy. These units comprise a core program in public health law.

Textbooks
 Useful references: Christopher Reynolds, Public Health Law and Regulation, Federation Press, 2004 [Australia focus] and Lawrence O. Gostin, Public Health Law: Power, Duty, Restraint, University of California Press, 2000 [US focus]. Issued materials will be ready for collection 4 weeks before the introductory class.

LAWS6848**New Directions in Public Health Law**

Credit points: 6 **Teacher/Coordinator:** Assoc Prof Roger Magnusson
Session: S1 Intensive **Classes:** block/intensive mode **Assessment:** compulsory classwork (20%) and 1x6000wd research paper (80%) or take-home exam (80%) **Campus:** Camperdown/Darlington **Mode of delivery:** Block Mode

Note: compulsory for GradDipPubHL candidates

Can the law improve public health? If so, how does it do this, and to what extent should we let it? This unit aims to deepen candidates' appreciation of the role and possibilities of law as an instrument of policy designed to protect and promote public health. In particular, this unit will examine the contribution law is making (and could make) through novel forms of regulation, in areas where law's presence is contested, and where the public health challenge that law responds to is novel, unique, or an emerging one. Key topics include: the limits of law's role in promoting human health; future prospects for tobacco control; the obesity epidemic; healthy environments; regulating alcohol; and the role of law and policy in responding to new epidemics (with a focus on Creutzfeldt Jakob Disease (CJD), and vCJD (the human form of "mad cow's disease"). If time permits, the unit will briefly consider future themes in public health law, including the intersection between genetics and public health, and future priorities for global health governance.

Throughout the unit, candidates will be encouraged to critically evaluate the success of the strategies law adopts to protect and promote public health, to explore new strategies that law might adopt, and to reflect on the tension between the public interest in protecting health, and competing interests.

Textbooks

Useful references include: 1) Christopher Reynolds, *Public Health Law and Regulation*, Federation Press, 2004 [Australia focus] and 2) Lawrence O. Gostin,

Public Health Law: Power, Duty, Restraint, University of California Press, 2000 [US focus]

PSYC5011**Applying Models of Health Behaviour**

Credit points: 6 **Session:** Semester 2 **Classes:** 1 one hour lecture and two hours of tutorials per week **Assessment:** Presentation of intervention, write up of intervention **Campus:** Camperdown/Darlington **Mode of delivery:** Normal (lecture/lab/tutorial) Day

The student will be given the opportunity to develop an intervention based on social cognitions models. The process can be followed from start to finish allowing the individual to utilise knowledge and skills gained in other units of study. It is an intended outcome for students enrolled in the MAppSc (HealthPsych) that students can demonstrate an understanding of the key models and theories in Health Psychology which are seen by many to be the foundations of the subject area. The aim of this unit of study is to allow students to identify an area of Health Psychology where an intervention would be appropriate, review existing literature on the topic, formulate the intervention, and evaluate the intervention on a pilot level.

SCWK6944**Death, Dying and Mourning**

Credit points: 6 **Teacher/Coordinator:** Dr Lindsey Napier **Session:** Semester 1 **Classes:** on-line **Assessment:** presentation and essay **Campus:** Camperdown/Darlington **Mode of delivery:** On-line

The purpose of this unit of study is to introduce students to the various, often competing discourses both constituting and challenging notions of self around death, dying and mourning. An important focus is sociological approaches to these issues as they reflect broader cultural understanding of such issues as community relations and continuity, sex and sexuality, disease, stigma and social control.

The Sydney Summer and Winter Schools

2009	Dates
Summer School	December 2008 to February 2009
Winter School	29 June to 25 July 2009

The Summer School

The Summer School is a full fee-paying, intensive program offering high quality undergraduate and postgraduate subjects from nine faculties. These subjects are the same as those offered in Semesters One and Two, but are taught as an intensive program over summer.

Some classes commence in December; others commence in the first week of January; others in the third week and continue into February (including the exam week). Some subjects run for six weeks; others are shorter. Students can take a maximum of two subjects.

The Winter School

The Winter School is a smaller, more intensive program that runs for four weeks, including the exam week, during July.

Advantages

Attending classes at Sydney University during Summer and Winter School offers many advantages. You can:

- accelerate your academic career and finish your degree sooner
- devote your full attention to a single area of study
- take subjects that are outside your normal degree
- reduce your workload throughout the rest of the year
- repeat subjects in which you may have been unsuccessful
- combine study with a field trip in Australia or a tour overseas.

High school graduates can sample a university subject, and get an early start on their degree.

How to apply

Applications are only accepted online at www.summer.usyd.edu.au. Most subjects have limited places and fill very quickly. All places are filled strictly on a first-in, first-served basis so it is recommended that you apply early.

Applications open on:

- 29 September 2008 (Summer School)
- 25 May 2009 (Winter School)

Applications close:
28 November 2008 (Session 1, Summer December)
12 December 2008 (Session 2, Summer Main)
9 January 2009 (Session 3, Summer Late)
12 June 2009 (Winter School)

Late application fees may apply after these dates.

Census dates

Students can withdraw from their subject without academic penalty and receive a full refund until the census date (based on when the class commences). However, a late withdrawal fee may apply.

There is one census date for the Winter School, and three for the Summer School, as classes start between December and February.

ID	Session name	Classes begin	Census date
42*	Summer December	8 December 2008	2 January 2009
43	Summer Main	5 January 2009	9 January 2009
44**	Summer Late	19 January 2009	5 February 2009
11	Winter School	29 June 2009	3 July 2009

* 42 Summer December: Allows for a unit to run for 3-9 weeks, provided that the 20 per cent criterion is met.

** 44 Summer Late: Last exam must be held by 1 March.

Withdrawal and refund policy

- For Summer School classes starting in **December 2008**, students who withdraw from a subject between 29 November 2008 and the relevant census date will receive a refund of tuition fees but will be liable for a \$500 late withdrawal fee.
- For Summer School classes starting in **January 2009**, students who withdraw from a subject between 13 December 2008 and the relevant census date will receive a refund of tuition fees but will be liable for a \$500 late withdrawal fee.
- For Winter School classes starting on **29 June 2009**, students who withdraw from a subject between 27 June 2009 and the relevant census date will receive a refund of their tuition fees but will be liable for a \$500 late fee withdrawal.

Students may withdraw from their Summer or Winter School subject(s) up until 4pm on the last day of the teaching period for that particular subject. However, there may be an academic penalty (please refer to our website). The teaching period for purposes of this policy is defined in hours of published classes from the first day through to the last day of classes, excluding any final examination or assessment.

Students who withdraw from a subject after 4pm on the relevant census date will receive no refund of their tuition fee.

Transferring between subjects

Students on a waiting list can transfer between subjects at any time prior to the commencement of class. For all other students, transfers should be completed a week before classes commence. **No** transfers will be allowed after commencement of the class.

Summer and Winter School scholarships

Merit scholarships

Three undergraduate merit scholarships and one postgraduate merit scholarship are available. These are automatically awarded to the top four students in their respective faculty (Arts, Science, or Economics and Business) for their Summer School subject.

Educational/Financial Disadvantage scholarships

Full Summer School scholarships are available to local undergraduate students who have a good academic record. To be eligible for consideration you will need to provide evidence of long-term and serious educational disadvantage based on two or more criteria, one of which must be financial hardship. Please check our website for further details. Scholarship applications close on 31 October 2008 (Summer School), and 10 June 2009 (Winter School).

For more information

Website: www.summer.usyd.edu.au

Email: info@summer.usyd.edu.au

Phone: +61 2 9351 5542 Fax: +61 2 9351 5888



General University information

For further information or advice, please call our toll-free helpline on **1300 362 006**.

This section includes information on the following:

Academic progression
 Accommodation Service
 Admissions Office
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 Student Administration and Support
 Student Centre
 Student identity cards
 Sydney Summer School
 Sydney Student Development
 Sydney Welcome Orientation and Transition Program (SWOT)
 The University of Sydney Foundation Program (USFP)
 Timetabling Unit
 University Health Service

Academic progression

The University requires students to maintain a minimum rate of progression throughout their candidature. Any student who does not satisfy progression requirements for their degree will be placed on a monitored academic progression program. This program requires students to consult an academic adviser in their faculty, to attend a support services information session, and fill in a survey. Students will be advised of the requirements of the program by their faculty.

Students who do not sustain the minimum academic progression requirements may be asked to show cause as to why they should not be excluded from their degree. For further information, please see www.usyd.edu.au/secretariat/students.

Student Affairs, Registrar's Division
 Quadrangle, A14
 The University of Sydney
 NSW 2006 Australia

Phone: +61 2 9351 3183
 Fax: +61 2 9351 3572
 Email: appeals@secretariat.usyd.edu.au

Accommodation Service

This service maintains an extensive database of off-campus accommodation, including shared, full-board and rental properties. Current students can access the online database through the accommodation website or MyUni student portal (myuni.usyd.edu.au).

Level 5, Jane Foss Russell Building, G02
 The University of Sydney
 NSW 2006 Australia

Phone: +61 2 9351 3312
 Fax: +61 2 9351 8262
 Email: accomm@stuserv.usyd.edu.au
 Website: www.usyd.edu.au/stuserv/accommodation

Admissions Office

The Admissions Office, located in the Student Centre, is responsible for overseeing the distribution of offers to undergraduate applicants through the Universities Admission Centre (UAC). They can advise prospective local undergraduate students on admission requirements. Postgraduate students should contact the appropriate faculty.

- If you are an Australian citizen, or permanent resident with qualifications from a non-Australian institution, you can get more information by phoning +61 2 9351 4118.
- For enquiries regarding special admissions (including mature-age entry), phone +61 2 9351 3615.
- Applicants without Australian citizenship or permanent residency should contact the International Office.

Admissions Office, Student Centre
 Level 3, Jane Foss Russell Building, G02
 The University of Sydney
 NSW 2006 Australia

Phone: +61 2 9351 4117 or +61 2 9351 4118
 Fax: +61 2 9351 4869
 Email: admissions@records.usyd.edu.au
 Website: www.usyd.edu.au/studentcentre/admissions



Applying for a course

Domestic applicants for undergraduate courses and programs of study

For the purpose of admission and enrolment, 'domestic applicant' refers to citizens and permanent residents of Australia and citizens of New Zealand. If you are in this group and wish to apply for admission to an undergraduate course, you would generally apply through the Universities Admissions Centre (UAC).

The deadline for applications is the last working day in September in the year before enrolment. For more information see www.uac.edu.au.

Some faculties have additional application procedures, such as the Conservatorium of Music, Sydney College of the Arts and Pharmacy.

Domestic applicants for postgraduate courses and programs of study

For the purpose of admission and enrolment, 'domestic applicant' refers to citizens and permanent residents of Australia and citizens of New Zealand. Application is direct to the faculty which offers the course that you are interested in. Application forms for postgraduate coursework, postgraduate research and the master's qualifying or preliminary program and for non-award postgraduate study can be found at www.usyd.edu.au/studentcentre.

Note: some faculties use their own specially tailored application forms for admission into their courses. Check with the relevant faculty.

International applicants for all course types (undergraduate and postgraduate)

'International applicants' refers to all applicants other than Australian citizens, Australian permanent residents and citizens of New Zealand. In the majority of cases international applicants apply for admission through the University's International Office (IO). All the information international applicants need, including application forms, is available from the IO website (www.usyd.edu.au/internationaloffice).

Attendance

In cases of illness or misadventure, students should complete an *Application for Special Consideration* form, accompanied by relevant documentation, such as medical certificates, and submit it to the relevant faculty office.

The forms are available at faculty offices, the Student Centre, and online at www.usyd.edu.au/studentcentre/forms.shtml.

Exemption from re-attendance

Although you may have attended certain lectures or practical classes before, exemption from re-attendance is granted only in exceptional circumstances. In any case, you are required to enrol in all units of study in which you propose to take examinations, whether or not you have been granted leave of absence (or exemption) from re-attendance at lectures and/or practical work. To obtain exemption from re-attendance, apply at your faculty office.

Bus service

A free bus service operates to, from and around Camperdown and Darlington campuses each weekday that Fisher Library is open (except for public holidays). The service commences at 4.15pm and concludes at Fisher Library closing time.

Two buses operate along the route, starting at Fisher Library and finishing at Redfern station. The buses leave at approximately 10 minute intervals during semester and in semester breaks.

The bus timetable/route guide can be collected from Security Administration or Campus Infrastructure Services reception.

Floor 2, Services Building G12
Corner of Codrington and Abercrombie Streets
Darlington Campus

The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 4753
Fax: +61 2 9351 5699
Website: www.security.usyd.edu.au

Campuses

The University has ten different teaching campuses, located throughout the Sydney area. For information on each campus, including maps, contact details and parking information, see www.usyd.edu.au/about/campus/pub/campus.shtml.

Campus	Faculties
Camperdown and Darlington campuses	Faculty of Arts Faculty of Architecture, Design and Planning Faculty of Agriculture, Food and Natural Resources Faculty of Economics and Business Faculty of Education and Social Work Faculty of Engineering and Information Technologies Faculty of Medicine Faculty of Pharmacy Faculty of Science Faculty of Veterinary Science The Sydney Summer School
Cumberland Campus	Faculty of Health Sciences
St James Campus	Faculty of Law
Mallett Street Campus	Faculty of Nursing and Midwifery The Centre for English Teaching The NHMRC Clinical Trials Centre
Sydney Conservatorium of Music	The Sydney Conservatorium of Music
Sydney College of the Arts	Sydney College of the Arts (SCA)
Camden Campus	Faculty of Veterinary Science Faculty of Agriculture, Food and Natural Resources
Surry Hills Campus	Faculty of Dentistry
Burren Street Campus	Institute of Transport and Logistics Studies

Careers Centre

The University's Careers Centre can provide you with assistance if you are not sure of your career path, and help you to find both casual and career-related employment.

The Careers Centre provides a range of free and accessible services for students, including:

- help in finding casual and part-time work
- finding career-related work experience and graduate employment
- an internet vacancy database
- individual careers advice and counselling, by appointment
- comprehensive library and online resources
- workshops in resume writing, interview skills, and job searching
- careers fairs, employer presentations and talks.

Careers Centre
Jane Foss Russell Building, G02
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 3481
Fax: +61 2 9351 5134
Email: careers.information@usyd.edu.au
Website: www.careers.usyd.edu.au

Centre for Continuing Education (CCE)

The CCE provides the community with the opportunity to engage with the University of Sydney, offering people access to the academic expertise of one of Australia's finest educational institutions.

As a community leader, the CCE provides lifelong learning opportunities for people at all stages of life who want to undertake a course in self-enrichment, engage in active retirement learning,

upgrade their professional skills and qualifications, or bridge a gap between previous study and university. CCE offers short courses in all areas of the Humanities and Social Sciences, Languages, Science and Technology, Business and Management, and Continuing Professional Development.

160 Missenden Road
Newtown NSW 2042

Postal address:
Locked Bag 2020
Glebe NSW 2037

Phone: +61 2 9036 4789
Fax: +61 2 9036 4799
Email: cce.info@usyd.edu.au
Website: www.cce.usyd.edu.au

Centre for English Teaching (CET)

The CET offers English language and academic study skills programs to international students who need to develop their English language skills in order to meet academic entry requirements.

Wentworth Building, G01
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9036 7900
Fax: +61 2 9036 7910
Email: info@cet.usyd.edu.au
Website: www.usyd.edu.au/cet

Child Care Information Office

The Child Care Information Office has information for parents who are students and staff of the University, about child care centres, vacation and occasional care. For more details, see the child care website, via the MyUni student portal (myuni.usyd.edu.au) or the Services for Students website (www.usyd.edu.au/stuserv).

Child Care Information Office
Level 5, Jane Foss Russell Building, G02
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 5667
Fax: +61 2 9351 7055
Email: childc@stuserv.usyd.edu.au
Website: www.usyd.edu.au/childcare

The Co-op Bookshop

The Co-op Bookshop is a one-stop store for:

- textbooks
- general books
- reference books
- University of Sydney clothing and memorabilia
- DVDs
- flash drives
- software at academic prices

Take advantage of a lifetime of membership benefits. For a one-time joining fee of \$20, you are entitled to great member pricing, promotional offers and much more.

The Co-op Bookshop
Sports and Aquatic Centre Building, G09
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 3705
Fax: +61 2 9660 5256
Email: sydu@coop-bookshop.com.au
Website: www.coop-bookshop.com.au

Counselling Service

The Counselling Service aims to help students fulfil their academic, individual and social goals, by providing short-term, problem-focused counselling to promote psychological wellbeing and help students develop effective and realistic coping strategies. International students can access counselling assistance through the International Student Support Unit (ISSU).

Each semester the Counselling Service runs a program of workshops which are designed to help students master essential study and life management skills. These are open to all local and international students. Phone to make an appointment. Daily walk-in appointments are also available between 11am and 3pm.

For details of workshops, activities and online resources, see the Counselling Service website via the MyUni portal (myuni.usyd.edu.au) or the Services for Students website (www.usyd.edu.au/stuserv).

Camperdown and Darlington campuses

Level 5, Jane Foss Russell Building, G02
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 2228
Fax: +61 2 9351 7055
Email: counsell@stuserv.usyd.edu.au
Website: www.usyd.edu.au/counsel

Cumberland Campus

Ground Floor, A Block, C42
The University of Sydney
East Street, Lidcombe
NSW 2141 Australia

Phone: +61 2 9351 9638
Fax: +61 2 9351 9635
Email: CS.Cumberland@stuserv.usyd.edu.au

Disability Services

Disability Services is the principal point of contact for advice on assistance available for students with disabilities. Students need to register to receive support and assistance. Disability Services works closely with academic and administrative staff to ensure that students receive reasonable accommodation in their areas of study.

Assistance includes note taking, interpreters, and negotiation with academic staff regarding assessment and course-requirement modifications where appropriate. For details on registering, including required documentation and online resources, see the Disability Services' website via the MyUni student portal (myuni.usyd.edu.au) or the Services for Students website (www.usyd.edu.au/stuserv).

Camperdown and Darlington campuses

Level 5, Jane Foss Russell Building, G02
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 7040
Fax: +61 2 9351 3320
TTY: +61 2 9351 3412
Email: disserv@stuserv.usyd.edu.au
Website: www.usyd.edu.au/disability

Cumberland Campus

Ground Floor, A Block, C42
The University of Sydney
East Street, Lidcombe
NSW 2141 Australia

Phone: +61 2 9351 9638
Fax: +61 2 9351 9635
Email: DS.Cumberland@stuserv.usyd.edu.au

Employment opportunities for students

See 'Sydney Student Development'.

Enrolment

Domestic and international students entering their first year via UAC

Details of enrolment procedures will be sent to students with their UAC offer of enrolment. Enrolment takes place during the last week of January or in February for the later offer rounds.

Domestic and international students entering their first year via a direct offer from the University

Details of the enrolment procedures will be sent to students with their University offer of enrolment. Enrolment takes place during the first two weeks of February.

All continuing domestic and international students

A pre-enrolment package is sent to all enrolled students in late September and contains instructions on the procedure for web-based pre-enrolment.

Environmental Policy

The University of Sydney's Environmental Policy promotes sustainable resource and product use and encourages the practice of environmental stewardship by staff and students. The policy is supported by the University-wide Sustainable Campus Program. Enquiries can be directed to:

Manager, Campus Sustainability
Phone: +61 2 9036 5441
Email: sustainable@usyd.edu.au

Visit the website www.usyd.edu.au/sustainable to find out what the University is doing, and learn how you can get involved, make suggestions or receive the Sustainable Campus Newsletter.

Equity Support Services

Equity Support Services, located within Student Administration and Support, brings together a number of student support services that produce practical assistance and information to help students meet their academic and personal goals while at University.

Services include the Accommodation Service, Casual Employment Service, Child Care Information Office, Disability Services and the Financial Assistance Office.

More information is available through the MyUni student portal (myuni.usyd.edu.au) or the Services for Students website (www.usyd.edu.au/stuserv).

Examinations

Most examinations are facilitated primarily through the Examinations Office. However, some faculties arrange and conduct their own examinations.

Information and timetables on examinations can be located by searching the University's website. For more details, contact the Examinations Office.

Student Centre
Level 3, Jane Foss Russell Building, G02
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 4005 or +61 2 9351 4006
Fax: +61 2 9351 7330
Email: exams.office@exams.usyd.edu.au

Fees

The Fees Office provides information on where and how to pay fees, and how to find out if payments have been received. The office can also provide information on obtaining a refund for fee payments. More details are available on the website (listed below).

Fees Office
Margaret Telfer Building, K07
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 5222
Fax: +61 2 9114 0556
Email: feespay@usyd.edu.au
Website: www.finance.usyd.edu.au/revenue_income/fees.shtml
Office hours: 9am to 4.30pm, Monday to Friday

Financial Assistance Office

The University of Sydney has a number of loan and bursary funds to assist students experiencing financial difficulties. Loan assistance is available for undergraduate and postgraduate students enrolled in degree and diploma courses at the University.

The assistance is not intended to provide the principle means of support but to help enrolled students in financial need with expenses such as housing bonds and rent, phone and electricity bills, medical expenses, and buying textbooks and course equipment.

Loans are interest-free and are usually repayable within one year. Bursaries may be awarded depending on financial need and academic merit and are usually only available to local full-time undergraduate students. Advertised bursaries, including first-year bursaries, are advertised through the MyUni student portal in January each year.

For details of types of assistance and online resources provided by the service see the Financial Assistance website via the MyUni student portal (myuni.usyd.edu.au) or the Services for Students website (www.usyd.edu.au/stuserv).

Level 5, Jane Foss Russell Building, G02
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 2416
Fax: +61 2 9351 7055
Email: fao@stuserv.usyd.edu.au
Website: www.usyd.edu.au/fin_assist

Freedom of Information

The University of Sydney falls within the jurisdiction of the *NSW Freedom of Information Act 1989*. The Act:

- requires information concerning documents held by the University to be made available to the public
- enables a member of the public to obtain access to documents held by the University; and
- enables a member of the public to ensure that records held by the University concerning his or her personal affairs are not incomplete, incorrect, out of date or misleading.

A 'member of the public' includes staff and students of the University.

It is a requirement of the Act that applications be processed and a determination made within a specified time period, generally 21 days. Determinations are made by the University's Registrar.

While an application may be made to access University documents, some may not be released in accordance with particular exemptions provided by the Act. There are review and appeal mechanisms which apply when access has been refused.

The University is required to report to the public on its freedom of information activities on a regular basis and to produce two documents: a *Statement of Affairs* (annually) and a *Summary of Affairs* (every six months).

The *Statement of Affairs* contains information about the University, its structure, function and the kinds of documents held. The *Summary of Affairs* identifies the University's policy documents and provides information on how to make an application for access to University documents. More information and copies of the reports can be found at www.usyd.edu.au/arms/info_freedom.

Graduations Office

The Graduations Office is responsible for organising graduation ceremonies and informing students of their graduation arrangements.

Student Centre
Level 3, Jane Foss Russell Building, G02
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 3199 or +61 2 9351 4009
Protocol enquiries: +61 2 9351 4612
Fax: +61 2 9351 5072

Grievances and appeals

You may consider that a decision affecting your candidature for a degree or other activities at the University has not taken into account all relevant matters. In some cases the by-laws or resolutions of the Senate provide for a right of appeal against particular decisions. For example, there is provision for appeal against academic decisions, disciplinary decisions and exclusion after failure.

A document outlining the current procedures for appeals against academic decisions is available at the Student Centre, the Student Representative Council, and on the Policy Online website (www.usyd.edu.au/policy (click on 'Study at the University', then 'Appeals' – see the Academic Board and Senate resolutions).

For assistance or advice regarding an appeal contact:

Undergraduates

Students' Representative Council
Level 1, Wentworth Building, G01
The University of Sydney
NSW 2006 Australia
Phone: +61 2 9660 5222

Postgraduates

Sydney University Postgraduate Representative Association (SUPRA)
Corner of Raglan and Abercrombie Streets
The University of Sydney
NSW 2006 Australia
Phone: +61 2 9351 3115

HECS and Fees Office

Student Centre
Level 3, Jane Foss Russell Building, G02
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 5659
Fax: +61 2 9036 6111
Email: hecs.fees@records.usyd.edu.au

Information and Communications Technology (ICT)

See 'Service Management, Information and Communications Technology'.

International Office

The International Office helps international students with application, admission and enrolment procedures. The International Office has units responsible for international marketing, government and student relations, international scholarships (including AusAID scholarships and administrative support for international financial aid programs), and compliance with government regulations relating to international students.

The Study Abroad and Student Exchange units assist both domestic and international students who wish to enrol for study abroad or exchange programs.

International Office

Services Building, G12
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 4079
Fax: +61 2 9351 4013
Email: info@io.usyd.edu.au
Website: www.usyd.edu.au/internationaloffice

Study Abroad

Phone: +61 2 9351 3699
Fax: +61 2 9351 2795
Email: studyabroad@io.usyd.edu.au
Website: www.usyd.edu.au/studyabroad

Student Exchange

Phone: +61 2 9351 3699
Fax: +61 2 9351 2795
Email: exchange@io.usyd.edu.au
Website: www.usyd.edu.au/studentexchange

International Student Support Unit (ISSU)

The ISSU helps international students through the provision of orientation, counselling and welfare services to both students and their families. ISSU aims to help international students cope successfully with the challenges of living and studying in an unfamiliar culture, to achieve success in their studies and to make the experience of being an international student rewarding and enjoyable.

For details of orientation activities, counselling and welfare services provided to both students and their families and online resources, see the MyUni student portal (myuni.usyd.edu.au) or the Services for Students website (www.usyd.edu.au/stuserv). International students also have access to all University student support services.

Camperdown and Darlington campuses

Level 5, Jane Foss Russell Building, G02
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 4749
Fax: +61 2 9351 6818
Email: info@issu.usyd.edu.au
Website: www.usyd.edu.au/issu

Cumberland Campus

Ground Floor, A Block, Cumberland Campus, C42
The University of Sydney
East Street, Lidcombe
NSW 2141 Australia

Phone: +61 2 9351 9638
Fax: +61 2 9351 9635
Email: ISSU.Cumberland@stuserv.usyd.edu.au
Website: www.usyd.edu.au/issu

Koori Centre and Yooroang Garang

The Koori Centre and Yooroang Garang support Aboriginal and Torres Strait Islander people in all aspects of tertiary education at the University of Sydney. The Cadigal Special Entry Program assists Indigenous Australians to enter undergraduate study across all areas of the University.

As well as delivering block-mode courses for Indigenous Australian students, the Koori Centre teaches Indigenous Australian Studies in various faculties across mainstream courses. The Koori Centre also provides tutorial assistance, and student facilities including a computer lab, indigenous research library and study rooms for Indigenous Australian students at the University.

In particular, the Koori Centre aims to increase the successful participation of Indigenous Australians in undergraduate and postgraduate degrees, develop the teaching of Aboriginal studies, conduct research in the field of Aboriginal education, and establish working ties with schools and communities.

The Koori Centre works in close collaboration with Yooroang Garang, School of Indigenous Health Studies in the Faculty of Health Sciences at the Cumberland Campus. Yooroang Garang provides assistance, advice and academic support for Indigenous students in the faculty, as well as preparatory undergraduate and postgraduate courses.

Koori Centre

Ground Floor, Old Teachers College, A22
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 2046 (general enquiries)
Toll-free within Australia: 1800 622 742
Community Liaison Officer: +61 2 9351 7003
Fax: +61 2 9351 6923
Email: koori@koori.usyd.edu.au
Website: www.koori.usyd.edu.au

Yooroang Garang

T Block, Level 4, Cumberland Campus, C42
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 9393
Toll free: 1800 000 418
Fax: +61 2 9351 9400
Email: yginfo@fhs.usyd.edu.au
Website: www.yg.fhs.usyd.edu.au

Learning Centre

The Learning Centre helps students develop the generic learning and communication skills that are necessary for university study and beyond. The centre is committed to helping students achieve their academic potential during their undergraduate and postgraduate studies.

Learning Centre staff can be found at the Camperdown, Darlington and Cumberland campuses. The centre's program includes a wide range of workshops on study skills, academic reading and writing, oral communication skills and postgraduate writing and research skills. Other services include an individual learning program, a faculty-based program and access to online and print-based learning resources.

For details of programs, activities and online resources available from the Learning Centre, see its website via the MyUni student portal (myuni.usyd.edu.au) or the Services for Students website (www.usyd.edu.au/stuserv).

Camperdown and Darlington campuses

Level 7, Education Building, A35
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 3853
Fax: +61 2 9351 4865
Email: lc@stuserv.usyd.edu.au
Website: www.usyd.edu.au/lc

Cumberland Campus

Ground Floor, A Block, C42
The University of Sydney
East Street, Lidcombe
NSW 2141 Australia

Phone: +61 2 9351 9638
Fax: +61 2 9351 9635
Email: LC.Cumberland@stuserv.usyd.edu.au
Website: www.usyd.edu.au/stuserv/learning_centre/cumberl.shtml

Library

The University of Sydney Library provides services via a network of 14 libraries on 10 campuses, and online at www.library.usyd.edu.au.

The location, opening hours and specific subject focus of each library is listed on the website. Over 5.5 million items are available via the library catalogue, including more than 67,000 online journals and 325,000 online books.

Enrolled students are entitled to borrow from any of the University libraries. Reading list books and articles are available via the reserve service either online or in print. Past examination papers are also available online.

Library facilities include individual and group study spaces, computers, printers, multimedia equipment, photocopiers and adaptive technologies. Refer to the 'Libraries' link on the University website to find out about services and facilities in specific libraries.

Library staff are available in every library to support students with their study and research. Faculty liaison librarians assist students to find great information on any topic and provide training in using a wide range of resources. For contact details of faculty liaison librarians, see www.library.usyd.edu.au/contacts/subjectcontacts.html. It is also possible to learn research and information skills online; see www.library.usyd.edu.au/skills.

Comments and suggestions about library services are welcome.

The University of Sydney Library, F03
Camperdown Campus
NSW 2006 Australia

Phone: +61 2 9351 2993
Website: www.library.usyd.edu.au

Mathematics Learning Centre

The Mathematics Learning Centre helps undergraduate students to develop the mathematical knowledge, skills and confidence that are needed for studying first-level mathematics or statistics units at university. The centre runs bridging courses in mathematics at the beginning of the academic year (fees apply). The centre also provides ongoing support to eligible students during the year through individual assistance and small group tutorials.

For details of activities and online resources provided by the centre see the website via the MyUni student portal (myuni.usyd.edu.au) or the Services for Students website (www.usyd.edu.au/stuserv).

Level 4, Carslaw Building, F07
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 4061
Fax: +61 2 9351 5797
Email: mlc@stuserv.usyd.edu.au
Website: www.usyd.edu.au/mlc

Museums and galleries

The University of Sydney has one of the largest and finest university collections of antiquities, art, ethnography and natural history in Australia. While these collections are used for teaching, they also provide an opportunity for the University to contribute to the cultural life of the country.

University Art Gallery

Founded in the 1860s, the University of Sydney Art Collection now holds more than 3000 paintings, sculptures and works on paper by Australian, Asian and European artists, as well as more than 700 works from the University Union Art Collection. The University Art Gallery showcases changing exhibitions of works from the collection as well as high-quality exhibitions of both contemporary and historical works.

War Memorial Arch
Quadrangle, A14
Camperdown Campus

Phone: +61 2 9351 6883
Fax: +61 2 9351 7785
Website: www.usyd.edu.au/museums

Macleay Museum

The Macleay Museum originated with the eighteenth century collection of insects owned by Alexander Macleay. The oldest of its kind in Australia, the museum today holds significant collections of ethnographic artefacts, scientific instruments, biological specimens and historic photographs. Changing exhibitions engage with the diversity of the collection.

Macleay Building, A12
Gosper Lane (off Science Road)
Camperdown Campus

Phone: +61 2 9036 5253
Fax: +61 2 9351 5646
Email: macleaymuseum@usyd.edu.au
Website: www.usyd.edu.au/museums

Nicholson Museum

The Nicholson Museum contains the largest and most prestigious collection of antiquities in Australia. It is also the country's oldest university museum, and features works of ancient art and objects of daily life from Greece, Italy, Egypt, Cyprus the Near and Middle East, as well as Northern Europe. A regular changing schedule of exhibitions highlights various parts of the collection.

Quadrangle, A14
Camperdown Campus

Phone: +61 2 9351 2812
Fax: +61 2 9351 7305
Email: nicholsonmuseum@usyd.edu.au
Website: www.usyd.edu.au/museums

The Tin Sheds Gallery

The Tin Sheds Gallery is part of the Art Workshop complex within the University of Sydney's Faculty of Architecture, Design and Planning. The gallery hosts exhibitions across a wide variety of contemporary visual arts practices from individuals and groups, as well as community projects and curated exhibitions.

Tin Sheds Gallery and Art Workshops
Faculty of Architecture
Wilkinson Building
148 City Road

Phone: +61 2 9351 3115
Fax: +61 2 9351 4184
Email: tinsheds@arch.usyd.edu.au
Website: www.arch.usyd.edu.au/art_workshop

MyUni Student Portal

The MyUni student portal (myuni.usyd.edu.au) is the starting point and 'one-stop' environment for students to access all their web-based University information and services.

MyUni automatically tailors what a student sees based on their login and offers students the option of further personalising content. Most importantly, MyUni allows students to complete tasks online that would previously have required attendance in person. The following are examples of MyUni services and information:

- support services relating to health, counselling, employment, child care, accommodation, and general wellbeing
- student administration systems for obtaining examination results, enrolment and variations, timetabling, email services and links to courses and units of study information
- links to the University's e-learning systems
- library services
- important messages and student alerts
- information and communications technology and support services
- information for local, Indigenous and international students
- campus maps, with descriptions of cultural, sporting and campus facilities.

Orientation and O-Week

Orientation

Transition to University involves both opportunities and challenges. A successful transition is important in developing a sense of belonging and better academic adjustment and success. The University seeks to facilitate students' successful transition through a wide range of programs and activities.

Orientation activities for both undergraduate and postgraduate students are scheduled at the beginning of each semester. Transition support continues throughout the academic year within faculties while student support services are available to assist students for the duration of their study.

For more information, see www.usyd.edu.au/orientation.

Undergraduate students

Sydney Welcome Orientation and Transition (SWOT) Program

In the week prior to Semester One, the SWOT program offers all commencing undergraduate students an opportunity to learn more about the University of Sydney.

During this week you can get to know the University, develop key skills for success, discover other key resources for getting the most out of university life and develop a sense of belonging. All students are welcome to attend activities which are based at the Camperdown and Darlington campuses. Faculties based on other campuses also provide orientation activities and programs.

SWOT 2009 will run from **25 to 27 February 2009**.

For more information, see www.swot.usyd.edu.au.

Postgraduate students

The University of Sydney Postgraduate Induction Program is a specialised program for postgraduate students organised by the Dean of Graduate Studies. See www.dogs.usyd.edu.au.

O-Week

O-Week is the orientation event at the beginning of Semester One. Organised by the University of Sydney Union (USU) and other student organisations, it runs in parallel with the SWOT program. O-Week provides an opportunity to learn about and participate in the many clubs and societies available at the University and the services and activities of the student organisations.

It's packed with fun activities and events, plus information to help you get acquainted with the University and grab hold of all of the opportunities this campus has to offer.

Rock, jazz, orchestral and choral concerts, plays, demonstrations, symposia on current affairs, reviews, competitions, sports, bus tours, games, special-interest meetings, guest speakers, debates, films, food and freebies are all organised for commencing students' participation and enjoyment. You need to know what's on and what's available in order to make the most out of your time here.

O-Week 2009 will run from **25 to 27 February 2009**. Programs are available at www.usuonline.com.

Part-time, full-time attendance

Undergraduate students

Undergraduate students are usually considered full-time if they have a student load of at least 0.375 each semester. Anything under this amount is considered a part-time study load.

Note that some faculties have minimum study load requirements for satisfactory progress.

Postgraduate students (coursework)

Part-time or full-time status for postgraduate coursework students is determined by credit-point load. Enrolment in units of study which total at least 18 credit points in a semester is classed as full-time. Anything under this amount is a part-time study load.

Please note that classes for some coursework programs are held in the evenings (usually 6pm to 9pm).

Postgraduate students (research)

Full-time candidates for research degrees do not keep to the normal semester schedule. Instead they work continuously throughout the year with a period of four weeks recreation leave.

There is no strict definition of what constitutes full-time candidature but if you have employment or other commitments that would prevent you from devoting at least the equivalent of a 35-hour working week to your candidature (including attendance at the University for lectures, seminars, practical work and consultation with your supervisor) you should enrol as a part-time candidate. If in doubt, consult your faculty or supervisor.

International students

Student visa regulations require international students to undertake full-time study. International students on visas other than student visas may be permitted to study part-time.

Policy Online

In addition to the resolutions covering specific courses there are a number of University policies that apply to students. These include:

- Code of Conduct for students
- Academic Honesty in Coursework
- Student Plagiarism: Coursework Assessment and Examination of Coursework
- Identifying and Supporting Students at Risk

All of these policies can be accessed at the University's Policy website online (www.usyd.edu.au/policy).

Printing Service

The University Printing Service (UPS) provides printing and binding services including: high-volume printing and copying, short run/low-volume printing, and four-colour process printing. It also offers finished artwork and design, including website design, document scanning, file conversion and CD burning.

UPS products range from stationery, books, brochures, handbooks, graduation certificates and examination papers through to invitations, flyers and banners.

UPS also offers a variety of finishing options plus collating, addressing and filling of envelopes, mail merge options and print-broking services.

University Printing Service
Room 314, Top Floor
Services Building, G12
Codrington Street

Phone: +61 2 9351 2004
Fax: +61 2 9351 7757
Email: ups@ups.usyd.edu.au
Website: www.usyd.edu.au/ups

Privacy

The University is subject to the *NSW Privacy and Personal Information Protection Act 1998* and the *NSW Health Records and Information Privacy Act 2002*. Central to both Acts are the sets of information protection principles (IPPs) and health privacy principles which regulate the collection, management, use and disclosure of personal and health information.

In compliance with the *Privacy and Personal Information Protection Act* the University developed a *Privacy Management Plan* which includes the *University Privacy Policy*. The *Privacy Management Plan* sets out the IPPs and how they apply to functions and activities carried out by the University. Both the plan and the *University Privacy Policy* were endorsed by the Vice-Chancellor on 28 June 2000.

Further information and a copy of the plan may be found at www.usyd.edu.au/arms/privacy.

Any questions regarding the *Freedom of Information Act*, the *Privacy and Personal Information Protection Act*, the *Health Records and Information Privacy Act* or the *Privacy Management Plan* should be directed to one of the following:

Tim Robinson: +61 2 9351 4263
Anne Picot: +61 2 9351 7262
Email: foi@mail.usyd.edu.au

Research Office

The Research Office administers the major government-funded research awards. Details of these awards and many others may be obtained from www.usyd.edu.au/ro/training.

The closing date for Australian Postgraduate Awards (APA) and University of Sydney Postgraduate Awards (UPA) is October every year.

National Health and Medical Research Council (NHMRC) Postgraduate Research Scholarships usually close in mid-July. It is wise to confirm in advance the exact closing date.

Research Office
Level 6, Jane Foss Russell Building, G02
Phone: +61 2 8627 8112
Email: research.training@usyd.edu.au
Website: www.usyd.edu.au/ro/training

Scholarships for undergraduates

The Scholarships and Prizes Office administers scholarships and prizes for undergraduate and postgraduate coursework degrees at the University of Sydney. To learn more, see the website.

Scholarships and Prizes Office
Jane Foss Russell Building, G02
The University of Sydney
NSW 2006 Australia
Phone: +61 2 9351 2717
Fax: +61 2 9036 7879
Email: scholarships.reception@usyd.edu.au
Website: www.usyd.edu.au/scholarships

Security Services

Security staff patrol the University's Camperdown and Darlington campuses 24 hours a day, seven days a week and are easily identified by their blue uniforms and distinguishing badges.

Security Escort Service

The University's Security Escort Service may be booked by telephoning +61 2 9351 3487. This service provides transportation around the Camperdown and Darlington campuses as well as to the nearest transport point at its edge (it generally operates after the Security Bus has ceased). The service is for security situations and is not designed for convenience use. Requests for this service will be prioritised against other security demands.

Emergency contact

Phone: +61 2 9351 3333

Enquiries

Phone: +61 2 9351 3487 or (toll-free within Australia) 1800 063 487

Fax: +61 2 9351 4555

Email: security.admin@mail.usyd.edu.au

Website: www.security.usyd.edu.au

Traffic

Phone: +61 2 9351 3336

Lost property

Phone: +61 2 9351 5325

Service Management, Information and Communications Technology (ICT)

Client Services are responsible for the delivery of many of the computing services provided to students. Students can contact Client Services by phoning the ICT Helpdesk on (02) 9351 6000, through the IT Assist website (www.switch.usyd.edu.au) or by visiting the staff at one of the University Access Labs.

Access labs on the Camperdown and Darlington campuses:

- Fisher Library (Level 2)
- Carslaw Building (Room 201)
- Education Building (Room 232)
- Christopher Brennan Building (Room 232)
- Engineering Link Building (Room 222)
- Pharmacy and Bank Building (Room 510)

Other labs are available at the Law Campus, Westmead Hospital and Cumberland Campus.

The labs provide students free access to computers, including office productivity and desktop publishing software. Some services are available on a fee-for-service basis, such as Internet access, printing facilities, and the opportunity for students to host their own non-commercial website.

Each student is supplied with an account, called a 'Unikey' account, which allows access to a number of services including:

- free email (www-mail.usyd.edu.au)
- WebCT/elearning online resources via <https://learn-on-line.ce.usyd.edu.au/webct/entryPageIns.dowebct>
- access to the Internet from home or residential colleges (www.switch.usyd.edu.au/services.html)
- facilities via the MyUni student portal: myuni.usyd.edu.au including exam results, enrolment variations and timetabling
- free courses in basic computing (such as MS Office, basic html and Excel), run by Access Lab staff in the week following orientation week. To register contact the Access Lab Supervisor on +61 2 9351 6870.

Service Management, Helpdesk
University Computer Centre, H08
Camperdown Campus

Phone: +61 2 9351 6000

Fax: +61 2 9351 6004

Email: support@usyd.edu.au

Website: www.switch.usyd.edu.au

Staff and Student Equal Opportunity Unit (SSEOU)

The Staff and Student Equal Opportunity Unit works with the University community to promote equal opportunity in education and employment, to create opportunities for staff and students who have traditionally been disadvantaged by mainstream practices and policies, and to create an environment that is free from discrimination and harassment.

The Staff and Student Equal Opportunity Unit is responsible for:

- providing policy advice to staff on harassment and discrimination
- providing equal opportunity policy development, promotion and training for staff and students
- coordinating and monitoring equity programs and initiatives
- providing information and advice to staff and students on equal opportunity matters
- resolving individual staff and student concerns about harassment and discrimination
- overseeing the University's Harassment and Discrimination Resolution procedure
- monitoring and reporting to external bodies on the University's progress in the equal opportunity area.

Every student and employee at the University of Sydney has the right to expect from their fellow students and colleagues behaviour that reflects these key values, irrespective of background, beliefs or culture.

In addition, every student and employee has a right to expect from the University-equitable practices that preserve and promote equal opportunity to access, participate, and excel in their chosen field.

Second Floor, Margaret Telfer Building, K07
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 2212

Fax: +61 2 9351 3195

Email: admin@eeo.usyd.edu.au

Website: www.usyd.edu.au/eeo

Student Administration and Support

The University provides personal, welfare, administrative and academic support services to facilitate your success. Many factors can have an impact on your wellbeing while studying, and Student Services can help you to manage these more effectively.

For details of services and online resources provided, see the MyUni student portal (myuni.usyd.edu.au) or the Services for Students website (www.usyd.edu.au/stuserv).

Student Centre

Level 3, Jane Foss Russell Building, G02
The University of Sydney
NSW 2006 Australia

General enquiries: +61 2 9351 3023

Academic records: +61 2 9351 4109

Handbooks: +61 2 9351 5057

Fax: +61 2 9351 5081 or +61 2 9351 5350 (academic records)

Website: www.usyd.edu.au/studentcentre

Student identity cards

The student identity card functions as a library borrowing card, a transport concession card (when suitably endorsed) and a general identity card. The card must be carried at all times on the grounds of the University and must be shown on demand, and must be taken to all examinations. Details for obtaining a student card can be found at: www.usyd.edu.au/cstudent/student_cards.shtml

Sydney Student Development

Sydney Student Development offers paid course-related employment to students with the aim of increasing their employment prospects upon graduation. During the semester students can work part-time to accommodate their study commitments and potentially full-time during the semester break.

For more information, see www.usyd.edu.au/student_employment.

Sydney Summer School

Nine faculties at the University offer subjects from undergraduate and postgraduate degree programs during summer. As the University uses its entire quota of Commonwealth-supported places in Semesters One and Two, these units are full fee-paying for both local and international students and enrolment is entirely voluntary.

Summer School enables students to accelerate their degree progress, make up for a failed subject or fit in a subject which otherwise would not suit their timetables. New students may also gain an early start by completing subjects before they commence their degrees.

Three Summer Sessions are offered, commencing in mid December, the first week of January and the third week of January and run for up to six weeks (followed by an examination week). Details of the available subjects are on the Summer School website and is usually circulated to students with their results notices.

A smaller Winter School is also run by the Summer School office. It will commence on 29 June 2009 and run for three weeks (followed by an examination week). The Winter School offers both postgraduate and undergraduate subjects.

To find out information about subjects offered and to enrol, see the Summer School website: www.summer.usyd.edu.au.

Sydney Welcome Orientation and Transition Program (SWOT)

The Sydney Welcome Orientation and Transition program (SWOT) offers a head start to commencing undergraduate students at the University, helping you to become familiar with the University and its student support services. The Library and central student support services work together with faculties to provide the SWOT program.

SWOT 2009 runs from **25 to 27 February 2009**.
For more information, see www.swot.usyd.edu.au.

The University of Sydney Foundation Program (USFP)

The University of Sydney provides a foundation program to international students as a preparation for undergraduate degrees at several Australian universities.

The program is conducted by Taylors College on behalf of Study Group Australia and the University of Sydney. It allows both first and second semester entry to undergraduate courses at the University of Sydney and other universities within Australia.

Contact details

Phone: +61 2 8263 1888
Fax: +61 2 9267 0531
Email: info@taylorscollege.edu.au
Website: www.usyd.edu.au/foundationprogram

College address

The University of Sydney Foundation Program
Taylors College
965 Bourke St
Waterloo NSW 2017
Phone: +61 2 8303 9700
Fax: +61 2 8303 9777

Timetabling Unit

The Timetabling Unit in the Student Centre is responsible for producing students' class and tutorial timetables. Semester One timetables are available ten days prior to the beginning of semester.

Website: www.usyd.edu.au/studentcentre/timetabling.shtml

University Health Service

The University Health Service provides a full experienced general practitioner service and emergency medical care to all members of the University community. You can consult a doctor either by appointment or on a walk-in basis (for more urgent matters only). The Health Service bills Medicare or your overseas student health care provider (Worldcare or Medibank Private) directly for the full cost of most consultations.

Email: i.marshall@unihealth.usyd.edu.au
Website: www.unihealth.usyd.edu.au
Phone: +61 2 9351 3484
Fax: +61 2 9351 4110

University Health Service (Wentworth)

Level 3, Wentworth Building, G01
The University of Sydney
NSW 2006 Australia

Opening hours: 8.30am to 5.30pm, Monday to Friday
Phone: +61 2 9351 3484

University Health Service (Holme)

Holme Building, A09
Entry Level, Science Road
The University of Sydney
NSW 2006 Australia

Opening hours: 8.30am to 5.30pm, Monday to Friday
Phone: +61 2 9351 4095

Student organisations

Students' Representative Council (SRC)

The Students' Representative Council (SRC) represents, campaigns and advocates for undergraduate students throughout the University.

SRC caseworkers advise students on a range of issues, including academic appeals, Centrelink and Austudy, tenancy, harassment and discrimination. The solicitor (from Redfern Legal Centre) provides legal assistance and court representation. These services are free and confidential. The SRC also offers financial support in the form of emergency loans up to \$50.

In addition, the SRC runs a second-hand bookshop that specialises in the purchase and sale of coursework textbooks. Among the publications produced by the SRC are the weekly student newspaper *Honi Soit*, the *Counter-Course Handbook* and the *O-Week Handbook*.

Recently celebrating its 80th anniversary, the SRC is one of the oldest student organisations in Australia, and is run by and for students. This is a great way for you to be involved in student life. Office bearers elected to student council campaign on issues that directly affect students, such as course cuts and assessments, fee increases, discrimination and welfare rights. They also advocate on social justice matters both within the University and throughout the wider community.

SRC main office

Level 1, Wentworth Building, City Road
 Phone: +61 2 9660 5222
 Fax: +61 2 9660 4260
 Email: help@src.usyd.edu.au
 Email (*Honi Soit* editors): editors@src.usyd.edu.au
 Website: www.src.usyd.edu.au

Contain the main office for details of other campuses.

The SRC Secondhand Bookshop

Level 3, Wentworth Building, City Road
 Phone: +61 2 9660 4756
 Fax: +61 2 9660 4260
 Email: books@src.usyd.edu.au
 Website: www.src.usyd.edu.au

Sydney University Postgraduate Representative Association (SUPRA)

SUPRA is an independent association which provides advice, advocacy and support services to postgraduate students. SUPRA is both the voice and safety net of these students, and represents their interests by:

- ensuring the representation of postgraduate views within the University and wider community
- providing free, confidential assistance and advocacy for postgraduates through the employment of Student Advice and Advocacy Officers (SAAOs)
- providing free legal advice for postgraduate students, in association with the Redfern Legal Centre
- representing postgraduates on University policy-making bodies such as the Academic Board, its committees and working parties
- meeting with members of the Senate on the Senate/Student Organisations Liaison Committee
- regularly consulting with the Vice-Chancellor, Registrar and other senior University officers
- drawing postgraduates together at all levels of University life.

SUPRA Council, committees and networks

The SUPRA Council is elected annually by and from the postgraduate student community. Council meetings are held monthly and postgraduate students are encouraged to attend. SUPRA committees and networks help to coordinate activities and run campaigns, and are a great way to get involved. All postgraduates can stand for the Council or attend any SUPRA events provided they are a SUPRA subscriber.

Advice and advocacy

SUPRA employs professional Student Advice and Advocacy Officers (SAAOs) to help postgraduate students with any academic or personal problems that may be affecting their study, such as:

- fee paying and administrative issues
- academic appeals and exclusions
- supervision problems
- tenancy issues
- Centrelink and financial assistance concerns
- harassment and discrimination.

This is a free and confidential service for all postgraduates at the University of Sydney. To access the SAAO service, you must be a SUPRA subscriber. It's free to subscribe and you can do it online, in the office, or when you see an SAAO. To find out more about the SAAO service, email: help@supra.usyd.edu.au.

Publications

SUPRA places the highest priority upon communication, being responsive to postgraduates and encouraging maximum participation in SUPRA through the following publications:

- *eXpress*, a magazine-style publication
- *eGrad*, a regular email bulletin
- *Survive!* Postgraduate Survival Manual
- *The Counter Course Handbook*
- *Thesis Guide*
- a range of factsheets and brochures.

Electronic versions are available at www.supra.usyd.edu.au.

All of SUPRA's services, activities and publications are free to SUPRA subscribers. By subscribing, you also show your support for all the work that SUPRA does on your behalf. It's free to subscribe and you can sign up online or drop into the SUPRA offices and fill out the form.

SUPRA Office

Raglan St Building, G10
 Corner Raglan and Abercrombie Streets
 Phone: +61 2 9351 3715 or toll-free 1800 249 950
 Fax: +61 2 9351 6400
 Email: admin@supra.usyd.edu.au
 Website: www.supra.usyd.edu.au

University of Sydney Union (USU)

USU is the organisation that coordinates activities, programs, events, services and facilities in and around Manning House, Wentworth Building and Holme Building, to provide an exciting and varied student experience. USU looks after on-campus catering and functions, spaces to relax and eat in, clubs and societies, entertainment, and other social and cultural programs.

For more information on USU, see www.usuonline.com.



Access Card Benefits Program

The Access program is a savings and benefits scheme offered by USU. Once you've bought an Access Card, you can take advantage of great discounts, such as 15 per cent off purchases from USU catering and retail outlets, and 20 percent off coffee and water across campus.

As part of your membership, you can also make fantastic savings off-campus from Access Partners offering discounts and deals on gifts, clothing, family entertainment and food.

For more information, see www.accessbenefits.com.au.

Clubs and societies

The USU funds, accommodates, trains and supports around 250 clubs and societies – groups that students can join and operate to pursue their own interests. Clubs and societies organise their own activities and events and are funded by USU. Being part of a club or society is the best way to get involved in campus life, meet people who share your interests, network and gain valuable organisational skills, training and experience.

There are clubs and societies focused on politics, culture, the arts, the environment, religion, volunteering, skills, hobbies, departments and faculties. If there isn't a club or society catering to your interests, we'll help you create and operate your own!

USU provides all of their clubs and societies with grants, insurance, venues, training and support for a range of events and projects including barbecues, dinners, annual balls, dance parties, cocktail parties, video nights, camps, conferences, excursions, trivia nights, fundraisers, merchandise and t-shirt production, postage and printing.

Registered clubs and societies can make free use of USU meeting rooms (as available) and free photocopying. Registered clubs can also use letterbox hire and USU equipment hire.

C&S Office

University of Sydney Union
Level 1, Manning House, Manning Road
Phone: +61 2 9563 6161
Email: clubsandsocs@usu.usyd.edu.au

The USU Student Leadership Program

The USU believes that a university should educate you, prepare you for life, and be fun!

The University of Sydney is able to boast the broadest, most inclusive extra-curricular program of all universities in Australia, and the USU prides itself on the world-class student experience program it delivers for the University.

The USU takes very seriously the need to create a vibrant community outside the classroom. Our programs are designed not only to entertain, but to teach and prepare participants for their lives after graduation. At the apex of what we do is mentoring, personal development, and leadership training.

The vitality of the USU is founded on the involvement of students as leaders within its community. These positions range from a student Board of Directors, Club and Society Executives, Festival Directors, Debate Directors, volunteers, and community portfolio convenors.

Sydney Uni Sport & Fitness

Sydney Uni Sport & Fitness invites you to choose from our range of value membership options, giving access to many sport and recreation clubs, fitness programs, top-level sporting facilities, regular competition and events, and great member benefits.

Join a vast array of sporting and recreational clubs for men and women with well-developed juniors programs, take part in excellent courses and world-class sporting events, and improve your performance under

the guidance of some of Australia's most accomplished coaches and sportspeople.

Purpose-built venues, such as the University Sports and Aquatic Centre, Arena Sports Centre with the Ledge Climbing Centre, and the HK Ward Gymnasium, offer tennis and squash courts, rock-climbing, fitness equipment, a martial arts room and an Olympic-size heated swimming pool.

Check out the historic and panoramic sporting ovals, rowing sheds and a multi-purpose facility at Tempe, and don't forget the on-campus Grandstand Sports Bar.

Sydney Uni Sport & Fitness
University Sports & Aquatic Centre
Phone: +61 2 9351 4960
Fax: +61 2 9351 4962
Email: admin@sport.usyd.edu.au
Website: www.susf.com.au

Facilities

Sydney Uni Sport & Fitness has three main fitness centres.

University Sports & Aquatic Centre

Corner Codrington and Darlington Streets
Darlington Campus
Phone: +61 2 9351 4978
Email: nmrc@sport.usyd.edu.au

Facilities at the centre include:

- 50-metre heated swimming pool
- six synthetic tennis courts
- four squash courts
- multi-function sports hall
- modern fitness equipment
- group fitness studio
- RPM Studio
- health assessments and fitness testing
- personal training
- a café.

Arena Sports Centre

Western Avenue
Camperdown Campus
Phone: +61 2 9351 8111
Email: arenaman@sport.usyd.edu.au

Facilities at the Arena Sports Centre include:

- extensive weights room
- Yoga classes
- personal training
- modern cardio equipment
- multi-purpose sports hall (Badminton)
- two squash courts
- sports clinic
- The Ledge Climbing Centre
- Ralph's Café.

HK Ward Gymnasium

Between Ovals 1 and 2
Camperdown Campus
Phone: +61 2 9351 4988
Email: hk@sport.usyd.edu.au

Facilities at the gymnasium include:

- martial arts facility
- international-standard sports hall
- boxing ring and gym
- group fitness studio
- boxercise and kickboxing classes
- ergometer training
- sports equipment hire.

International students

The following information is for international students studying onshore on an Australian student visa.

Completion within the expected duration

Education Providers are required to ensure that international students complete their studies within the duration specified on the electronic Confirmation of Enrolment (eCoE). Extensions to a student's course duration are allowed only in limited circumstances. For example, for compassionate or compelling reasons, where an intervention strategy has been implemented or where there has been an approved leave of absence or suspension.

It is important for students to ensure they are on track to complete their studies within the expected duration, or that they have permission from their faculty to extend their duration.

Satisfactory academic progress

Maintaining satisfactory course progress is a mandatory student visa condition. Education providers are required to monitor course progress, intervene where students are at risk of failing to achieve satisfactory course progress, notify students who fail to achieve satisfactory course progress, and report students who fail to achieve satisfactory course progress to the Department of Immigration and Citizenship (DIAC).

It is important that every student is aware of the progress rules for their course and participates in the intervention strategies implemented by their faculty. Exclusion from a course due to unsatisfactory progress can have serious implications for student visa holders including visa cancellation and restrictions on returning to Australia.

The University provides many avenues of support for students who are struggling academically. International students who are experiencing any difficulties with their academic progress should consult their faculty, the international student advisers in the International Office or the counsellors in the International Student Support Unit (ISSU).

Distance/web-based study

International students may undertake no more than 25 per cent of their total course by distance and/or online learning. Students must not enrol in exclusively distance or online study in any compulsory study period.

Work permits

International students with a work permit are permitted to work for up to 20 hours during semester and full-time during the University's official vacation periods. Contact the international student advisers in the International Office for more information.

Change of address

International students must notify the University of their residential address within seven days of arrival and notify any change of address within seven days. This should be done online via the University's MyUni student portal (<http://myuni.usyd.edu.au>).

Sponsored students

Sponsored students will need permission from their sponsors before transferring courses, suspending their studies or varying their study load. Students sponsored by the Australian Government (AusAID, Endeavour), or Asia Development Bank (ADB) should contact the International Office in the early stages of considering a change to their program.

Suspension/discontinuation

The University is required to report to DIAC any international students who discontinue or suspend their studies. Students who suspend their studies for medical or compassionate reasons should contact the International Student Advisers in the International Office urgently.

Overseas student health cover

The Australian government requires that all international students and their families pay for health insurance in Australia through the Overseas Student Health Cover (OSHC) scheme. The University-preferred provider is OSHC Worldcare. The International Office will, on receipt of the student's first payment of tuition fees and the OSHC premium, pay the compulsory amount to OSHC Worldcare on his/her behalf.

OSHC provides free access to the University health service and public hospitals. Higher-level coverage (eg, access to private hospitals coverage for spouse and family) is the student's responsibility.

The University of Sydney Foundation Program (USFP)

The University of Sydney offers its foundation program to international students as a preparation for undergraduate degrees at several Australian universities.

The Foundation Program is conducted by Taylors College on behalf of Study Group Australia and the University of Sydney. The Foundation Program allows both first and second-semester entry to undergraduate courses at the University of Sydney and other Australian universities.

University of Sydney Foundation Program

Taylors College
965 Bourke Street
Waterloo NSW 2017

Phone: +61 2 8303 9700
Fax: +61 2 8303 9777
Email: info@taylorscollege.edu.au
Website: www.usyd.edu.au/foundationprogram



International Office

The International Office provides advice and assistance with application, admission and enrolment procedures for international students. The International Office also includes units responsible for international marketing, government and student relations, international scholarships, including AusAID scholarships and administrative support for international financial aid programs, and compliance with government regulations related to international students.

The International Office also coordinates student exchange and study abroad programs, and other inter-institutional links. The Study Abroad and Exchange unit assists both domestic and international students who wish to enrol for study abroad or exchange programs.

International Admissions and Customer Services

Jane Foss Russell Building, G02
The University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 4079
Future student enquiries: 1800 899 376 (domestic free call)
Fax: +61 2 9351 4013
Email: info@io.usyd.edu.au
Website: www.usyd.edu.au/internationaloffice

Study Abroad

Phone: +61 2 9351 3699
Fax: +61 2 9351 2795
Email: studyabroad@io.usyd.edu.au
Website: www.usyd.edu.au/studyabroad

Student Exchange

Phone: +61 2 9351 3699
Fax: +61 2 9351 2795
Email: studyabroad@io.usyd.edu.au
Website: www.usyd.edu.au/studentexchange

International Student Support Unit

The International Student Support Unit (ISSU) provides support to international students through the provision of information, orientation programs, welfare advice and counselling.

The ISSU provides advice to international students on:

- preparations before leaving their home country
- what to expect upon arrival in Sydney
- emotional changes that can take place when moving to a different country
- academic concerns, including understanding the University system and liaising with staff members
- preparing family visit letters
- preparing to return to their home country.

The ISSU has two offices:

Camperdown Campus

Jane Foss Russell Building, G02
University of Sydney
NSW 2006 Australia

Phone: +61 2 9351 4749
Fax: +61 2 9351 6818
Email: info@issu.usyd.edu.au
Website: www.usyd.edu.au/stuserv/issu

Cumberland Campus

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Essential information for students

Calendar

The annual *University of Sydney Calendar* and its online updates are the University of Sydney's central source of official information.

The *Calendar* provides general and historical information about the University of Sydney, the statutes and regulations under which it operates and the Resolutions of the Senate relating to constitutions of and courses in each faculty. The statutes and regulations, as well as some Resolutions of the Senate, also appear in Policy Online (www.usyd.edu.au/policy).

Along with the University of Sydney handbooks, the *Calendar* forms the official legal source of information relating to study at the University of Sydney.

The latest *Calendar* is available in hard copy from the Student Centre. It is also available online, at www.usyd.edu.au/calendar. The PDF and Word document files can be downloaded and printed if required.

Coursework Rule

It is very important that students are aware of the *University of Sydney (Coursework) Rule 2000*, which governs all coursework award courses in the University.

The Coursework Rule relates to:

- award course requirements
- credit points and assessment
- enrolment
- credit
- cross-institutional study and its upper limits
- progression
- discontinuation of enrolment and suspension of candidature
- unsatisfactory progress and exclusion
- exceptional circumstances
- award of degrees
- diplomas and certificates
- transitional provisions.

It should be read in conjunction with two other documents:

- *University of Sydney (Amendment Act) Rule 1999*; and
- Resolutions of the Senate and the faculty resolutions relating to each award course. These are found in the relevant faculty handbook.

The Coursework Rule can be found in the following places:

- *University of Sydney Calendar* (print or online version): www.usyd.edu.au/calendar
- Policy Online: www.usyd.edu.au/policy
- Handbooks online: www.usyd.edu.au/handbooks/university_information/01_uni_coursework_rule

PhD Rule

The *University of Sydney (Doctor of Philosophy (PhD)) Rule 2004* deals with matters relating to the degree of Doctor of Philosophy, including admission, probation, supervision and submission of theses.

It should be read in conjunction with two other documents:

- *University of Sydney (Amendment Act) Rule 1999*; and
- Senate and faculty resolutions relating to each award course (found in the relevant faculty handbook).

The PhD Rule can be found in the following locations:

- *University of Sydney Calendar* (print or online version): www.usyd.edu.au/calendar
- Policy Online: www.usyd.edu.au/policy
- Handbooks online: www.usyd.edu.au/handbooks/postgrad_hb/ap04_phd_rule.shtml

Plagiarism

The University of Sydney is opposed to and will not tolerate plagiarism. It is the responsibility of all students to:

- ensure that they do not commit or collude with another person to commit plagiarism
- report possible instances of plagiarism
- comply with the University's policy and procedure on plagiarism.

The policy and procedure on plagiarism can be found at the Policy Online website www.usyd.edu.au/policy.

The Policy Online website also lists related policies and procedures, including:

- *Academic Honesty in Coursework (plagiarism) policy*; and
- *Code of Conduct for Responsible Research Practice and Guidelines for Dealing with Allegations of Research Misconduct*.

The University will treat all identified cases of student plagiarism seriously, in accordance with this policy and procedure, and with Chapter 8 of the *University of Sydney By-Law 1999 (as amended)*, which deals with student discipline.

Students at Risk Policy

The Students at Risk Policy enables early detection of students who are making poor or unsatisfactory progress and are therefore at risk of exclusion from their degree.

The policy outlines procedures and processes to support students in their ongoing studies, including:

- timely intervention and the provision of advice and assistance
- regularly and effectively advising students of progress requirements
- identifying students at risk
- alerting students that they are at risk
- providing assistance to address the risk
- tracking the progress of students after they are identified as being at risk.

For more information on this policy, please see the Secretariat website at www.usyd.edu.au/secretariat/students/riskstudents.

Grievance procedure

The University's policy and procedures document on student grievances, appeals and applications for review is available on the Policy Online website: www.usyd.edu.au/policy.

The *Grievance Procedure* document is a statement of the University's processes for handling student grievances, appeals and applications for review regarding academic and non-academic matters.

Study at the University presents opportunities for interacting with other members of the University community. The University recognises and values the diversity of student experiences and expectations, and is committed to treating students, both academically and administratively, in a fair and transparent manner.



Abbreviations

Listed below are commonly used acronyms that appear in University documents and publications. (See also the Glossary.)

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

A	
AARNet	Australian Academic Research Network
AAUT	Australian Awards for University Teaching
AAM	Annual Average Mark
ABC	Activity-based costing
ABSTUDY	Aboriginal Study Assistance Scheme
ACER	Australian Council for Educational Research
AGSM	Australian Graduate School of Management
ANZAAS	Australian and New Zealand Association for the Advancement of Science
APA	Australian Postgraduate Awards
APAC	Australian Partnership for Advanced Computing
APAI	Australian Postgraduate Awards (Industry)
APA-IT	Australian Postgraduate Awards in Information Technology
APDI	Australian Postdoctoral Fellowships Industry
APEC	Asia-Pacific Economic Cooperation
APF	Australian Postdoctoral Fellowship
AQF	Australian Qualifications Framework
ARC	Australian Research Council
ARTS	Automated Results Transfer System
ASDOT	Assessment Fee Subsidy for Disadvantaged Overseas Students
ATN	Australian Technology Network
ATP	Australian Technology Park
AUQA	Australian Universities Quality Agency
AusAID	Australian Agency for International Development
AUTC	Australian Universities Teaching Committee
AVCC	Australian Vice-Chancellors' Committee

B	
BAA	Backing Australia's Ability
BAC	Budget Advisory Committee
BITLab	Business Intelligence Lab
BLO	Business Liaison Office
BOTPLS	Bridging for Overseas Trained Professionals Loans Scheme

C	
CAF	Cost adjustment factor
CPS	Campus Property Services
CAUT	Committee for Advancement of University Teaching
CDP	Capital Development Program
CEP	Country Education Profile
CEQ	Course Experience Questionnaire
CES	Casual Employment Service
CFO	Chief Financial Officer
CHASS	College of Humanities and Social Sciences
CHESN	Commonwealth Higher Education System Student Number
CHS	College of Health Sciences
CIO	Chief Information Officer
COE	Confirmation of Enrolment
CPSU	Community and Public Sector Union
CRC	Cooperative Research Centre

C	
CREO	Centre for Regional Education, Orange
CRICOS	Commonwealth Register of Institutions and Courses for Overseas Students
CRRRI	Centre for Rural and Regional Innovation
CSIRO	Commonwealth Scientific and Industrial Research Organisation
CST	College of Sciences and Technology
CULT	Combined Universities Language Test
CUTSD	Committee for University Teaching and Staff Development

D	
DAC	Data Audit Committee
DEST	Commonwealth Department of Education, Science and Training
DET	NSW Department of Education and Training
DIMA	Department of Immigration and Multicultural Affairs
D-IRD	Discovery-Indigenous Researchers Development Program
DVC	Deputy Vice-Chancellor

E	
EB	Enterprise bargaining
EFTSU	Equivalent full-time student unit
EFTSL	Equivalent full-time student load
EIP	Evaluations and Investigations Program
ELICOS	English Language Intensive Course of Study
EMU	Electron Microscope Unit
ESOS Act	Education Services for Overseas Student Act

F	
FFT	Fractional full-time (equivalent staff)
FlexSIS	Flexible Student Information System
FHS	Faculty of Health Sciences
FOS	Field of study
FTE	Full-time equivalent (staff)
FRM	Faculty of Rural Management

G	
GATS	General Agreement on Trade in Services
GCCA	Graduate Careers Council of Australia
GDS	Graduate destination survey
GPOF	General Purpose Operating Funds
GSA	Graduate Skills Assessment
GSG	Graduate School of Government
GWSLN	Greater Western Sydney Learning Network

H	
HDR	Higher Degree Research
HECS	Higher Education Contribution Scheme
HEEP	Higher Education Equity Program
HEFA	Higher Education Funding Act 1988
HEIMS	Higher Education Information Management System
HEIP	Higher Education Innovation Program (DEST)
HELP	Higher Education Loan Program



Abbreviations

H	
HEO	Higher education officer
HEP	Higher education provider
HERDC	Higher Education Research Data Collection
HESA	Higher Education Support Act

I	
IAF	Institutional Assessment Framework
IAS	Institute of Advanced Studies
ICT	Information and Communication Technology
IELTS	International English Language Testing Scheme
IGS	Institutional Grants Scheme (DEST)
IO	International Office
IP	Intellectual property
IPRS	International Postgraduate Research Scholarships
IREX	International Researcher Exchange Scheme
ISFP	Indigenous Support Funding Program
ISIG	Innovation Summit Implementation Group
ISSU	International Student Services Unit
ITC	Information Technology Committee
ITL	Institute for Teaching and Learning
ITS	Information Technology Services

J	
JASON	Joint Academic Scholarships Online Network

L	
LBOTE	Language background other than English

M	
MISG	Management Information Steering Group
MNRF	Major National Research Facilities Scheme
MOU	Memorandum of Understanding
MRB	Medical Rural Bonded Scholarship Scheme

N	
NBCOTP	National Bridging Courses for Overseas Trained Program
NCG	National Competitive Grant
NESB	Non-English-speaking background
NHMRC	National Health and Medical Research Council
NOIE	National Office for the Information Economy
NOOSR	National Office for Overseas Skill Recognition
NRSL	Non-recent school leaver
NSW VCC	New South Wales Vice-Chancellors' Conference
NTEU	National Tertiary Education Industry Union

O	
OECD	Organisation for Economic Cooperation and Development
OLA	Open Learning Australia
OLDPS	Open Learning Deferred Payment Scheme
OPRS	Overseas Postgraduate Research Scholarships

P	
PELS	Postgraduate Education Loans Scheme
PSO	Planning Support Office
PVC	Pro-Vice-Chancellor

Q	
QA	Quality assurance
QACG	Quality Advisory and Coordination Group

R	
R&D	Research and development
R&R	Restructuring and Rationalisation Program
RC	Responsibility Centre
REG	Research and Earmarked Grants
REP	Research Education Program
RFM	Relative Funding Model
RIBG	Research Infrastructure Block Grant (DEST)
RIEF	Research Infrastructure Equipment and Facilities Scheme
RISF	Restructuring Initiatives Support Fund
RMO	Risk Management Office
ROA	Record of Achievement
RQ	Research Quantum
RQU	Recognition Quality Unit (Higher Education Division – DEST)
RRTMR	Research and Research Training Management Reports
RSL	Recent school leaver
RTS	Research Training Scheme (DEST)

S	
SCA	Sydney College of the Arts
SCEQ	Sydney Course Experience Questionnaire
SCM	Sydney Conservatorium of Music
SCR	Science Capability Review
SDF	Strategic Development Fund
SEG	Senior Executive Group
SES	Socioeconomic status
SI	Scholarship Index
SLE	Student Learning Entitlement
SNA	Safety net adjustment
SPIRT	Strategic Partnerships with Industry – Research and Training
SPR	Student Progress Rate
SRC	Students' Representative Council
SSR	Student–staff ratio
STABEX	Study Abroad Exchange (database)
SUPRA	Sydney University Postgraduate Students' Representative Association
SUSport	Sydney Uni Sport & Fitness

T	
TAFE	Technical and Further Education
TOEFL	Test of English as a foreign language
TPI	Teaching Performance Indicator

U	
UAC	Universities Admissions Centre
UMAP	University Mobility in Asia and the Pacific
UNESCO	United Nations Educational, Scientific and Cultural Organisation
UPA	University Postgraduate Awards

V	
VCAC	Vice-Chancellor's Advisory Committee
VET	Vocational Education and Training

W	
WAM	Weighted Average Mark
WRP	Workplace Reform Program
WTO	World Trade Organization

Y	
YFE	Year of first enrolment

Glossary

For a table of commonly used acronyms and abbreviations that appear in University documents and publications, see 'Abbreviations'.

This glossary describes terminology in use at the University of Sydney.

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

A

Academic Board

The senior academic body within the University. In conjunction with faculties, the Academic Board has responsibility for approving new or amended courses and endorsing faculty development of units of study. The board is also responsible for the formulation and review of policies, guidelines and procedures in relation to academic matters. For further information, see the *University of Sydney (Academic Governance) Rule 2003 (as amended)*.

Academic Consortium 21 (AC21)

An international network, of which the University is a member, comprising educational, research and industrial organisations throughout the world with the objective of encouraging the further advancement of global cooperation to the benefit of higher education and to contribute to world and regional society.

Academic cycle

The program of teaching sessions offered over a year. Currently the cycle runs from the enrolment period for Semester One to the completion of the processing of results at the end of Semester Two. See also 'Academic year', 'Stage'.

Academic dishonesty

Academic dishonesty occurs when a student presents another person's ideas, findings or written work as his or her own by copying or reproducing them without due acknowledgement of the source and with intent to deceive the examiner. Academic dishonesty also covers recycling, fabrication of data, engaging another person to complete an assessment or cheating in exams. See also 'Plagiarism'.

Academic record

The complete academic history of a student at the University. It includes, among other things: personal details; all units of study and courses taken; assessment results (marks and grades); awards and prizes obtained; infringements of progression rules; approvals for variation in course requirements and course leave; thesis and supervision details.

Access to a student's academic record is restricted to authorised University staff and is not released to a third party without the written authorisation of the student.

See also 'Academic transcript'.

Academic transcript

A printed statement setting out a student's academic record at the University. There are two forms of academic transcript: external and internal.

See also 'Academic record', 'External transcript', 'Internal transcript'

Academic year

The current calendar year in which a student is enrolled.

See also 'Academic cycle', 'Stage'.

Ad eundem gradum

Long-standing full-time members of the University's academic and general staff who are not graduates of the University may be considered by Senate, upon their retirement, for admission *Ad eundem gradum* ('to the same degree') to an appropriate degree of the University.

Admission

Governed by the University's admission policy, this is the process for identifying applicants eligible to receive an initial offer of enrolment in a course at the University. Admission to most courses is based on performance in the HSC, with applicants ranked on the basis of their UAI. Other criteria such as a portfolio, interview, audition, or results in standard tests may also be taken into account for certain courses.

Admission basis

The main criterion used by a faculty in assessing an application for admission to a course. The criteria used include, among other things, previous secondary, TAFE or tertiary studies; work experience; special admission; and the Universities Admission Index (UAI).

Admission (Deferment)

An applicant who receives an offer of admission to a course may apply to defer enrolment in that course for one semester or one academic cycle.

Admission mode

A classification based on how a student was admitted to a course, for example 'UAC' or 'direct'.

Admission period

The period during which applications for admission to courses are considered.

Admission year

The year the student expects to begin the course.

See also 'Commencement date'.

Advanced diplomas

See 'Award course'.

Advanced standing

See 'Credit'.

Adviser

A member of academic staff appointed in an advisory role for some postgraduate coursework students.

See also 'Associate supervisor', 'Instrumental supervisor/teacher', 'Research supervisor', 'Supervision'.

Aegrotat

In exceptional circumstances involving serious illness or death of a student prior to completion of their course, the award of aegrotat and posthumous degrees and diplomas may be conferred.

Alumni

See 'Graduate'

Alumni sidneiensis

A searchable database of graduates of the University from 1857 to 30 years prior to the current year.



Annual average mark (AAM)

The average mark over all units of study attempted in a given academic year (equivalent to the calendar year).

The formula for this calculation is:

$$AAM = \frac{\sum (\text{marks} \times \text{credit point value})}{\sum (\text{credit point value})}$$

(sums over all units of study completed in the selected period)

Where the mark is the actual mark obtained by the student for the unit of study, or in the case of a failing grade with no mark – 0. Pass/fail assessed subjects and credit transfer subjects (from another institution) are excluded from these calculations. However, the marks from all attempts at a unit of study are included.

Annual progress report

A form used to monitor a research student's progress each year. The form provides for comments by the student, the supervisor, the head of the department and the dean (or their nominee). The completed form is attached to the student's official file.

Annual Report

The University's yearly financial and audit report, submitted to the NSW Parliament. It also includes a broad range of the University's activities and the strength of their performance in relation to the University's stated roles, values and goals.

Appeals

Students may lodge an appeal against academic or disciplinary decisions.

Appeals against an academic decision

A student may appeal to the Student Appeals Body against a decision by the University that affects the academic assessment or progress of a student within his or her award course, including a decision:

(a) to exclude a student in accordance with the *University of Sydney (Coursework) Rule 2000 (as amended)*

(b) not to readmit or re-enrol a student following exclusion in accordance with the *University of Sydney (Coursework) Rule 2000 (as amended)*

(c) to terminate a student's candidature for a postgraduate award.

See also 'Student Appeals Body'.

Appeal against a disciplinary decision

A student may appeal to the Student Disciplinary Appeals Committee against a determination being:

(a) a finding by the Vice-Chancellor or the student Proctorial Board that the student is guilty of misconduct

(b) the imposition of a penalty upon the student by the Vice-Chancellor or the Student Proctorial Board

(c) an order made by the Vice-Chancellor or the Student Proctorial Board.

See also 'Student Disciplinary Appeals Committee'.

Assessment

The process of measuring the performance of students in units of study and courses. Performance may be assessed by examinations, essays, laboratory projects, assignments, theses, treatises or dissertations.

See also 'Result processing', 'Result processing schedule'.

Formative assessment

Used principally to provide students with feedback on their progress in learning. It reinforces successful learning, and is an opportunity for students to expose the limits in their knowledge and understanding.

Summative assessment

Used to certify competence, or to arrange students in a rank order of merit. It certifies the attainment of a standard, and is used as the basis for progression to the next part of a program, or to graduation.

Associate supervisor

A person who is appointed in addition to the supervisor of a research student, who can provide the day-to-day contact with the candidate or provide particular expertise or additional experience in supervision. See also 'Adviser', 'Instrumental supervisor/teacher', 'Research supervisor', 'Supervision'.

Association of Pacific Rim Universities (APRU)

A consortium of leading research universities in the Pacific Rim, of which the University is a member, which aims to foster education, research and enterprise thereby contributing to the economic, scientific and cultural advancement in the Pacific Rim.

Assumed knowledge

For some units of study, a student is assumed to have passed a relevant subject in the HSC and this is called assumed knowledge. While students are generally advised against taking a unit of study for which they do not have the assumed knowledge, they are not prevented from enrolling in the unit of study.

See also 'Prerequisite'.

Attendance pattern

Attendance pattern is classified as full-time, part-time or external. It depends on the student's mode of attendance and the student load.

Attendance mode

A Department of Education, Science and Training (DEST) classification defining the manner in which a student is undertaking a course, such as internal, external, mixed or offshore.

Australian Qualifications Framework (AQF)

The framework for recognition and endorsement of qualifications established by the Ministerial Council on Education, Employment, Training and Youth Affairs (MCEETYA).

AUSTUDY

Provides financial help to students who are 25 years old or over who meet the required criteria, and are undertaking an approved full-time course at an approved institution.

See also 'Youth allowance'.

Automated Results Transfer System (ARTS)

This system was developed by the Australasian Conference of Tertiary Admissions Centres (ACTAC) to allow the electronic academic record of a student to be accessed, via an admission centre, by tertiary institutions.

Award course

See 'Course'.

B**Bachelor's degree**

The highest undergraduate award offered at the University. A bachelor's degree course normally requires three or four years of full-time study or the part-time equivalent.

See also 'Award course'.

Barrier

An instruction placed on a student's record that prevents the student from re-enrolling or graduating.

See also 'Deadlines (fees)', 'Suppression of results'.

Board of studies

An academic body which supervises a course or courses, and is similar to a faculty except that it is headed by a chair rather than a dean and does not supervise PhD candidates.

Bursaries

Financial award made to a student, based primarily on need.

See also 'Scholarships'.

C

Calendar

See 'University Calendar'.

Cadigal program

A program, named in recognition of the Aboriginal people of the land on which the University is located, designed to increase the successful participation of Aboriginal and Torres Strait Islander people in degree courses in all faculties at the University of Sydney.

Campus

The grounds on which the University is situated. There are ten campuses of the University of Sydney:

- Burren Street (Institute of Transport Studies)
- Camperdown
- Darlington
- Camden (Agriculture and Veterinary Science)
- Conservatorium (Sydney Conservatorium of Music)
- Cumberland (Health Sciences)
- Mallett Street (Nursing)
- Rozelle (Sydney College of the Arts)
- St James (Law)
- Surry Hills (Dentistry)

Cancellation

Where enrolment is cancelled for non-payment of fees.

Candidature

Candidature commences when a student is admitted to a course of study leading to the award of a degree, diploma or certificate. There are maximum periods and in some cases minimum periods of candidature depending on the award course and whether the candidate is a full-time or part-time student.

See 'Course enrolment status'.

Census date

The date at which a student's enrolment, load and HECS liability are finalised before this information is reported to DEST.

See also 'HECS-HELP'.

Ceremony

See 'Graduation ceremony'.

Chancellor

The non-executive head of the University. An honorary position, the Chancellor presides over meetings of the University's governing body, the Senate, and important ceremonial occasions such as graduations.

Clinical experience

Students undertake clinical placements in a professional environment as part of their course requirements. Many require University-approved supervision. In order to undertake clinical placements a student may be required to fulfil additional requirements.

Combined course

A course which leads to two awards. For example the Arts/Law course leads to the separate awards of Bachelor of Arts and Bachelor of Laws.

Combined degree

A single program with a single set of course resolutions leading to the award of two degrees (unless otherwise specified in the resolutions). See also 'Combined course'.

Commencement date

The date a student commences candidature.

Commonwealth Supported Place (CSP)

(Previously known as a HECS Place.) A student in a Commonwealth Supported Place makes a contribution towards the cost of their education (known as the student contribution) while the Australian Government contributes the majority of the cost.

Confirmation of Enrolment form (COE)

This form is issued to each student after enrolment, showing the course and the units of study in which the student is enrolled, together with the credit point value of the units of study and the HECS weights. Until all fees are paid, it is issued provisionally. A new confirmation of enrolment form is produced every time a student's enrolment is varied.

Conjoint ventures

Two or more institutions cooperate to provide a unit or course of study to postgraduate coursework students. Arrangements exist between individual departments at the University of Sydney and individual departments at the University of New South Wales (UNSW) and the University of Technology Sydney (UTS).

In these arrangements, students enrolled for a degree at one institution complete one or more units of study at the other institution to count towards the award program at their 'home' institution.

Continuing professional education

A process which provides a number of programs of continuing education courses for professionals as they move through their career. These programs are presently administered by the Centre for Continuing Education (CCE) and a number of departments and foundations across the University. This process supports the whole of life learning concept and involves the maintenance of a long-term relationship between the student and the University.

Convocation

The body comprising the Fellows and former Fellows of the Senate of the University of Sydney; members of the former governing bodies of the institutions with which the University has amalgamated or their predecessors; the graduates of the University of Sydney, which include graduates of the institutions with which the University has amalgamated or their predecessors; professors and other full-time members of the academic staff of the University; and principals of the incorporated colleges. This is as per clause 14 of the *University of Sydney Act 1989*.

Core unit of study

A unit of study that is compulsory for a particular course or subject area.

See also 'Unit of study'.

Corequisite

A unit of study which must be taken in the same semester or year as a given unit of study (unless it has already been completed). These are determined by the faculty or board of studies concerned, published in the faculty handbook and shown in FlexSIS.

See also 'Prerequisite', 'Waiver'.

Cotutelle Scheme

Agreement between the University and any overseas university for joint supervision and examination of a PhD student as part of an ongoing cooperative research collaboration. If successful, the student receives a doctorate from both universities with each testamur acknowledging the circumstances under which the award was made.

Course

An undertaking of study at the University of Sydney.

Award course

A formal course of study that will see attainment of a recognised award. Award courses are approved by Academic Board and endorsed by Senate. The University broadly classifies courses as undergraduate, postgraduate coursework or postgraduate research.

See also 'Bachelor's degree', 'Course rules', 'Diploma', 'Doctorate', 'Major', 'Master's degree', 'Minor', PhD, 'Stream'.

Non-award course

Studies undertaken by students who are not seeking an award from the University.

See also 'Cross-institutional enrolment'.

Coursework

An award course not designated as a research award course. While the program of study in a coursework award course may include a component of original work, other forms of instruction and learning will normally be dominant.

Research

A course in which at least 66 per cent of the overall course requirements involve students undertaking supervised research, leading to the production of a thesis or other piece of written or creative work, over a prescribed period of time.

Course alias

A unique five character alpha-numeric code which identifies a University course.

Course code

See 'Course alias'.

Course enrolment status

A student's enrolment status in a course is either 'enrolled' or 'not enrolled'. 'Not enrolled' reasons include: cancelled; suspended; under examination; or terminated.

See also 'Cancellation', 'Candidature', 'Course leave', 'Enrolment', 'Enrolment variation', 'Terminated', 'Under examination'.

Course leave

Students are permitted to apply for a period away from their course without losing their place. Course leave is formally approved by the supervising faculty for a minimum of one semester. Students on leave are regarded as having an active candidature, but they are not entitled to a student card. At undergraduate level, leave is not counted towards the total length of the course. Students who are absent from study without approved leave may be discontinued and may be required to formally reapply for admission.

See also 'Progression'.

Course rules

Rules which govern the allowable enrolment of a student in a course. Course rules may be expressed in terms of types of units of study taken, length of study, and credit points accumulated. For example, a candidate may not enrol in units of study having a total value of more than 32 credit points per semester. Course rules also govern the requirements for the award of the course, for example a candidate must have completed a minimum of 144 credit points.

See also 'Award course', 'Corequisite', 'Prerequisite'.

Course suspension

See 'Course leave'.

Course transfer

A transfer occurs when a student changes from one course in the University to another course in the University without the requirement for an application and selection process (for example from a PhD to a master's program in the same faculty).

Credit

The recognition of previous studies successfully completed at this University, or another university or tertiary institution recognised by the University of Sydney, as contributing to the requirements of the course to which the applicant requesting such recognition has been admitted. It may be granted as specified credit or non-specified credit.

Specified credit

The recognition of previously completed studies as directly equivalent to units of study.

Non-specified credit

A 'block credit' for a specified number of credit points at a particular level. These credit points may be in a particular subject area but are not linked to a specific unit of study.

See also 'Annual average mark (AAM)', 'Waiver', 'Weighted average mark (WAM)'.

Credit points

The value of the contribution each unit of study provides towards meeting course completion requirements. Each unit of study normally has a six credit point value assigned to it. The total number of credit points required for completion of award courses will be specified in the Senate Resolutions relevant to the award course.

Cross-institutional enrolment

An enrolment in units of study at one university to count towards an award course at another university. Cross-institutional enrolments incur a student-contribution liability (see Commonwealth-supported student) or tuition fee charge at the institution at which the unit of study is being undertaken.

See also 'Non-award course'.

D**Data Audit Committee (DAC)**

The Data Audit Committee's role is to oversee the integrity and accuracy of the course and unit of study data as strategic University data. It also advises the Academic Board on suggested policy changes related to course and unit of study data. A subcommittee of the VCAC Enrolment Working Party, it is chaired by the Registrar, with membership including the deans, the Student Centre, FlexSIS and Planning and Statistics.

Deadlines (Enrolment variations)

See 'Enrolment variation'.

Deadlines (Fees)

The University has deadlines for the payment of fees (for example, HECS, compulsory subscriptions, course fees). Students who do not pay fees by these deadlines may have their enrolment cancelled or they may have a barrier placed on the release of their record.

See also 'Barrier', 'Cancellation'.

Dean

The head of a faculty, or the principal or director of a college (such as the Sydney Conservatorium of Music or the Sydney College of the Arts).

Dean's Certificate

A statement from the Dean certifying that all requirements, including fieldwork and practical work, have been met and that the student is eligible to graduate. Not all faculties use Dean's Certificates. In faculties that do, qualified students have 'Dean's Certificate' noted on their academic record.

Deferment (Deferral)

See also 'Admission (deferment)', 'Course leave'.

Degree

See also 'Award course', 'Bachelor's degree'.

Delivery mode

Indicates how students receive the instruction for a unit of study. The delivery mode must be recorded for each unit as distinct from the attendance mode of the student, for example an internal student may take one or more units by distance mode and an external student may attend campus for one or more units.

Distance education

Where subject matter is delivered in a more flexible manner, such as correspondence notes, a student may only attend campus if required. See also 'Extended semester', 'Distance education', 'International – off shore'.

Intensive on-campus

Core content is delivered with support learning in an intensive (one or more days) format on campus. Participation is usually compulsory. Previously this may have been called residential, block mode, or weekend workshop.

On-campus (normal)

Attendance of scheduled lectures, tutorials etc at a campus of the University.

Department

See 'School'.

Department of Education, Science and Training (DEST)

The Federal Government department responsible for higher education.

Diploma

The award granted following successful completion of diploma course requirements. A diploma course usually requires less study than a degree course.

See also 'Award course'.

Direct admissions

For some courses, applications may be made directly to the University. Applications are received by faculties or the International Office, and considered by the relevant department or faculty body. Decisions are recorded and letters are forwarded to applicants advising them of the outcome.

See also 'Admission', 'UAC'.

Disability information

Students may inform the University of any temporary or permanent disability which affects their life as a student. Disability information is recorded but it is only available to particular authorised users because of its sensitive nature and students will be informed of its use.

Disciplinary action

Undertaken as the result of academic or other misconduct, for example plagiarism, cheating, security infringement, criminal activity.

Discipline

A defined area of study, for example, chemistry, physics, economics.

Discipline group

A DEST code used to classify units of study in terms of the subject matter being taught or being researched.

Discontinuation (course)

See 'Enrolment variation'.

Discontinuation (unit of study)

See 'Enrolment variation'.

Dissertation

A written exposition of a topic which may include original argument substantiated by reference to acknowledged authorities. It is a required unit of study for some postgraduate award courses in the faculties of Architecture and Law.

Distance education

Where a student does not attend campus on a daily basis for a given course or unit of study.

See also 'Delivery mode', 'Extended semester'.

Doctorate

A high-level postgraduate award. A doctorate course normally involves research and coursework; the candidate submits a thesis that is an original contribution to the field of study. Entry to a doctorate course often requires completion of a master's degree course. Note that the doctorate course is not available in all departments at the University. See also 'Award course', 'PhD'.

Domestic student

A student who is not an international student.

See also 'Local student'.

Double degree

A double degree is a program where students are permitted by participating faculties (and/or by specific resolutions within a single award) to transfer between courses in order to complete two awards.

Downgrade

Where a student enrolled in a PhD reverts to a master's by research, either on the recommendation of the University on the basis that the research they are undertaking is not at an appropriate level for a PhD; or at the student's own request, for personal or academic reasons.

E**Equivalent full-time student unit (EFTSU)**

The equivalent full-time student unit (EFTSU) is a measure of student load based on the workload for a student undertaking a full year of study in a particular course. A student is then recorded as having generated one EFTSU.

See also 'Load', 'Stage'.

Equivalent full-time student load (EFTSL)

The equivalent full-time student load (EFTSL) for a year. It is a measure, in respect of a course of study, of the study load for a year of a student undertaking that course of study on a full-time basis.

Embedded courses

Award courses in the graduate certificate, graduate diploma and master's degree by coursework sequence which allow unit of study credit points to count in more than one of the awards, for example the Graduate Certificate in Information Technology, Graduate Diploma in Information Technology and Master of Information Technology.

Enrolment

A student enrolls in a course by registering with the supervising faculty in the units of study to be taken in the coming year, semester or session.

Commencing

An enrolment is classified as commencing if a student has enrolled in a particular degree or diploma for the first time.

Continuing

Students already in a course at the University re-enrol each year or semester. Most continuing students are required to pre-enrol.

See also 'Pre-enrolment'.

Enrolment list

A list of all currently enrolled students in a particular unit of study.

See also 'Unit of study'.

Enrolment status

See 'Course enrolment status'.

Enrolment Variation

Students may vary their enrolment at the start of each semester. Each faculty determines its deadlines for variations, but student-contribution liability depends on the Commonwealth census date.

See also 'Commonwealth Supported Place'.

Examination

A set of questions or exercises evaluating on a given subject given by a department or faculty.

See also 'Examination period', 'Assessment'.

Examination period

The time set each semester for the conduct of formal examinations.

Examiner (Coursework)

The person assessing a student or group of students, for example through written/oral examination, coursework assignments, presentations.

Exchange student

Either a University of Sydney student participating in a formally agreed program involving study at an overseas university, or an overseas student studying here on the same basis. The International Office provides administrative support for some exchanges.

Exclusion

A faculty may ask a student whose academic progress is considered to be unsatisfactory to 'show good cause' why the student should be allowed to re-enrol. If the faculty deems the student's explanation unsatisfactory, or if the student does not provide an explanation, the student may be excluded either from a unit of study or from a course or faculty. An excluded student may apply to the faculty for permission to re-enrol. Normally, at least two years must have elapsed before such an application would be considered. University policy relating to exclusions is set out in the *Calendar*.

See also 'Progression', 'Senate appeals'.

Exemption

A decision made at a sub-unit of study level to allow a student to complete a unit of study without also completing all the prescribed components of coursework and/or assessment.

See also 'Credit', 'Waiver'.

Expulsion

The ultimate penalty of disciplinary action is to expel the student from the University. The effect of expulsion is:

- the student is not allowed to be admitted or to re-enrol in any course at the University
- the student does not receive their results
- the student is not allowed to graduate
- the student does not receive a transcript or testamur.

Extended semester

A distance-learning student may be allowed more time to complete a module or program if circumstances beyond the student's control, such as drought, flood or illness, affect the student's ability to complete the module or program in the specified time.

See also 'Distance education'.

External

See 'Attendance mode', 'Distance education'.

External transcript

A certified statement of a student's academic record printed on official University security paper. It includes the student's name, any credit granted, all courses the student was enrolled in and the final course result and all units of study attempted within each course together with the result. It also acknowledges prizes the student has received. Marks can be included or omitted, as required.

See also 'Academic transcript', 'Internal transcript'.

F**Faculty**

A formal part of the University's academic governance structure, consisting mainly of academic staff members and headed by a dean, which is responsible for all matters concerning the award courses that it supervises. Usually, a faculty office administers the faculty and student or staff inquiries related to its courses. The *University Calendar* sets out the constitution of each of the University's faculties.

See also 'Board of Studies', 'Supervising faculty'.

Faculty handbook

The annual University publication for each faculty which provides detailed information about the faculty, its courses and resolutions.

FEE-HELP

An eligible student in a postgraduate course or in a bridging study course (for overseas-trained professionals) can apply for assistance (in the form of a loan) in paying all or some of their tuition fees.

Fee-paying students

Students who pay tuition fees to the University and are not liable for student contributions to a Commonwealth Supported Place. The Commonwealth does not contribute towards the cost of the education of fee-paying students. Annual fees vary between the faculties. Students pay a per semester fee.

Fellows of Senate

Members of the governing body of the University who are either elected, appointed or ex-officio.

Flexible learning

See 'Delivery mode', 'Distance education'.

Flexible start date

Full fee-paying distance students are not restricted to the same enrolment time frames as campus-based or Commonwealth-supported students.

Flexible Student Information System (FlexSIS)

The computer-based Flexible Student Information System at the University of Sydney.

FlexSIS holds details of courses and units of study being offered by the University and the complete academic records of all students enrolled at the University.

Formative assessment

See also 'Assessment'.

Full-time student

See 'Attendance pattern', 'EFTSU'.

G**Grade**

The outcome for a unit of study linked with a mark range. For example, a mark in the range 85–100 attracts the grade 'high distinction' (HD). See also 'Mark'.

Graduand

A student who has completed all the requirements for an award course but has not yet graduated.

See also 'Graduation', 'Potential graduand'.

Graduate

A person who holds an award from a recognised tertiary institution.

See also 'Graduand', 'Graduation'.

Graduate certificate

See 'Award course'.

Graduate diploma

See 'Award course'.

Graduate-entry degree

A bachelor's, or undergraduate degree, that requires another undergraduate degree as a prerequisite of entry. Examples of graduate-entry degrees at the University of Sydney include the Medical Program, Graduate Law and the Bachelor of Dentistry.

Graduation

The formal conferring of awards either at a ceremony or in absentia.

See also 'In absentia', 'Potential graduand'.

Graduation ceremony

A ceremony where the Chancellor confers awards upon graduands.

Group of Eight (G08)

The Group of Eight represents Australia's major research-intensive universities and membership comprises the vice-chancellors (presidents) of the Australian National University, Monash University, the University of Adelaide, the University of Melbourne, the University of New South Wales, the University of Queensland, the University of Sydney, and the University of Western Australia.

The Group of Eight works to ensure a consistent and sustainable policy environment which maximises the wide-ranging economic, social and cultural benefits to the Australian community of higher education and which ensures Australian universities are recognised as among the best in the world.

Group work

Means a formally established project to be conducted by a number of students in common, resulting in a single piece of assessment or a number of associated pieces of assessment.

See also 'Legitimate cooperation'.

H**Handbook**

See 'Faculty handbook'.

Head of department/Head of school (HOD/HOS)

The head of the academic unit which has responsibility for the relevant unit of study, or equivalent program leader.

Higher Education Contribution Scheme (HECS)

The Higher Education Contribution Scheme (HECS) was the previous Commonwealth Government student loan scheme. It ceased to operate on 1 January 2005 and was replaced by HECS-HELP (see below).

HECS-HELP

An eligible student in a Commonwealth Supported Place can apply for assistance in paying their student contribution. This may take the form of a HECS-HELP loan to pay all or some of the student contribution, or a HECS-HELP discount if all (or at least \$500) of the student contribution is paid by the census date.

Honorary degrees

A degree *honoris causa* (translated from the Latin as 'for the purpose of honouring') is conferred on a person whom the University wishes to honour.

Honours

Some degrees may be completed 'with honours'. This may involve the completion of a separate honours year, additional work in the later years of the course or meritorious achievement over all years of the course. Honours are awarded in a class (Class I, Class II – which may have two divisions or, Class III).

NSW Higher School Certificate (HSC)

The NSW Higher School Certificate (HSC), which is normally completed at the end of year 12 of secondary school. The UAI (Universities Admission Index) is a rank out of 100 that is computed from a student's performance in the HSC.

I***In absentia***

Latin for 'in the absence of'. Awards are conferred *in absentia* when graduands do not, or cannot, attend the graduation ceremony scheduled for them. Those who have graduated *in absentia* may later request that they be presented to the Chancellor at a graduation ceremony.

See also 'Graduation'.

Instrumental supervisor/teacher

All students at the Sydney Conservatorium of Music have an instrumental teacher appointed.

See also 'Adviser', 'Associate supervisor', 'Research supervisor', 'Supervision'.

Internal mode

See 'Attendance mode'.

Internal transcript

A record of a student's academic record for the University's own internal use. It includes the student's name, student identifier (SID), address, all courses in which the student was enrolled and the final course result, and all units of study attempted within each course, together with the unit of study result.

See also 'Academic transcript', 'External transcript'.

International student

Any student who is not an Australian or New Zealand citizen or a permanent resident of Australia is an international student. An international student is required to hold a visa that allows study in Australia and may be liable for international tuition fees.

Fee-paying

A private international student who is liable to pay tuition fees for their studies with the University.

Fee-paying – outgoing exchange

An international fee-paying student undertaking short term study at a recognised overseas institution with which the University has a student exchange agreement. Exchange study counts towards the student's University of Sydney award and students remain enrolled in their University of Sydney course during the period of exchange.

International – cross-institutional

An international fee paying student undertaking non-award study at the University on a cross-institutional basis. They are liable to pay fees for the study they undertake at the University, but there is no compliance reporting requirement, which rests with their 'home' institution.

International – sponsored

A private international student who is fully sponsored for his/her tuition; his/her sponsorship may also include overseas health cover and compulsory subscriptions.

Offshore studies

International offshore students undertake their program of study at one of the University's offshore campuses and do not enter Australia. Therefore they do not require a visa. They are distinct from international students who are on outbound exchange programs as they never enter Australia during their program of study.

Short course

An international fee-paying student undertaking a short course with the University of Sydney such as international development programs, executive training or study visits. The study undertaken by these students is non-award and generally a student visa is not required.

Sponsored award

An international student sponsored by the Australian government, undertaking a program of study at the University. Currently Australian Development Scholarships holders, funded by AusAID, are the only students in this category. These students are fully sponsored for their tuition and other costs such as travel and health cover, and are paid a stipend.

Study Abroad

An international student who is undertaking short-term study at the University under the Study Abroad scheme. Study Abroad students must have completed at least one year of study towards a degree at a recognised institution in their home country and are continuing towards the degree of their home institution.

See also 'Local student', 'Student type'.

L**Learning entitlement**

Each student has a seven-year full-time period during which they can remain Commonwealth-supported. This seven year period is called their 'learning entitlement'.

Leave

See 'Course leave'.

Legitimate cooperation

Any constructive educational and intellectual practice that aims to facilitate optimal learning outcomes through student interaction.

See also 'Group work'.

Life membership

Life membership is no longer offered by the University of Sydney Union (USU). However, existing life Members continue to enjoy the right to vote in USU elections and at USU general meetings. Like all members, life members are encouraged to stand for election to the USU Board. Similarly, life members, once they have paid the appropriate annual fees, are able to enjoy the benefits of the Access Benefits program.

Load

The sum of the weights of all the units of study in which a student is enrolled. The weight is determined by the proportion of a full year's work represented by the unit of study in the degree or diploma for which the student is a candidate. Student load is measured in terms of Equivalent full-time student units (EFTSU).

See also 'Equivalent full-time student units (EFTSU)'.

Local student

Either an Australian or New Zealand citizen or Australian permanent resident. New Zealand citizens are required to pay their Higher Education Contribution Scheme (HECS) fees upfront.

See also 'Domestic student', 'International student'.

M**Major**

A field of study, chosen by a student, to represent their principal interest. This would consist of specified units of study from later stages of the award course. Students select and transfer between majors by virtue of their selection of units of study. One or more majors may be awarded upon the graduand's assessment of study.

See also 'Award course', 'Minor', 'Stream'.

Major timetable clash

The term used when a student attempts to enrol in units of study which have so much overlap in the teaching times that it has been decided that students must not enrol in the units simultaneously.

Mark

An integer (rounded if necessary) from 0 to 100 indicating a student's performance in a unit of study.

See also 'Grade'.

Master's degree

A postgraduate award. Master's degree courses may be offered by coursework, research only or a combination of coursework and research. Entry to the course often requires completion of an honours year at an undergraduate level.

See also 'Award course'.

Method of candidature

A course is either a research course or a coursework course and so the methods of candidature are 'research' and 'coursework'.

See also 'Course (Coursework)', 'Course (Research)'.

Mid-year intake

Admission to degree programs for Semester Two.

Minor

Studies undertaken to support a major. Requiring a smaller number of credit points than a major, students select and transfer between minors (and majors) by virtue of their selection of units of study. One or more minors may be awarded upon the graduand's assessment of study.

See also 'Award course', 'Major', 'Stream'.

Mixed mode

See 'Attendance mode'.

MPhil

The Master of Philosophy (MPhil) is a master's by research degree offered by some (but not all) of the University's faculties.

See also 'Award course', 'Master's degree'.

Mutually exclusive units of study

See 'Prohibited combinations of units of study'.

MyUni

The University of Sydney's student portal system. It provides access to email, library services, student self-administration, support services, e-learning software such as Blackboard and WebCT, as well as information about the University and its courses.

N**Non-award course**

See 'Course'.

Non-standard session

A teaching session other than the standard February and August sessions – such as Sydney Summer School or Winter School, in which units of study are delivered and assessed in an intensive mode during January or July respectively.

See also 'Semester', 'Session'.

O**Orientation Week**

Orientation or 'O Week', takes place in the week before lectures begin in Semester One. During O Week, students can join various clubs, societies and organisations, register for courses with departments and take part in activities provided by the University of Sydney Union.

P**Part-time student**

See also 'Attendance mode', 'Attendance pattern', 'Equivalent full-time student units (EFTSU)'.

Permanent home address

The address used for all official University correspondence with a student, both inside and outside of semester time (for example during semester breaks), unless the student provides a different address for use during the semester.

See also 'Semester address'.

PhD

The Doctor of Philosophy (PhD) and other doctorate awards are the highest awards available at the University. A PhD course is normally purely research-based; the candidate submits a thesis that is an original contribution to the field of study.

See also 'Award course', 'Doctorate'.

Plagiarism

Presenting another person's ideas, findings or work as one's own by copying or reproducing them without acknowledging the source.

See also 'Academic dishonesty'.

Policy Online

The website which provides access to the University's current policies, procedures and guidelines.

Postgraduate

A term used to describe a course leading to an award such as graduate diploma, a master's degree or PhD which usually requires prior completion of a relevant undergraduate degree (or diploma) course. A 'postgraduate' is a student enrolled in such a course.

See also 'Course (Coursework)', 'Course (Research)'.

Postgraduate Education Loans Scheme (PELS)

An interest-free loans facility for eligible students who are enrolled in fee-paying, postgraduate non-research courses. It is similar to the deferred payment arrangements available under the Higher Education Contribution Scheme (HECS). This scheme was replaced by the FEE-HELP scheme on 1 January 2005.

See also 'FEE-HELP'.

Potential graduand

A student who has been identified as being eligible to graduate on the satisfactory completion of their current studies.

See also 'Graduand', 'Graduation'.

Pre-enrolment

Pre-enrolment – also known as provisional re-enrolment – takes place in October, when students indicate their choice of unit of study enrolment for the following year. After results are approved, pre-enrolment students are regarded as enrolled in those units of study for which they are qualified. Their status is 'enrolled' and remains so provided they pay any money owing and comply with other requirements by the due date. Students who do not successfully pre-enrol in their units of study for the next regular session are required to attend the University on set dates during the January/February enrolment period.

See also 'Enrolment'.

Prerequisite

A unit of study that is required to be successfully completed before another unit of study can be attempted. Prerequisites can be mandatory (compulsory) or advisory.

See also 'Assumed knowledge', 'Corequisite', 'Waiver', 'Qualifier'.

Prizes

Awarded in recognition of outstanding performance, academic achievement or service to the community or University.

Probationary candidature

A student who is enrolled in a postgraduate course on probation for a period of time up to one year. The head of department/school is required to consider the candidate's progress during the period of probation and make a recommendation for normal candidature or otherwise to the faculty.

Professional practice

Some students undertake placement in a professional practice as part of their course requirements. This may require University-approved supervision. Professional placements are located in a wide range of professional practices environments, and may not require additional criteria to be fulfilled.

Progression

Satisfactory progression is satisfying all course and faculty rules (normally assessed on an annual basis) to enable the completion of the chosen award within the (maximum) completion time allowed.

See also 'Exclusion'.

Prohibited combinations of units of study

When two or more units of study contain a sufficient overlap of content, enrolment in any one such unit prohibits enrolment in any other identified unit.

See also 'Unit of study'.

Provisional re-enrolment

See 'Pre-enrolment'.

Q**Qualification**

An academic attainment recognised by the University.

Qualifier

A mandatory (compulsory) prerequisite unit of study which must have a grade of pass or better.

See also 'Assumed knowledge', 'Corequisite', 'Prerequisite', 'Waiver'.

R**Recycling**

The submission for assessment of one's own work, or of work which substantially the same, which has previously been counted towards the satisfactory completion of another unit of study, and credited

towards a university degree, and where the examiner has not been informed that the student has already received credit for that work.

Registration

In addition to enrolling with the faculty in units of study, students must register with the department responsible for teaching each unit. This is normally done during Orientation Week. Note that unlike enrolment, registration is not a formal record of units attempted by the student.

Research course

See 'Course (Research)'.

Research supervisor

A supervisor is appointed to each student undertaking a research postgraduate degree. The supervisor will be a full-time member of the academic staff or a person external to the University recognised for their association with the clinical teaching or the research work of the University. A research supervisor is commonly referred to as a supervisor.

See also 'Advisor', 'Associate supervisor', 'Supervision', 'Instrumental supervisor/teacher'.

Result processing

Refers to the processing of assessment results for units of study. For each unit of study, departments/schools tabulate results for all assessment activities and assign preliminary results.

See also 'Assessment', 'Formative assessment', 'Examination period', 'Summative assessment'.

Result processing schedule

The result processing schedule will be determined for each academic cycle. All schools and faculties are expected to comply with this schedule.

See also 'Assessment', 'Examination period', 'Result processing'.

Result

The official statement of a student's performance in each unit of study attempted as recorded on the academic transcript, usually expressed as a mark and grade.

See also 'Grade', 'Mark'.

Research Training Scheme (RTS)

The RTS provides Commonwealth-funded higher degree by research (HDR) students with an 'entitlement' to a HECS exemption for the duration of an accredited HDR course, up to a maximum period of four years full-time equivalent study for a doctorate by research and two years full-time equivalent study for a master's by research.

S**Scholarships**

Financial or other form of support made available to enable students to further their studies.

See also 'Bursaries'.

School

A school or academic unit shall encourage and facilitate teaching, scholarship and research, and coordinate the teaching and examining duties of members of staff in the subjects or courses of study with which it is concerned.

Semester

A half-yearly teaching session, the dates for which are determined by the Academic Board. Normally all undergraduate sessions will conform to the semesters approved by the Academic Board. Any offering of an undergraduate unit not conforming to the semester dates (non-standard session) must be given special permission by the Academic Board.

See also 'Session', 'Non-standard session'.

Semester address

The address to which all official University correspondence is sent during semester time, if it is different to the permanent address.

Senate

The governing body of the University. See the University Calendar for more details of its charter and powers.

Session

Any period of time during which a unit of study is taught. A session differs from a semester in that it need not be a six-month teaching period, but it cannot be longer than six months. Each session maps to either Semester One or Two for DEST reporting purposes.

Session offerings are approved by the relevant dean, taking into account all the necessary resources, including teaching space and staffing. The Academic Board must approve variation to the normal session pattern.

See also 'Semester', 'Non-standard teaching period'.

Session address

See 'Semester address'.

Short course

A fee-paying student undertaking a short course with the University of Sydney comprising professional development, executive training etc. The study undertaken by these students is a non-award course.

Show cause

See 'Progression', 'Exclusion'.

Special consideration

Candidates who suffer serious illness or misadventure which may affect performance in any assessment, may request that they be given special consideration in relation to the determination of their results.

Special Studies Program (SSP)

A period of release from normal duties to allow academic staff to undertake a planned program of academic activity and development.

Sponsorship

Financial support of a student by a company or government body.

Stage

A normal full-time course of study taken in a year.

See also 'Course rules', 'EFTSU', 'Progression'.

Strategic Directions

See also 'University Strategic Directions'.

Stream

A defined award course, which requires the completion of set units of study as specified by the course rules for the particular stream, in addition to the core program specified by the course rules. A stream will appear with the award course name on testamurs, eg Bachelor of Engineering in Civil Engineering (Construction Management).

See also 'Award course', 'Major', 'Minor'.

Student

Student means a person enrolled as a candidate for an award course or unit of study.

Student Appeals Body

Any student may appeal to the Student Appeals Body against an academic decision on the ground that due academic process has not been observed by the relevant faculty in relation to the academic decision.

See also 'Appeals', *University of Sydney (Student Appeals against Academic Decisions) Rule 2006*.

Student Disciplinary Appeals Committee

Any student may appeal to the Student Disciplinary Appeals Committee against a misconduct determination by the Vice-Chancellor or a Student Proctorial Board.

See also 'Appeals'.

Student identifier (SID)

A nine-digit number which uniquely identifies a student at the University.

Student ID Card

All students who enrol are issued with an identification card. The card includes the student's name, SID, the course code, a library borrower's bar code and a passport-style photo. The card identifies the student as eligible to attend classes and must be displayed at formal examinations. It must be presented to secure student concessions and to borrow books from all sections of the University Library.

Student progress rate (SPR)

A calculation which measures the rate at which load undertaken is passed annually in each award program.

Student type

Student type identifies whether a student is local or international and the type of study the student is undertaking.

See also 'International student', 'Domestic student', 'Exchange student'.

Study Abroad program

A scheme administered by the International Office which allows international students who are not part of an exchange program to take units of study at the University of Sydney, but not towards an award program. In most cases the units of study taken here are credited towards an award at their home institution.

See also 'Exchange student'.

Subject area

A unit of study may be associated with one or more subject areas.

The subject area can be used to define prerequisite and course rules, for example the unit of study 'History of Momoyama and Edo Art' may count towards the requirements for the subject areas 'Art History and Theory' and 'Asian Studies'.

Summative assessment

See 'Assessment'.

Summer School

See 'Sydney Summer School'.

Supervising faculty

The faculty that has the responsibility for managing the academic administration of a particular course, such as the interpretation and administration of course rules, approving students' enrolments and variations to enrolments. Normally the supervising faculty is the faculty offering the course.

However, in the case of combined courses, one of the two faculties involved will usually be designated the supervising faculty. Further, in the case where one course is jointly offered by two or more faculties (such as the Liberal Studies course), a joint committee may make academic decisions about candidature and the student may be assigned a supervising faculty for administration.

Supervision

A one-to-one relationship between a student and a nominated member of the academic staff or a person specifically appointed to the role.

See also 'Adviser', 'Associate supervisor', 'Research supervisor', 'Instrumental supervisor/teacher'.

Suppression of results

Results for a particular student can be suppressed by the University when the student has an outstanding debt to the University; or the student is facing disciplinary action. A student may also request a suppression for personal reasons.

Suspension

See also 'Course leave'.

Sydney Summer School

A program of accelerated, intensive study running for approximately six weeks during January and February each year. Both undergraduate and postgraduate units are offered. Summer School provides an opportunity for students at Sydney and other universities to catch up on needed units of study, to accelerate completion of a course or to undertake a unit that is outside their award course.

All units attract full fees and enrolled students are also liable for compulsory subscriptions. Some fee-waiver scholarships are available.

Sydney Winter School

An intensive session offered by the University in July during the mid-year break.

T

Teaching department

See 'School'.

Teaching end date

Official finish date of formal timetabled classes.

Teaching start date

Official commencement date of formal timetabled classes.

Terminated

Term used when a student's candidature has been officially closed because they are not able to complete the course requirements.

See also 'Candidature'.

Testamur

A certificate of award provided to a graduand, usually at a graduation ceremony. The award conferred will be displayed along with other appropriate detail.

Thesis

A major work that is the product of an extended period of supervised independent research.

See also 'Course (Research)'.

Timetable

The schedule of lectures, tutorials, laboratories and other academic activities that a student must attend.

Transcript

See 'Academic transcript'.

Transfer

See 'Course transfer'.

Tuition fees

Tuition fees may be charged to students in designated tuition fee-paying courses. Students who pay fees are not liable for HECS.

U

Universities Admissions Centre (UAC)

The UAC receives and processes applications for admission to undergraduate courses at recognised universities in NSW and the ACT. Most commencing, local undergraduate students at the University apply through the UAC.

Universities Admission Index (UAI)

A measure of overall academic achievement in the HSC that assists universities in ranking applicants for university selection. The UAI is based on the aggregate of scaled marks in ten units of the HSC, and is a number between 0.00 and 100.00 with increments of 0.05.

Under examination

Indicates that a research student has submitted their written work (thesis) for assessment, and is awaiting the finalisation of the examiners' outcome and recommendation.

Undergraduate

A term used to describe both a course leading to a diploma or bachelor's degree and a student enrolled in such a course.

Unit of study

Unit of study or unit means a stand-alone component of an award course. Each unit of study is the responsibility of a department.

See also 'Prohibited combinations of unit of study'.

Unit of study enrolment status

This indicates whether the student is still actively attending the unit of study (currently enrolled) or is no longer enrolled.

See also 'Discontinuation' or 'Cancellation'.

Unit of study level

Units of study are divided into Junior, Intermediate, Senior, Honours, Year 5, and Year 6. Most majors consist of 32 Senior credit points in a subject area (either 3000 level units of study or a mix of 2000 and 3000 level units of study).

University

Unless otherwise indicated, 'University' in this document refers to the University of Sydney.

University Calendar

The annual University publication, also available online, which provides general and historical information about the University of Sydney, the statutes and regulations under which it operates and the Senate resolutions relating to constitutions in each faculty.

University Medal

A faculty may recommend the award of a University Medal to a student qualified for the award of an undergraduate honours degree (or some master's degrees), whose academic performance is judged to be outstanding.

University Strategic Directions

This refers to the University of Sydney *Strategic Plan 2007–2010*.

Upgrade

Where a student enrolled in a master's by research course is undertaking research at such a standard that either the University recommends that the student upgrade their degree to a PhD, or the student seeks to upgrade to a PhD and this is supported by the University.

V

Variation of enrolment

See 'Enrolment variation'.

Vice-Chancellor and Principal

The chief executive officer of the University, responsible for its leadership and management. The Vice-Chancellor and Principal is head of both academic and administrative divisions.

W

Waiver

In a prescribed course, a faculty may waive the prerequisite or corequisite requirement for a unit of study or the course rules for a particular student. Unlike credit, waivers do not involve a reduction in the number of credit points required for a course.

See also 'Credit', 'Exemption'.

Winter School

See 'Sydney Winter School'.

Weighted average mark (WAM)

This mark uses the unit of study credit point value in conjunction with an agreed 'weight'. The formula for this calculation is:

$$WAM = \frac{\sum (W_c \times M_c)}{\sum (W_c)}$$

Where W_c is the weighted credit point value, ie the product of the credit point value and the level of weighting of 1, 2, 3, or 4 for a first, second, third or fourth year unit of study respectively; and where M_c is the greater of 45 or the mark out of 100 for the unit of study.

The mark is the actual mark obtained by the student for the unit of study, or in the case of a failing grade with no mark – 0.

Pass/fail assessed subjects and credit transfer subjects (from another institution) are excluded from these calculations. However, the marks from all attempts at a unit of study are included. (Effective from 1 January 2004.)

In addition, faculties may adopt other average mark formulae for specific progression or entry requirements. If such a formula is not specified in the faculty resolutions, the formula outlined above is used. See also 'WAM weight'.

WAM weight

A weight assigned to each unit of study to assist in the calculation of WAMs.

Y

Year of first enrolment (YFE)

The year in which a student first enrolls at the University. See also 'Commencement date'.

Youth Allowance

Youth allowance is payable to a full-time student or trainee aged 16–24 years of age who is enrolled at an approved institution such as a school, college, TAFE or university, and undertaking at least 15 hours a week face-to-face contact.

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The
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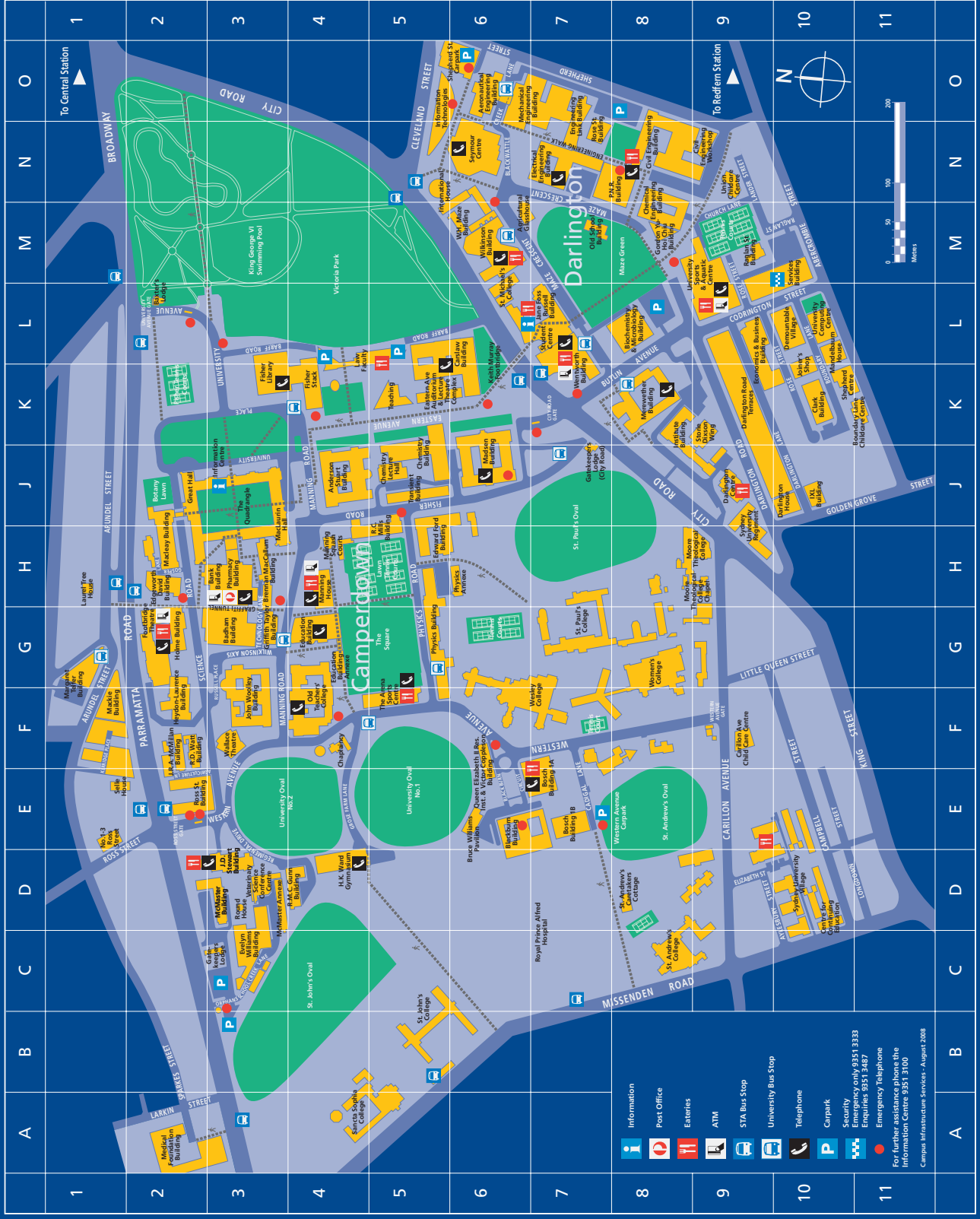
Disability access

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2009 handbook maps

Map Code: 0102_MAIN

Camperdown and Darlington Campuses



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K5	Eastern Avenue Auditorium & Lecture Theatre Complex	D4	R.M.C. Gunn Building
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G4	Education Building Annexe	G2	Science Road Cottage
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N9	KU Union
H1	Laurel Tree House

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K9	Darlington Road Terraces
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A4	Sancta Sophia College
C8	St Andrew's College
B5	St John's College
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G7	St Paul's College
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F7	Wesley College
G8	Women's College

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K8	Economics & Business
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N7	Engineering
H5	Medicine
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N6	Music
H5	Schaeffer Fine Arts
L7	SciTech

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L7	Careers Centre
L7	Cashier
D10	Centre for Continuing Education
K7	Centre for English Teaching
H3	Chancellor
L10	Computing Centre
H2	Executive Offices
J3	Information Centre
L10	Information and Communications Technology
L7	International Office
K8	Office of Development
M10	Office of University Relations (OUR)
G1	Personnel
L7	Publications Office
H3	Research Office
M10	Room Bookings & Venue Management
L7	Scholarships Unit
M10	SydneyPeople - HR Service Centre
G1	SydneyPeople - SydneyLearning
E1	SydneyPeople - Unistaff
L7	Student Centre
M10	Student Housing
L7	Student Services Unit
K8	Summer School
O5	Sydnovate
F3	United States Studies Centre
H3	University Relations (Vice Principal)
C3	Veterinary Hospital & Clinic
H2	Vice-Chancellor

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M10	Lost Property
M10	Traffic & Parking

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H4	Manning Squash Courts
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G5	The Square
E5	University Oval No. 1
E3	University Oval No. 2
M9	University Sports & Aquatic Centre

Course planner

Year	Semester	Unit of study 1 & credit points		Unit of study 2 & credit points		Unit of study 3 & credit points		Unit of study 4 & credit points		Total credit points
1	1									
	2									
2	summer									
	1									
	winter									
	2									
3	summer									
	1									
	winter									
	2									
4	summer									
	1									
	winter									
	2									
5	summer									
	1									
	winter									
	2									
Total credit points										