

## Faculty of Medicine

### A Message from the Dean

It is my pleasure to welcome you to the Faculty of Medicine at the University of New South Wales.

I would like to focus on who we are and what we stand for. An underlying principle at UNSW, and especially in the Faculty of Medicine, is the link between teaching and research. Our staff tell us that they want to work with us because they have the opportunity to pursue their research and to teach. In addition, many of our staff are doctors and other healthcare professionals who make major contributions to the delivery of clinical care, particularly in the public hospital system. As well as our full-time salaried staff, more than a thousand doctors attached to hospitals and working in the communities have unpaid conjoint appointments with us and make enormous contributions to teaching and research.

UNSW Medicine has a strong presence at the Kensington campus. In addition, staff and students are based in teaching hospitals in Sydney, Wollongong and regional and rural areas, especially Albury/Wodonga, Wagga Wagga, Coffs Harbour and Port Macquarie.

The Undergraduate Program in Medicine is a central focus. We also have undergraduate programs in Health and Exercise Science, and in Medical Science. There is a diverse array of postgraduate coursework programs such as the Masters in Public Health. Postgraduate research focuses on research Masters, PhD and MD programs in all of the clinical, basic science and social science disciplines.

Our students are another rich resource in the Faculty. There is a broad mix of students from many backgrounds and metropolitan, rural and international students are all represented in large numbers. Our teaching and learning methods encourage a student-centred approach and acknowledgement that our staff and our students are our two richest resources.

We remain committed to a learning environment where research and teaching are closely intertwined and where we have close relationships with the healthcare system.

Once again, welcome to the Faculty of Medicine. I hope that you will find the information that you need by browsing through these pages. Should you wish to ask a more specific question, do not hesitate to come into the Faculty Office or call on 9385-8765.

Professor Richard Henry  
Acting Dean

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## Faculty Information and Assistance

### Who Can Help?

If you require advice about enrolment, degree requirements, progression within programs or with any other general Faculty matter, contact one of the following people located in the Office of the Dean (map reference B27), Faculty of Medicine:

#### Postgraduate

Ms Petrina Choong  
Postgraduate Student Programs  
Office of the Dean  
Faculty of Medicine  
Tel: (02) 9385 2457  
Fax: (02) 9385 1874  
Email: postgrad@med.unsw.edu.au

#### General Enquiries

Office of Dean  
Faculty of Medicine  
Tel: (02) 9385 8765  
Fax: (02) 9385 1874  
Email: info@notes.med.unsw.edu.au

### Faculty of Medicine Website

The Faculty of Medicine website can be found at: [www.med.unsw.edu.au](http://www.med.unsw.edu.au)

The Faculty of Medicine website provides information about programs, courses, research interests, news and current events. The website also contains links to all the schools, units, centres and the affiliated research institutes of the Faculty, as well as staff, student and alumni information resources.

### Course Descriptions

Course descriptions offered in 2006 can be found in alphabetical order by the course code at the back of this Handbook. A full list of courses offered by the University can be found in the Online Handbook at: [www.handbook.unsw.edu.au](http://www.handbook.unsw.edu.au)

### The Faculty

The Faculty of Medicine was established when the NSW Government accepted a proposal of the Murray Committee of Inquiry into the future of Australian universities and announced in December 1957, that a second medical school in New South Wales would be established within the re-named University of New South Wales.

The Faculty's first students enrolled in 1961 and 25 of these graduated from the six-year program in 1966. A five-year undergraduate curriculum was introduced in 1974. Although this was a highly successful curriculum, a number of changes in both the hospital and health systems indicated the need for the Faculty to extend the program to a six-year curriculum in 1988.

The Faculty of Medicine consists of all members of the academic staff, both full-time academics as well as conjoint and adjunct appointees from teaching hospitals, student representatives and other persons nominated by the Faculty. The Presiding Member is elected biennially from the professors and associate professors of the Faculty.

The Dean is the principal channel of communication between the Faculty and the University on administrative matters. The Dean and the Faculty are supported by a number of committees, some of which perform administrative tasks, while many assist in maintaining a constant review of the curriculum and the objectives of medical education.

### Goals of the Faculty

The primary mission of the Faculty is the pursuit of excellence in medical and biomedical education within a scholarly environment of research and discovery.

## Schools of the Faculty

### School of Public Health and Community Medicine

This dynamic and multidisciplinary school covers all aspects of public health and health systems. It contains research groups focusing on primary care and community medicine, aged and extended care, international

health, clinical governance, health informatics, indigenous health, multicultural health, training and education of health professionals, equity, health promotion and physical fitness, HIV/AIDS and drugs and alcohol, and ethics, among others. The School staff have both Australian and international interests and draw on both qualitative and quantitative approaches. Research and teaching draw strongly on one another. Partnerships with other groups are actively promoted. Further details are available at <http://sphcm.med.unsw.edu.au>

### School of Medical Sciences

The School of Medical Sciences brings together the research and teaching resources of the Departments of Anatomy, Pathology and Physiology & Pharmacology. The School has an outstanding reputation for academic excellence and provides a highly productive academic environment in which to work. Links with other institutes ensure the School's position at the forefront of international and national research efforts. The School enjoys a reputation as one of Australia's leading medical and research facilities.

### School of Women's and Children's Health

The School of Women's and Children's Health includes the disciplines of obstetrics and gynaecology and paediatrics. It is located on a number of campuses, namely Sydney Children's Hospital and The Royal Hospital for Women, which are adjacent to the campus of The University of New South Wales, and at St George and Liverpool Hospitals. The School has links with other teaching hospitals of the University as well as with community centres in Sydney and rural centres in New South Wales, which enable it to draw on the expertise of clinicians and community health workers for its teaching and research programs

### School of Psychiatry

The School is located at the main Kensington campus (Department of Human Behaviour); the University's teaching hospitals at Prince of Wales, St Vincent's, St George and Liverpool; associated teaching hospitals at Bankstown, Campbelltown and Sutherland; hospitals associated through the School of Rural Health; and the Corrections Health Service. The School has a long-standing tradition of productive and internationally highly respected research achievements. Senior academic staff in the School have interests in anxiety and mood disorders, neuropsychiatry, psychogeriatrics, child and adolescent psychiatry, psychopharmacology, schizophrenia, liaison psychiatry, post-natal disorders, community psychiatry, genetics, brain imaging, forensic psychiatry, refugee mental health, psycho-immunology, social psychiatry, epidemiology, and psychiatry in primary practice. Further details are available at <http://psych.med.unsw.edu.au/>

## Clinical Schools

### St George Clinical School

The St George Hospital Clinical School is on the St George Hospital campus and has been affiliated with the University of New South Wales since 1964. A major redevelopment program during the 1990s has provided a state-of-the-art hospital covering all general areas of medicine (excluding heart and liver transplants). The St George Hospital has built an enviable reputation with areas of expertise including oncology, orthopaedics and women & children's health as well as a major research enterprise.

### St Vincent's Clinical School

St Vincent's Clinical School is part of the St Vincent's Hospital Campus, a principal campus of the Sisters of Charity Health Care Service. Specialty services at the Hospital include cardiac transplantation, bone marrow transplantation, a comprehensive HIV/AIDS service, a cancer service which provides an integrated approach to the management of malignancy, and a palliative care service in the Sacred Heart Hospice. Extensive primary and secondary care is also provided to meet the needs of the local community and these include medical, surgical, geriatric and drug and alcohol services. Sophisticated diagnostic departments, which include all branches of pathology, radiology and nuclear medicine, support the clinicians of the Hospital. Research is undertaken in a variety of organisations within the Hospital, including the professorial departments, the Centre for Immunology, the Department of Clinical Pharmacology and the Anxiety Disorders Unit. St Vincent's Hospital is affiliated with the Garvan Institute of Medical Research, the Victor Chang Cardiac Research Institute and the National Centre for HIV Epidemiology and Clinical Research. Further information is available on the website <http://stvcs.med.unsw.edu.au/>

## The South Western Sydney Clinical School

The South Western Sydney Clinical School was established in 1990. The School has access to hospital and community health centres serving approximately 800,000 people living in the south-west of Sydney – Sydney's fastest growing area of population. The School is centred at Liverpool Hospital (600 beds), a principal tertiary referral hospital for the South Western Sydney Area Health Service (SWSAHS). Bankstown-Lidcombe Hospital (400 beds) is the other principal referral hospital in SWSAHS. The Clinical School has a presence in the fields of medicine, surgery, obstetrics and gynaecology, pathology, microbiology, anaesthetics, intensive care, adolescent health, mental health, population health, community medicine, health promotion, general practice, rehabilitation, aged care, drug and alcohol services, epidemiology and nursing research.

## Prince of Wales Clinical School

Prince of Wales Clinical School is located at the Prince of Wales Hospital, adjacent to the University of New South Wales, and provides a unique clinical and scientific environment. The Prince of Wales Hospital currently covers all specialties and sub-specialties. In addition, statewide services provided include: Hyperbaric Medicine Unit, Spinal Injuries, Lithotripsy, HIV Special Unit and the Albion Street Centre. Research strengths include brain sciences, cancer, diabetes and stem cells.

## UNSW Rural Clinical School

The School of Rural Health was the first rural-based clinical school in Australia, established by UNSW in 1999 under a funding agreement with the Commonwealth Government through the Department of Health and Ageing. This agreement stipulated that 25% of all undergraduate medical students (HECS/Commonwealth supported students) are required to spend half their clinical training in a rural or regional centre.

It has two divisions – Greater Murray and Mid North Coast. The School is centred in Wagga Wagga with other campuses in Albury/Wodonga, Griffith, Coffs Harbour, Kempsey and Port Macquarie. The School aims to provide a community and regional hospital-based learning environment, offering diversified educational experience in rural health and medical practice. The School operates within the syllabus of the Faculty and provides a supportive medical academic environment which will enable its students to follow any career they may eventually select.

## Faculty Units, Centres and Affiliated Institutes

### The Bioanalytical Mass Spectrometry Facility

The Bioanalytical Mass Spectrometry Facility (BMSF) is a UNSW beach-head facility providing research support to investigators on this campus and affiliated teaching hospitals. The BMSF is a major facility for molecular characterisation for the faculties of Medicine, Science and Engineering at UNSW. The facility is equipped to world class standards enabling all types of mass spectrometry to help answer questions posed by researchers and clinicians to otherwise intractable problems. The BMSF has recently been evaluated as an Australian Major Research Facility following a recent survey commissioned by the Commonwealth Department of Industry, Science and Resources (now DEST). The BMSF also acts as a node of the Australian Proteome Analysis Facility under a Major National Research Facility Grant. The BMSF is both a research and research-support facility engaged in several areas of study. There are three main overlapping areas of research: large molecule analysis including proteomics, small molecule biomarker research including the monitoring of damage, repair and the cellular changes associated with ageing and inflammatory disease, and development of instrumentation and technology for mass spectrometry. The facility offers an analytical service and delivers courses on mass spectrometry and allied topics. More information on the BMSF can be obtained at [www.bmsf.unsw.edu.au](http://www.bmsf.unsw.edu.au)

### Centre for Health Informatics

The Centre for Health Informatics (CHI) conducts research and development in 4 broad areas:

- Evidence-based Decision Support examines methods and technologies for providing clinicians with up-to-date information online.
- Clinical Communications seeks to understand how information is disseminated, and how communication, and communication pathways, may be improved.
- The Evaluation team offers evaluation services for information and communication technology projects in health, assessing the effectiveness of new information and communication technologies in improving health outcomes and delivery.

- Home Telecare uses information, communications, measurement and monitoring technologies to evaluate health status and deliver health care services to patients at home to improve clinical outcomes and allow the elderly and the chronically ill to stay at home longer.

Postgraduate courses in Health Informatics are offered within the Masters degrees in the School of Public Health & Community Medicine. The courses are designed to provide graduates with a theoretical and practical understanding of the role of information and communication technologies in health care to develop the skills needed for the successful integration of such technologies into the health system. Further information can be obtained at: [www.chi.unsw.edu.au](http://www.chi.unsw.edu.au)

### Centre for Clinical Governance Research in Health

Since 1991, the Centre for Clinical Governance Research in Health has undertaken research and evaluation projects on health sector issues. Its core interest is to investigate issues of policy, governance and leadership in the health sector. The Centre is involved in conducting original research into clinical governance issues, providing a scholarly capability by which to evaluate health sector policies, programs and projects, and contributing to undergraduate medical, postgraduate health services management, and public health and doctoral education. Further information is available at [www.med.unsw.edu.au/clingov](http://www.med.unsw.edu.au/clingov)

### Centre for Vascular Research (CVR)

The Centre for Vascular Research is a multidisciplinary organisation focused on the causation and treatment of occlusive vascular disease and other pathologies with vascular components. This includes projects on angiogenesis in tumour growth and inflammation. The Centre has laboratories in the John Curtin School of Medical Research at the ANU and the Department of Biochemistry and Molecular Biology, Monash University in addition to UNSW on campus and at Prince of Wales Hospital and St George Clinical Schools. Details of the Centre, structure, group leaders, research directions and opportunities for postgraduate and undergraduate students are available at [www.cvr.net.au](http://www.cvr.net.au)

### Children's Cancer Institute Australia for Medical Research

Children's Cancer Institute Australia for Medical Research is an independent institute affiliated with the Faculty of Medicine, University of New South Wales. The Institute was established in 1976 and occupies a five-storey complex at the southern end of the Sydney Children's Hospital as well as a number of labs and offices in a nearby building. Staff work in close collaboration with members of the Centre for Children's Cancer and Blood Disorders in the Hospital. With staff numbers exceeding 120, including Honours and postgraduate scholars of the University, the Institute undertakes laboratory research on malignant disease in children. Research work is organised into seven programs: experimental therapeutics, molecular diagnostics, molecular carcinogenesis, leukaemia biology, stem cell biology, iron metabolism and chelation and the Australian Cancer Research Foundation Drug Discovery Program. The Institute is the only independent medical research institute in the country focusing solely on research into the nature, origin, cause and treatment of childhood cancers (particularly leukaemia and neuroblastoma).

### Garvan Institute of Medical Research

The Garvan Institute of Medical Research has a staff of 280 including 45 PhD and MD scholars. The Institute is structured into six major research programs – arthritis and asthma, bone and mineral, cancer, neurobiology, metabolism and diabetes, and pituitary disorders – which are funded through program and project grants from the National Health and Medical Research Council. Located on the St Vincent's Hospital Campus, the Garvan Institute focuses on the molecular basis of health and disease, integrating a range of basic laboratory based research approaches together with extensive clinical research. Further information is available at [www.garvan.org.au](http://www.garvan.org.au)

### National Centre in HIV Epidemiology and Clinical Research

The National Centre in HIV Epidemiology and Clinical Research (NCHECR) is recognised worldwide as a leader in HIV/AIDS research. The NCHECR undertakes research into HIV/AIDS that focuses on epidemiology, clinical research and clinical trials, in collaboration with other research centres, government departments, the pharmaceutical industry, community groups, health clinics and general practitioners. The priorities of the NCHECR include surveillance and monitoring of HIV infection and AIDS, epidemiological studies of transmission and disease progression, identification of social and behavioural factors affecting HIV disease and



the establishment of Australia as a primary site for clinical trials of HIV therapy. As an extension of its role in HIV/AIDS, the Centre also carries out epidemiological and clinical research into other blood borne viruses, particularly Hepatitis C and sexually transmitted infections. Another significant area is the NCHCECR's contribution to international clinical research and provision of research expertise and training to countries of the Asia-Pacific region. Recently the Centre has increased its role in the development and testing of novel vaccines for HIV. More information can be obtained from the Centre's website [www.med.unsw.edu.au/nchcecr](http://www.med.unsw.edu.au/nchcecr)

### National Perinatal Statistics Unit

The National Perinatal Statistics Unit (NPSU) is a collaborating unit of the Australian Institute of Health and Welfare based at the University of NSW. The NPSU is located on the Randwick Hospital Campus within the School of Women's and Children's Health. The NPSU maintains national perinatal and reproductive health data collections based upon data supplied by the states and territories. An assisted conception data collection is also held based upon data supplied by IVF and GIFT Units from Australia and New Zealand. The NPSU in collaboration with states and territories and various professional, government, non-government and consumer groups are involved in the continuing development of national reproductive and perinatal health data systems. The NPSU's objectives are to monitor and interpret national reproductive and perinatal health data and to conduct teaching and research in perinatal and reproductive health.

### National Drug and Alcohol Research Centre

The National Drug and Alcohol Research Centre (NDARC) was established as a Centre of Excellence at the University of New South Wales in May 1986. It is funded by the Commonwealth Department of Health and Aged Care. The overall mission of NDARC is to undertake research and related activities that contribute to a more effective and efficient Australian treatment response to alcohol and other drug-related problems. It undertakes this work in collaboration with the Schools of Public Health & Community Medicine and Psychology in the University, with centres in other States and Territories, and through international collaboration. Further information is available at <http://ndarc.med.unsw.edu.au>

### Prince of Wales Medical Research Institute

The Prince of Wales Medical Research Institute is an independent institute affiliated with the University. Since its opening in 1993, it has grown to become one of the largest aggregates of research nationally on the functions and disorders of the brain and nervous system. It has a staff of more than 100, including nine at professor or associate professor level, and attracts more than \$4M p.a. in peer-reviewed funding. In 2003 it established the Mayne Clinical Research Imaging Centre based on a 3.0T MRI System. Major lines of research include human sensation and motor cortex function; balance and movement; autonomic nervous system; nervous system morphology (brain "atlases"); Alzheimer's, Parkinson's and other neurodegenerative diseases; macular degeneration and blindness; clinical neurophysiology; nerve and spinal cord injury; child injury; chronic pain; and role of steroids in maintaining or altering functions of the nervous system. For further information visit our website at [www.powmri.edu.au](http://www.powmri.edu.au)

### The Simpson Centre for Health Services Research

The Simpson Centre is a NSW Government funded research centre with a strong history of applied research and health service innovation. The genesis of the Simpson Centre was in response to increasing pressure for practical solutions to improve acute services. This has now expanded to include research across traditional boundaries linking acute medical and community based health care delivery. The principal objectives of the Simpson Centre are: to innovate and evaluate research and develop health service systems; disseminate research results and facilitate implementation of validated service innovation. This approach also incorporates examination of cultural and psychosocial factors influencing service delivery and utilisation.

### Skin and Cancer Foundation Australia

The Skin and Cancer Foundation was established in 1978 and is affiliated with St Vincent's Hospital. The Foundation has five dermatology registrars and a research fellow as well as undergraduate students who attend the dermatology clinics. A broad range of clinics are devoted to the diagnosis and treatment of skin cancer, psoriasis, contact dermatitis, vitiligo and pigmented skin lesions. There is a large dermatopathology service. Clinical trials as well as research in occupational dermatoses and histopathology are pursued. The Foundation also has a Westmead branch, which provides sunscreen testing and irritancy testing for new products as well as being

the main centre for dermatological surgery. Both community education and dermatological research are pursued at both centres.

### Victor Chang Cardiac Research Institute

The VCCRI was established in 1994 to honour the vision and memory of the late Dr Victor Chang. It is a member of the St Vincent's Hospital Campus, affiliated with the University of NSW and accredited by the National Health and Medical Research Council. It aims to conduct the highest quality fundamental research into cardiovascular diseases, with a major emphasis on the prevention, diagnosis and treatment of heart muscle diseases. It currently has active research programs in molecular cardiology relating to the mechanisms of cardiac hypertrophy and signal transduction; the genetics of cardiovascular diseases; cardiac arrhythmias and mechanics; transplantation biology; vascular bioengineering, and the pathophysiology of cardiac ischaemia and coronary restenosis.

### The Rural Health Unit

The Rural Health Unit was established in 1995 to help address the chronic shortage of doctors in rural areas. Since this time the Unit has seen a rapid growth in personnel and student activities.

The principal areas of responsibility of the Rural Health Unit are:

- administration of special entry schemes, such as the Rural Students Entry Scheme (RSES);
- promoting Medicine and allied health to rural students;
- supporting rural students in Medicine;
- encouraging and supporting students who are interested in pursuing a career in rural health;
- promoting rural health through various avenues, e.g. the media and lobbying to the government; scholarships, cadetships, bursaries;
- promoting rural health as a viable alternative to urban based medical practice;
- providing a forum for communication between metropolitan and rural health professionals, e.g. workshops;
- overseeing rural curriculum development.

For more information please visit the Rural Health Unit website <http://rural.med.unsw.edu.au>

### Indigenous Health Unit

The Indigenous Health Unit works in close collaboration with the Rural Health Unit to:

- promote Medicine to school-age and mature Indigenous students;
- administer the Indigenous Entry Into Medicine scheme, including the Pre-Medicine program, a preparation to the medical course;
- select students;
- support students throughout their course;
- develop appropriate curricula (in consultation with Indigenous communities);
- develop partnerships with Indigenous communities;
- coordinate teaching in Indigenous Health to all students within Medicine;
- conduct research into Indigenous Health and assist in building the capacity of others to undertake such research.

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## Admission into the Faculty of Medicine

### Admission to Coursework Programs – Masters, Graduate Diploma, Graduate Certificate

(a) For Masters by coursework and Graduate Diplomas requiring a medical degree (MMed, MSpMed, MPM, Graduate Diplomas in Sports Medicine, Geriatric Medicine, Paediatrics), a candidate for the degree shall have been awarded a Bachelor of Medicine and Bachelor of Surgery from the University of New South Wales or a qualification considered equivalent from another university or tertiary institution at a level acceptable to the Higher Degree Committee of the Faculty of Medicine AND shall have had at least one year's full-time experience in the practice of medicine. Additional prerequisites may be specified by the program authority.

(b) For other Masters by coursework and Graduate Diploma programs, a candidate for the degree shall have been awarded an appropriate degree of Bachelor of four full-time years duration (or the part-time equivalent) from the University of New South Wales or a qualification considered equivalent from another university or tertiary institution at a level

acceptable to the Higher Degree Committee of the Faculty of Medicine OR shall have been awarded an appropriate degree of Bachelor of three full-time years' duration (or the part-time equivalent) and have had at least three years' relevant experience. Additional prerequisites may be specified by the program authority.

(c) For Graduate Certificates requiring a medical degree (Sports Medicine and Geriatric Medicine), a candidate for the degree shall have been awarded a Bachelor of Medicine and Bachelor of Surgery from the University of New South Wales or a qualification considered equivalent from another university or tertiary institution at a level acceptable to the Higher Degree Committee of the Faculty of Medicine. Additional prerequisites may be specified by the program authority.

(d) For other Graduate Certificate programs, a candidate for the degree shall have been awarded an appropriate degree of Bachelor of three full-time years' duration (or the part-time equivalent) from the University of New South Wales or a qualification considered equivalent from another university or tertiary institution at a level acceptable to the Higher Degree Committee of the Faculty of Medicine. Additional prerequisites may be specified by the program authority.

### Admission to Research Programs – Doctor of Philosophy, Masters

For detailed information about individual programs, please refer to the relevant entry under 'Program Rules and Information'. Eligibility for admission to postgraduate research programs is determined by the Higher Degree Committee of the Faculty of Medicine.

(a) Candidates with an Honours degree (at least Class 2 Division 1) in a relevant discipline, or with an MB BS from an Australian or New Zealand university, are in general considered eligible for admission to a PhD program.

(b) Candidates with Honours below Class 2 Division 1, or who have not been awarded an Honours degree, need to demonstrate appropriate research experience and are in general considered eligible for admission to a PhD program if able to provide evidence of first authorship on at least one refereed paper in a journal of sufficient standing. The eligibility of all such candidates is determined on a case-by-case basis.

(c) Candidates with an MB BS or other medical degree from another country need to demonstrate outstanding academic performance, relevant experience or other qualifications to enrol in a PhD, but are in general considered to be eligible to enrol in a Masters by research.

(d) Candidates with a Bachelor degree (not an Honours degree) and experience in a research laboratory, but no first author publications in refereed journals of sufficient standing, are in the first instance considered to be eligible to enrol in a qualifying program, subject to availability of a place. Those applying for a PhD will usually be advised to enrol for an MSc, with later upgrade to a PhD if appropriate.

### Admission to Research Programs – Doctor of Medicine, Master of Surgery

For detailed information about individual programs, please refer to the relevant entry under 'Program Rules and Information'.

### Postgraduate Enrolment Procedures

All students enrolling or re-enrolling in postgraduate programs should contact their School Office for information on enrolment. School offices will provide detailed information on enrolment procedures and fees, enrolment in miscellaneous courses, locations and hours of cashiers and late enrolment details. Students interested in undertaking a postgraduate program should consult the appropriate Head of School or the Postgraduate Administrative Officer, Office of the Dean.

### Advice to Students on Computing Requirements and Email Policy

For details on computer recommendations and specifications see the *IT Requirements for UNSW Students* policy at: [www.its.unsw.edu.au/policies/policies\\_home.html](http://www.its.unsw.edu.au/policies/policies_home.html)

The Faculty of Medicine provides support for computers owned by UNSW that are being used by graduate students. To access support, graduate students must obtain approval from their supervisor and then call the IT Service Desk on (02) 9385 1333.

All official email from the Faculty of Medicine will be sent to students' UNSW email accounts. It is expected that all UNSW students will either routinely check their UNSW email account or have their UNSW email account forwarded to another email address. Information about managing

your UNSW email account can be obtained from [www.disconnect.unsw.edu.au](http://www.disconnect.unsw.edu.au)

### Criminal Record Checks

The NSW Department of Health has a policy that all students who require access in any capacity to facilities operated by the Department must undergo a criminal record check prior to employment or placement in any capacity in the NSW Health System. The check is conducted by the NSW Police Service and is coordinated by the Department of Health and the University. Further details are available on the Faculty's website at [www.med.unsw.edu.au](http://www.med.unsw.edu.au)

Students who fail to satisfy the requirements of this check at any point during their enrolment in postgraduate programs accessing NSW Health facilities will be excluded from the program. Depending upon the circumstances at the time, students may be eligible to transfer to another program at the University.

### Working with Children

Under the *Commission for Children and Young People Act 1998* and the *Child Protection (Prohibited Employment) Act 1998*, students who as part of their enrolment are required to have direct contact with children must declare whether they are a 'prohibited person', that is whether they have been convicted of a serious sex offence. It is an offence for a 'prohibited person' to work with children.

Any student who is a 'prohibited person' at any point during their enrolment in a postgraduate program will be excluded from the program. Depending upon the circumstances at the time, students may be eligible to transfer to another program at the University.

### Students with Blood-borne Viruses and Immunisation for Students

In order to be enrolled in a UNSW Faculty of Medicine postgraduate program, students must agree to comply with the Faculty's Immunisation and Blood-borne Viruses Policy, which aims to minimise the risk of students contracting or spreading an infectious disease or blood-borne virus, such as HIV, and Hepatitis B or C. Students who undertake or could reasonably be expected to undertake exposure-prone procedures have a professional responsibility to take appropriate steps to know their infective status in relation to blood-borne viruses. A student who is aware he or she has a blood-borne virus infection must not undertake exposure-prone procedures.

Any infective student who knowingly undertakes an exposure-prone procedure or any student who in any other way endangers the health of patients will be reported to the Medical Board's Impaired Practitioner Program. This may result in registration being withdrawn, which will result in expulsion from the postgraduate program. Such a student would also be subject to the University's Student Misconduct procedures and may further be liable to criminal prosecution if a blood-borne virus is knowingly transmitted.

The Immunisation and Blood-borne Viruses policy of the Faculty of Medicine can be found on the website at [www.med.unsw.edu.au](http://www.med.unsw.edu.au). Students could be required to sign a statement indicating that they have read and agree to comply with this policy at the time of enrolment.

## Summary of Programs

### Postgraduate Programs

The Faculty of Medicine offers the following postgraduate programs:

#### Doctorates

Doctor of Medicine (MD)  
Doctor of Philosophy (PhD)

#### Masters

Master of Clinical Education (MClEd)  
Master of Medical Science in Drug Development (MMedSc)  
Master of Health Administration (MHA)  
Master of Health Services Management (MHSM)  
Master of Health Professions Education (MHPEd)  
Master of Medicine (MMed)  
Master of Medicine in Geriatrics (MMed)  
Master of Public Health (MPH)  
Master of Reproductive Medicine (MRMed)  
Master of Science (MSc)  
Master of Sports Medicine (MSpMed)  
Master of Surgery (MS)

### Graduate Diplomas

Graduate Diploma in Clinical Education (GradDipClinEd)  
 Graduate Diploma in Drug Development (GradDipDD)  
 Graduate Diploma in Geriatric Medicine (GradDip)  
 Graduate Diploma in Paediatrics (DipPaed)  
 Graduate Diploma in Public Health (GradDipPH)  
 Graduate Diploma in Reproductive Medicine (GradDip)  
 Graduate Diploma in Sports Medicine (GradDipSpMed)

### Graduate Certificates

Graduate Certificate in Clinical Education (GradCert)  
 Graduate Certificate in Drug Development (GradCertDD)  
 Graduate Certificate in Geriatric Medicine (GradCert)  
 Graduate Certificate in Health Services Management (GradCertHSM)  
 Graduate Certificate in Public Health (GradCertPH)  
 Graduate Certificate in Reproductive Medicine (GradCert)  
 Graduate Certificate in Sports Medicine (GradCertSpMed)  
 Graduate Certificate in University Learning and Teaching (GradCert)

### Postgraduate Research Programs

Doctor of Medicine (MD)  
 Doctor of Philosophy (PhD)  
 Master of Science (MSc)  
 Master of Medicine (MMed)  
 Master of Surgery (MS)

Full details of the conditions of the award of research degrees are shown later in this Faculty section under 'Program Rules and Information'.

Other research degrees may be offered by schools of the Faculty, please refer to the relevant school section.

#### Doctor of Medicine MD

This degree is a research program requiring a candidate to make an original and meritorious contribution to some branch of medicine. The program may be completed by:

- thesis with supervision, or
- published work.

#### Doctor of Philosophy PhD

This is a degree requiring an original and significant contribution to knowledge in an approved area.

#### Master of Science MSc

This is the main Masters level research program for postgraduate students in the Faculty of Medicine. Candidates must demonstrate ability to undertake research by the submission of a thesis embodying the results of an original investigation.

#### Master of Medicine MMed

This is a Masters level research program for postgraduate medical students in the Faculty of Medicine. Candidates must demonstrate ability to undertake research by the submission of a thesis embodying the results of an original investigation. The program may be undertaken either with or without supervision.

#### Master of Surgery MS

This is a Masters level research program for postgraduate medical students in the Faculty of Medicine. The degree of Master of Surgery may be awarded to a candidate who has made an original contribution to knowledge in some field related to surgery.

## Program Rules and Information

### Doctor of Medicine

#### MD

The degree of Doctor of Medicine (MD) is offered in the Faculty of Medicine in the following programs:

0420 Anatomy  
 0430 Community Medicine  
 0350 Medicine (POW Clinical School)  
 0352 Medicine (St George Clinical School)  
 0353 Medicine (St Vincent's Clinical School)  
 0351 Medicine (SWS Clinical School)  
 0380 Obstetrics and Gynaecology  
 0410 Paediatrics  
 0360 Pathology  
 0370 Physiology and Pharmacology  
 0390 Psychiatry  
 0375 Rural Health

0400 Surgery (POW Clinical School)  
 0402 Surgery (St George Clinical School)  
 0403 Surgery (St Vincent's Clinical School)  
 0401 Surgery (SWS Clinical School)

#### Typical Duration

3 years

#### Minimum UOC for Award

144 units of credit

#### Typical UOC per Session

24 units of credit

### Program Description

The Doctor of Medicine (MD) program is recognition of successful research experience.

### Program Objectives and Learning Outcomes

This degree requires an original and significant contribution to knowledge in an approved area and requires the preparation of a thesis or published work.

### Program Structure

A candidate shall be required to undertake an original investigation on a topic approved by the Committee and may also be required to undergo such examination and perform such other work as may be prescribed by the Committee. The work shall be carried out under the direction of a supervisor appointed by the Committee from the academic staff of the University.

#### Location of Research

The approved applicant may undertake their enrolment with a part-time or full-time load at the University, at one of its teaching hospitals or a research facility with which the University is associated; the Committee may permit a candidate to spend a period in the field, within another institution or elsewhere away from the University if it is satisfied that this is necessary to the research program and provided that the work can be supervised in a manner satisfactory to the Committee.

If the candidate's research work is based externally, there must be a minimum acceptable level of supervision that will be determined by the Committee.

#### Enrolment Requirement

A student is only permitted to submit only after 144 units of credits (UOC) have been undertaken. A full-time load during one Session is worth 24 UOC and a part-time load is worth 12 UOC.

In the case of a candidate who has been awarded the degrees of Bachelor of Medicine and Bachelor of Surgery with Honours or who has had previous research experience, the Committee may approve remission of up to two sessions for a full-time candidate and four sessions for a part-time or external candidate.

Candidates should not exceed the upper enrolment-limit of 192UOC. Financial penalties may occur as a result.

### Academic Rules

**If the Committee is not satisfied with the qualifications submitted by an applicant, the Committee may recommend enrolment into an alternative program so that the candidate may be allowed to demonstrate the qualities required for progression to the MD by thesis.**

**If progression to the MD by thesis is approved, the candidate shall not submit a thesis for the degree until such period of time has elapsed as per approval of the Committee.**

### Conditions for the Award of the Degree Doctor of Medicine (MD) by published work\*

1. The degree of Doctor of Medicine by published work may be awarded by the Council on the recommendation of the Higher Degree Committee of the Faculty of Medicine (hereinafter referred to as the Committee) to a candidate who has made an original and meritorious contribution to some branch of medicine.

#### Qualification

2. A candidate for the degree shall:

- (1) hold the degrees of Bachelor of Medicine and Bachelor of Surgery from the University of New South Wales of at least five years standing; or
- (2) hold the degrees of Bachelor of Medicine and Bachelor of Surgery or a qualification considered equivalent from a university other than the University of New South Wales with at least five years' standing and have



been associated with the University of New South Wales or one of its teaching hospitals for a period of at least four years.

#### Enrolment and Progression

3. A candidate for the degree on the basis of published work shall lodge with the Registrar an application together with:

- (1) four copies (if possible) of the published work;
- (2) any additional work, published or unpublished, that a candidate may wish to submit in support of the application;
- (3) a declaration indicating those sections of the work, if any, that have been submitted previously for a university degree or other similar award.

4. Every candidate in submitting published work and such unpublished work as is deemed appropriate shall submit a short discourse describing the research activities embodied in the submission and the ways in which the work relates to a central theme or themes. The discourse shall make clear the extent of the originality of the work and the candidate's part in any collaborative effort including hypothesis generation, design and execution of experiments, supervision of others doing experiments, analysis of results, and contribution to meetings of the research team.

#### Examination

5. There shall normally be three examiners of the work, appointed by the Committee, at least two of whom shall be external to the University.

6. Before the work referred to in 3. (1), (2) above is submitted to the examiners the head of the appropriate school\*\* shall certify that it is prima facie worthy of examination.

7. At the conclusion of the examination each examiner shall submit a concise report to the Committee on the merits of the published work and a recommendation as to whether the degree should be awarded. The examiners may require the candidate to answer orally or in writing any questions concerning the work.

#### Fees

8. A candidate shall be required to pay such fees as may be determined from time to time by the Council.

\* In these rules, the term 'published work' shall mean printed as a book or in a periodical or as a pamphlet readily available to the public. The purpose of requiring publication is to ensure that the work submitted has been available for criticism. The examiners may disregard any of the work submitted if, in their opinion, it has not been available for criticism.

### Conditions for the Award of the Degree Doctor of Medicine (MD) by thesis

1. The degree of Doctor of Medicine by thesis may be awarded by the Council on the recommendation of the Higher Degree Committee of the Faculty of Medicine (hereinafter referred to as the Committee) to a candidate who has made an original and meritorious contribution to some branch of medicine.

#### Qualifications

2. (1) A candidate for the degree shall:

- (a) hold the degrees of Bachelor of Medicine and Bachelor of Surgery from the University of New South Wales at a level acceptable to the Committee; or
- (b) hold the degrees of Bachelor of Medicine and Bachelor of Surgery or a qualification considered equivalent from a university other than the University of New South Wales at a level acceptable to the Committee; or
- (c) in exceptional cases, submit such evidence of academic and professional attainments in support of the candidature as may be approved by the Committee.

(2) If the Committee is not satisfied with the qualifications submitted by an applicant the Committee may require the applicant to undergo such examination or carry out such work as the Committee may prescribe, before permitting enrolment.

(3) A candidate enrolled under 2. (1)(a) or (b) above shall not submit a thesis for the degree until the lapse of five years from the date of the award of the degrees mentioned therein.

(4) A candidate enrolled under 2. (1)(c) above shall not submit a thesis for the degree until such period of time has elapsed since enrolment as the Committee shall decide at the time of approving enrolment.

#### Enrolment and Progression

3. (1) An application to enrol as a candidate for the degree by thesis shall be made on the prescribed form which shall be lodged with the Registrar

at least one calendar month before the commencement of the session in which enrolment is to begin.

(2) In every case, before permitting a candidate to enrol, the Committee shall be satisfied that initial agreement has been reached between the school\*\* and the applicant on the topic area, supervision arrangements, provision of adequate facilities and any coursework to be prescribed and that these are in accordance with the provisions of the guidelines for promoting postgraduate study within the University.

(3) An approved applicant shall be enrolled in one of the following categories:

(a) full-time candidature: a candidate who is fully engaged in advanced study and research at the University, at one of its teaching hospitals or a research facility with which the University is associated; the Committee may permit a candidate to spend a period in the field, within another institution or elsewhere away from the University if it is satisfied that this is necessary to the research program and provided that the work can be supervised in a manner satisfactory to the Committee.

(b) part-time candidature: a candidate whose occupation leaves the candidate substantially free to pursue a program of advanced study and research at a campus or research facility of the University.

(c) external candidature: a candidate who is engaged in advanced study and research away from the University, and under such supervision, as determined by the Committee.

(4) A candidate shall be required to undertake an original investigation on a topic approved by the Committee. The candidate may also be required to undergo such examination and perform such other work as may be prescribed by the Committee.

(5) The work shall be carried out under the direction of a supervisor appointed by the Committee from the academic staff of the University.

(6) The progress of a candidate shall be considered by the Committee following a report from the School in accordance with the procedures established within the School and previously noted by the Committee.

(i) The research proposal will be reviewed as soon as feasible after enrolment. For a full-time student, this will normally be during the first year of study, or immediately following a period of prescribed coursework. The review will focus on the viability of the research proposal.

(ii) Progress will then be reviewed within twelve months of the first review. As a result of either review, the Committee may cancel enrolment or take such other action as it considers appropriate. Thereafter, the progress of the candidate will be reviewed annually.

(7) No candidate shall be awarded the degree until the lapse of six academic sessions in the case of a full-time candidate or eight academic sessions in the case of a part-time or external candidate from the date of enrolment. In the case of a candidate who has been awarded the degrees of Bachelor of Medicine and Bachelor of Surgery with Honours or who has had previous research experience, the Committee may approve remission of up to two sessions for a full-time candidate and four sessions for a part-time or external candidate.

(8) A full-time candidate for the degree shall present for examination not later than ten academic sessions from the date of enrolment. A part-time or external candidate shall present for examination not later than twelve academic sessions from the date of enrolment. In special cases an extension of these times may be granted by the Committee.

#### Thesis

4. (1) A candidate shall submit a thesis embodying the results of the investigation.

(2) A candidate shall give in writing to the Registrar two months notice of intention to submit the thesis.

(3) The thesis shall comply with the following requirements.

(a) it must be an original and meritorious contribution to knowledge of the subject;

(b) it must be written in English and reach a satisfactory standard of expression and presentation;

(c) it must consist of the candidate's own account of the research; in special cases work done conjointly with other persons may be accepted provided the Committee is satisfied about the extent of the candidate's part in the joint research.

(4) A candidate may not submit as the main content of the thesis any work or material which has previously been submitted for a university degree or other similar award but may submit any work otherwise previously published, whether or not it is related to the thesis.

(5) The thesis shall contain a certificate signed by the candidate indicating specifically the extent to which the work embodied in the thesis is directly attributable to the candidate's own research and the extent to which the thesis has benefited from collaboration with persons other than the supervisor.

(6) Four copies of the thesis shall be presented in a form which complies with the requirements of the University for the preparation and submission of higher degree theses.

(7) It shall be understood that the University retains the four copies of the thesis submitted for examination and is free to allow the thesis to be consulted or borrowed. Subject to the provisions of the Copyright Act, 1968, the University may issue the thesis, in whole or in part, in photostat or microfilm or other copying medium.

**Examination**

5. (1) There shall be not fewer than three examiners of the thesis, appointed by the Committee, at least two of whom shall be external to the University.

(2) At the conclusion of the examination each examiner shall submit to the Committee a concise report on the thesis and shall recommend to the Committee that;

(a) the candidate be awarded the degree without further examination; *or*

(b) the candidate be awarded the degree without further examination subject to minor corrections as listed being made to the satisfaction of the Head of School; *or*

(c) the candidate be awarded the degree subject to a further examination on questions posed in the report, performance in this further examination being to the satisfaction of the Committee; *or*

(d) the candidate be not awarded the degree but be permitted to resubmit the thesis in a revised form after a further period of study and/or research; *or*

(e) the candidate be not awarded the degree and be not permitted to resubmit the thesis.

(3) if the performance at the further examination recommended under (2)(c) above is not to the satisfaction of the Committee it may permit the candidate to submit the thesis for further examination as determined by the Committee within a period specified by it but not exceeding eighteen months.

(4) The Committee shall, after consideration of the examiners' reports and the results of any further examination, recommend whether or not the candidate may be awarded the degree.

**Fees**

6. A candidate shall pay such fees as may be determined from time to time by the Council.

*\*\*'School' is used here and elsewhere in these conditions to mean any teaching unit authorised to enrol research students and includes a department where that department is not within a school, or schools or departments where the research is being undertaken in more than one school or department; a centre given approval by the Academic Board to enrol students; and an interdisciplinary unit within a faculty and under the control of the Dean of the Faculty. Enrolment is permitted in more than one such teaching unit.*

**Doctor of Philosophy**

**PhD**

The degree of Doctor of Philosophy (PhD) is offered in the Faculty of Medicine in the following programs:

|      |   |
|------|---|
| 1750 | Anatomy                                 |
| 1770 | Medicine (Prince Henry/POW)             |
| 1772 | Medicine (St George Clinical School)    |
| 1773 | Medicine (St Vincent's Clinical School) |
| 1771 | Medicine (SWS Clinical School)          |
| 1820 | Obstetrics and Gynecology               |
| 1780 | Pathology                               |
| 1830 | Pediatrics                              |
| 1790 | Physiology and Pharmacology             |
| 1800 | Psychiatry                              |
| 1835 | Public Health & Community Medicine      |
| 1795 | Rural Health                            |
| 1810 | Surgery (POW Clinical School)           |
| 1812 | Surgery (St George Clinical School)     |
| 1813 | Surgery (St Vincent's Clinical School)  |
| 1811 | Surgery (SWS Clinical School)           |

**Typical Duration**

3 years

**Minimum UOC for Award**

144 units of credit

**Typical UOC per Session**

24 units of credit

**Program Description**

The Doctor of Philosophy (PhD) program is recognition of successful research experience. This degree requires an original and significant contribution to knowledge in an approved area. The degree requires a minimum of 3 years full-time study and preparation of a thesis.

**Program Objectives and Learning Outcomes**

The degree of Doctor of Philosophy may be awarded by the Council on the recommendation of the Research Committee of the appropriate faculty or board (hereinafter referred to as the Committee) to a candidate who has made an original and significant contribution to knowledge.

The length of a doctoral thesis normally should not exceed 100,000 words of text and should be submitted for examination within 3 years of full-time study.

**Program Structure**

**Location**

The candidate may undertake the research as an internal student i.e. at a campus, teaching hospital, or other research facility with which the University is associated, or as an external student not in attendance at the University except for periods as may be prescribed by the Committee.

The approved applicant may undertake their enrolment with a part-time or full-time load at the University, at one of its teaching hospitals or a research facility with which the University is associated; the Committee may permit a candidate to spend a period in the field, within another institution or elsewhere away from the University if it is satisfied that this is necessary to the research program and provided that the work can be supervised in a manner satisfactory to the Committee.

If the candidate's research work is based externally, there must be a minimum acceptable level of supervision that will be determined by the Committee. Normally an external candidate within another organisation or institution will have a co-supervisor at that institution.

**Candidature**

A candidate shall be required to undertake an original investigation on a topic approved by the Committee and may also be required to undergo such examination and perform such other work as may be prescribed by the Committee. The work shall be carried out under the direction of a supervisor appointed by the Committee from the academic staff of the University.

A candidate shall be enrolled for a minimum of 144 units of credit (UOC) and up to a maximum of 192 UOC. A full-time load during one session is worth 24 UOC and a part-time load is worth 12 UOC.

**Academic Rules**

**Conditions for the Award of the Degree Doctor of Philosophy (PhD)**

1. The degree of Doctor of Philosophy may be awarded by the Council on the recommendation of the Higher Degree Committee of the appropriate faculty or board (hereinafter referred to as the Committee) to a candidate who has made an original and significant contribution to knowledge.

**Qualifications**

2. (1) A candidate for the degree shall have been awarded an appropriate degree of Bachelor with Honours from the University of New South Wales or a qualification considered equivalent from another university or tertiary institution at a level acceptable to the Committee.

(2) In exceptional cases an applicant who submits evidence of such other academic and professional qualifications as may be approved by the Committee may be permitted to enrol for the degree.

(3) If the Committee is not satisfied with the qualifications submitted by an applicant the Committee may require the applicant to undergo such assessment or carry out such work as the Committee may prescribe, before permitting enrolment as a candidate for the degree.

**Enrolment**

3. (1) An application to enrol as a candidate for the degree shall be lodged with the Registrar at least one month prior to the date at which enrolment is to begin.



(2) In every case before making the offer of a place the Committee shall be satisfied that initial agreement has been reached between the \*School and the applicant on the topic area, supervision arrangements, provision of adequate facilities and any coursework to be prescribed and that these are in accordance with the provisions of the guidelines for promoting postgraduate study within the University.

(3) The candidate shall be enrolled either as a full-time or a part-time student.

(4) A full-time candidate will present the thesis for examination no earlier than three years and no later than five years from the date of enrolment and a part-time candidate will present the thesis for examination no earlier than four years and no later than six years from the date of enrolment, except with the approval of the Committee.

(5) The candidate may undertake the research as an internal student i.e. at a campus, teaching hospital, or other research facility with which the University is associated, or as an external student not in attendance at the University except for periods as may be prescribed by the Committee.

(6) An internal candidate will normally carry out the research on a campus or at a teaching or research facility of the University except that the Committee may permit a candidate to spend a period in the field, within another institution or elsewhere away from the University provided that the work can be supervised in a manner satisfactory to the Committee. In such instances the Committee shall be satisfied that the location and period of time away from the University are necessary to the research program.

(7) The research shall be supervised by a supervisor and where possible a co-supervisor who are members of the academic staff of the School or under other appropriate supervision arrangements approved by the Committee. Normally an external candidate within another organisation or institution will have a co-supervisor at that institution.

#### Progression

4. The progress of the candidate shall be considered by the Committee following report from the School in accordance with the procedures established within the School and previously noted by the Committee.

(i) The research proposal will be reviewed as soon as feasible after enrolment. For a full-time student this will normally be during the first year of study, or immediately following a period of prescribed coursework. This review will focus on the viability of the research proposal.

(ii) Progress in the course will be reviewed within twelve months of the first review. As a result of either review the Committee may cancel enrolment or take such other action as it considers appropriate. Thereafter, the progress of the candidate will be reviewed annually.

#### Thesis

5. (1) On completing the program of study a candidate shall submit a thesis embodying the results of the investigation.

(2) The candidate shall give in writing to the Registrar two months notice of intention to submit the thesis.

(3) The thesis shall comply with the following requirements:

(a) it must be an original and significant contribution to knowledge of the subject;

(b) the greater proportion of the work described must have been completed subsequent to enrolment for the degree;

(c) it must be written in English except that a candidate in the Faculty of Arts and Social Sciences may be required by the Committee to write a thesis in an appropriate foreign language;

(d) it must reach a satisfactory standard of expression and presentation;

(e) it must consist of an account of the candidate's own research but in special cases work done conjointly with other persons may be accepted provided the Committee is satisfied about the extent of the candidate's part in the joint research.

(4) The candidate may not submit as the main content of the thesis any work or material which has previously been submitted for a university degree or other similar award, but may submit any work previously published whether or not such work is related to the thesis.

(5) Four copies of the thesis shall be presented in a form which complies with the requirements of the University for the preparation and submission of theses for higher degrees.

(6) It shall be understood that the University retains the four copies of the thesis submitted for examination and is free to allow the thesis to be consulted or borrowed. Subject to the provisions of the Copyright Act, 1968, the University may issue the thesis in whole or in part, in photostat or microfilm or other copying medium.

#### Examination

6. (1) There shall be not fewer than three examiners of the thesis, appointed by the Committee, at least two of whom shall be external to the University.

(2) At the conclusion of the examination each examiner shall submit to the Committee a concise report on the thesis and shall recommend to the Committee that one of the following:

(a) The thesis merits the award of the degree.

(b) The thesis merits the award of the degree subject to minor corrections as listed being made to the satisfaction of the head of school.

(c) The thesis requires further work on matters detailed in my report. Should performance in this further work be to the satisfaction of the higher degree Committee, the thesis would merit the award of the degree.

(d) The thesis does not merit the award of the degree in its present form and further work as described in my report is required. The revised thesis should be subject to re-examination.

(e) The thesis does not merit the award of the degree and does not demonstrate that resubmission would be likely to achieve that merit.

(3) If the performance in the further work recommended under (2)(c) above is not to the satisfaction of the Committee, the Committee may permit the candidate to submit the thesis for re-examination as determined by the Committee within a period determined by it but not exceeding eighteen months.

(4) After consideration of the examiners' reports and the results of any further examination of the thesis, the Committee may require the candidate to submit to written or oral examination before recommending whether or not the candidate be awarded the degree. If it is decided that the candidate be not awarded the degree, the Committee shall determine whether or not the candidate be permitted to resubmit the thesis after a further period of study and/or research.

#### Fees

7. A candidate shall pay such fees as may be determined from time to time by the Council.

*\*School' is used here and elsewhere in these conditions to mean any teaching unit authorised to enrol research students and includes a department where that department is not within a school, a centre given approval by the Academic Board to enrol students, and an interdisciplinary unit within a faculty and under the control of the Dean of the Faculty. Enrolment is permitted in more than one such teaching unit.*

#### Qualification Requirements for Application

1. Candidates with an Honours degree (at least Class 2 Division 1) in a relevant discipline, or with an MBBS from an Australian or New Zealand university, are in general considered eligible for admission to a PhD program, or

2. Candidates with Honours below Class 2 Division 1, or who have not been awarded an Honours degree, need to demonstrate appropriate research experience and are in general considered eligible for admission to a PhD program if able to provide evidence of first authorship on at least one refereed paper in a journal of sufficient standing. However, first authorship on a publication is not an absolute prerequisite and the eligibility of all such candidates is determined on a case-by-case basis, or

3. Candidates with an MBBS or other medical degree from another country are in the first instance considered to be eligible to enrol for a research Masters program, with later upgrade to a PhD if appropriate. Direct enrolment for a PhD may be approved on the basis of strong support from the proposed supervisor and the relevant Head of School, or

4. Candidates with a Bachelor's degree (not an Honours degree) and relevant experience, but no first author publications in refereed journals of sufficient standing, may be eligible to enrol in a research Masters program on the basis of support from the proposed supervisor and the relevant Head of School, with later upgrade to a PhD if appropriate. Uncommonly, direct enrolment for a PhD may be approved on the basis of strong support from the proposed supervisor and the relevant Head of School.

#### Master of Science by Research

##### MSc

The degree of Master of Science by Research (MSc) is offered in the Faculty of Medicine in the following programs:

|      |                    |
|------|--------------------|
| 2800 | Anatomy            |
| 2810 | Community Medicine |

|      |   |
|------|---|
| 2820 | Medicine (POW Clinical School)          |
| 2822 | Medicine (St George Clinical School)    |
| 2823 | Medicine (St Vincent's Clinical School) |
| 2821 | Medicine (SWS Clinical School)          |
| 2830 | Obstetrics and Gynaecology              |
| 2805 | Paediatrics                             |
| 2840 | Pathology                               |
| 2850 | Physiology and Pharmacology             |
| 2880 | Psychiatry                              |
| 2835 | Rural Health                            |
| 2875 | Surgery (POW Clinical School)           |
| 2877 | Surgery (St George Clinical School)     |
| 2878 | Surgery (St Vincent's Clinical School)  |
| 2876 | Surgery (SWS Clinical School)           |

**Typical Duration**

2 years

**Minimum UOC for Award**

96 units of credit

**Typical UOC per Session**

24 units of credit

**Program Description**

This is the main Masters level research program for postgraduate students in the Faculty of Medicine. Candidates must demonstrate ability to undertake research by the submission of a thesis embodying the results of an original investigation. The program may be undertaken either with or without supervision.

**Program Objectives and Learning Outcomes**

The degree of Master of Science by research may be awarded by the Council on the recommendation of the Higher Degree Committee of the appropriate faculty (hereinafter referred to as the Committee) to a candidate who has demonstrated ability to undertake research by the submission of a thesis embodying the results of an original investigation.

**Program Structure**

**Candidature**

A candidate shall be enrolled for a minimum of 96 units of credit (UOC) and up to a maximum of 144 UOC. A full-time load during one session is worth 24 UOC and a part-time load is worth 12 UOC.

**Academic Rules**

**Progression**

After commencement, the candidate will be reviewed by the School.

1. For a full-time student, the review will be conducted six months after commencement. The review will focus on the viability of the research proposal.

2. Progress will then be reviewed within twelve months of the first review. If a candidate's progress during either review is found to be dissatisfactory, the Committee may cancel enrolment or take such other action as it considers appropriate.

Thereafter, the progress of the candidate will be reviewed annually.

**Conditions for the Award of the Degree Master of Science (MSc)**

1. The degree of Master of Science by research may be awarded by the Council on the recommendation of the Higher Degree Committee of the appropriate faculty (hereinafter referred to as the Committee) to a candidate who has demonstrated ability to undertake research by the submission of a thesis embodying the results of an original investigation.

**Qualifications**

2. (1) A candidate for the degree shall have been awarded an appropriate degree of Bachelor from the University of New South Wales or a qualification considered equivalent from another university or tertiary institution at a level acceptable to the Committee.

(2) An applicant who submits evidence of such other academic or professional attainments as may be approved by the Committee may be permitted to enrol for the degree.

(3) When the Committee is not satisfied with the qualifications submitted by an applicant the Committee may require the applicant, before being permitted to enrol, to undergo such examination or carry out such work as the Committee may prescribe.

**Enrolment and Progression**

3. (1) An application to enrol as a candidate for the degree shall be made on the prescribed form which shall be lodged with the Registrar at least

one calendar month before the commencement of the session in which enrolment is to begin.

(2) In every case, before permitting a candidate to enrol, the Head of the School\* in which the candidate intends to enrol shall be satisfied that adequate supervision and facilities are available.

(3) An approved candidate shall be enrolled in one of the following categories:

(a) full-time attendance at the University;

(b) part-time attendance at the University;

(c) external not in regular attendance at the University and using research facilities external to the University.

(4) A candidate shall be required to undertake an original investigation on an approved topic. The candidate may also be required to undergo such examination and perform such other work as may be prescribed by the Committee.

(5) The work shall be carried out under the direction of a supervisor appointed from the full-time members of the University staff.

(6) The progress of a candidate shall be reviewed annually by the Committee following a report by the candidate, the supervisor and the Head of the School in which the candidate is enrolled and as a result of such review the Committee may cancel enrolment or take such other action as it considers appropriate.

(7) No candidate shall be granted the degree until the lapse of three academic sessions in the case of a full-time candidate or four academic sessions in the case of a part-time or external candidate from the date of enrolment. In the case of a candidate who has been awarded the degree of Bachelor with Honours or who has had previous research experience the Committee may approve remission of up to one session for a full-time candidate and two sessions for a part-time or external candidate

(8) A full-time candidate for the degree shall present for examination not later than six academic sessions from the date of enrolment. A part-time or external candidate for the degree shall present for examination not later than ten academic sessions from the date of enrolment. In special cases an extension of these times may be granted by the Committee.

**Thesis**

4. (1) On completing the program of study a candidate shall submit a thesis embodying the results of the original investigation.

(2) The candidate shall give in writing two months notice of intention to submit the thesis.

(3) The thesis shall present an account of the candidate's own research. In special cases work done conjointly with other persons may be accepted, provided the Committee is satisfied about the extent of the candidate's part in the joint research.

(4) The candidate may also submit any work previously published whether or not such work is related to the thesis.

(5) Three copies of the thesis shall be presented in a form which complies with the requirements of the University for the preparation and submission of higher degree theses.

(6) It shall be understood that the University retains the three copies of the thesis submitted for examination and is free to allow the thesis to be consulted or borrowed. Subject to the provisions of the Copyright Act, 1968, the University may issue the thesis in whole or in part, in photostat or microfilm or other copying medium.

**Examination**

5. (1) There shall be not fewer than two examiners of the thesis, appointed by the Committee, at least one of whom shall be external to the University unless the Committee is satisfied that this is not practicable.

(2) At the conclusion of the examination each examiner shall submit to the Committee a concise report on the merits of the thesis and shall recommend to the Committee that:

(a) the candidate be awarded the degree without further examination; *or*

(b) the candidate be awarded the degree without further examination subject to minor corrections as listed being made to the satisfaction of the Head of the School\*; *or*

(c) the candidate be awarded the degree subject to a further examination on questions posed in the report, performance in this further examination being to the satisfaction of the Committee; *or*

(d) the candidate be not awarded the degree but be permitted to resubmit the thesis in a revised form after a further period of study and/or research; *or*

(e) the candidate be not awarded the degree and be not permitted to resubmit the thesis.

(3) If the performance at the further examination recommended under (2)(c) above is not to the satisfaction of the Committee, the Committee may permit the candidate to represent the same thesis and submit to a further oral, practical or written examination within a period specified by it but not exceeding eighteen months.

(4) The Committee shall, after consideration of the examiners' reports and the reports of any oral or written or practical examination, recommend whether or not the candidate may be awarded the degree. If it is decided that the candidate be not awarded the degree the Committee shall determine whether or not the candidate may resubmit the thesis after a further period of study and/or research.

#### Fees

6. A candidate shall pay such fees as may be determined from time to time by the Council.

*\* 'School' is used here and elsewhere in these conditions to mean any teaching unit authorised to enrol research students and includes a department where that department is not within a school, or schools or departments where the research is being undertaken in more than one school or department; a centre given approval by the Academic Board to enrol students; and an interdisciplinary unit within a faculty and under the control of the Dean of the Faculty. Enrolment is permitted in more than one such teaching unit.*

## Master of Medicine

### MMed

The degree of Master of Medicine is offered in the Faculty of Medicine in the following program:

2515 Medicine

#### Typical Duration

2 years

#### Minimum UOC for Award

96 units of credit

#### Typical UOC per Session

24 units of credit

### Program Description

This is a Masters level research program for postgraduate medical students in the Faculty of Medicine. Candidates must demonstrate ability to undertake research by the submission of a thesis embodying the results of an original investigation. Candidates must have at least three years experience of in the practice of medicine and be currently so engaged.

### Program Objectives and Learning Outcomes

The degree of Master of Medicine by research may be awarded by the Council on the recommendation of the Higher Degree Committee of the Faculty of Medicine (hereinafter referred to as the Committee) to a candidate who has demonstrated ability to undertake research by the submission of a thesis embodying the results of an original investigation.

### Program Structure

#### Candidature

A candidate shall be enrolled for a minimum of 96 units of credit (UOC) and up to a maximum of 144 UOC. A full-time load during one Session is worth 24 UOC and a part-time load is worth 12 UOC.

### Academic Rules

#### Conditions for the Award of the Degree Master of Medicine (MMed) by Research with supervision

1. The degree of Master of Medicine by research may be awarded by the Council on the recommendation of the Higher Degree Committee of the Faculty of Medicine (hereinafter referred to as the Committee) to a candidate who has demonstrated ability to undertake research by the submission of a thesis embodying the results of an original investigation.

#### Qualifications

2. (1) A candidate for the degree shall have been awarded Bachelor of Medicine and Bachelor of Surgery from the University of New South Wales or a qualification considered equivalent from another university or tertiary institution at a level acceptable to the Higher Degree Committee of the Faculty of Medicine. It must be noted that the Master of Medicine

is intended for postgraduates who have medical degrees registrable in Australia and who are able to secure an appropriate appointment, salaried or otherwise, in a teaching hospital recognised by the University of New South Wales.

(2) If the Committee is not satisfied with the qualifications submitted by an applicant the Committee may require the applicant, before being permitted to enrol, to undergo such examination or carry out such work as the Committee may prescribe.

#### Enrolment and Progression

3. (1) An application to enrol as a candidate for the degree shall be made on the prescribed form which shall be lodged with the Registrar at least one calendar month before the commencement of the session in which enrolment is to begin.

(2) In every case, before permitting a candidate to enrol, the Head of School shall be satisfied that adequate supervision and facilities are available.

(3) An approved candidate shall be enrolled in one of the following categories:

(a) full-time attendance at the University;

(b) part-time attendance at the University;

(c) external not in regular attendance at the University and using research facilities external to the University

(4) A candidate shall be required to undertake an original investigation on an approved topic. The candidate may also be required to undergo such examination and perform such other work as may be prescribed by the Committee.

(5) The work shall be carried out under the direction of a supervisor appointed from the full-time members of the University staff.

(6) The progress of a candidate shall be reviewed annually by the Committee following a report by the candidate, the supervisor and the Head of School or his/her delegate and as a result of such review the Committee may cancel enrolment or take such other action as it considers appropriate.

(7) No candidate shall be granted the degree until the lapse of three academic sessions in the case of a full-time candidate or four academic sessions in the case of a part-time or external candidate from the date of enrolment. In the case of a candidate who has been awarded the degree of Bachelor with Honours or who has had previous research experience the Committee may approve remission of up to one session for a full-time candidate and two sessions for a part-time or external candidate.

(8) A full-time candidate for the degree shall present for examination not later than six academic sessions from the date of enrolment. A part-time or external candidate for the degree shall present for examination not later than ten academic sessions from the date of enrolment. In special cases, an extension of these times may be granted by the Committee.

#### Thesis

4. (1) On completing the program of study a candidate shall submit a thesis embodying the results of the original investigation.

(2) The candidate shall give, in writing, two months notice of intention to submit the thesis.

(3) The thesis shall present an account of the candidate's own research. In special cases work done conjointly with other persons may be accepted, provided the Committee is satisfied about the extent of the candidate's part in the joint research.

(4) The candidate may also submit any work previously published whether or not such work is related to the thesis.

(5) Three copies of the thesis shall be presented in a form which complies with the requirements of the University for the preparation and submission of higher degree theses.

(6) It shall be understood that the University retains the three copies of the thesis submitted for examination and is free to allow the thesis to be consulted or borrowed. Subject to the provisions of the Copyright Act, 1968, the University may issue the thesis in whole or in part, in photostat or microfilm or other copying medium.

#### Examination

5. (1) There shall be not fewer than two examiners of the thesis, appointed by the Committee, at least one of whom shall be external to the University unless the Committee is satisfied that this is not practicable.

(2) At the conclusion of the examination each examiner shall submit to the Committee a concise report on the merits of the thesis and shall recommend to the Committee that:



- (a) the candidate be awarded the degree without further examination; *or*
  - (b) the candidate be awarded the degree without further examination subject to minor corrections as listed being made to the satisfaction of the Head of the School; *or*
  - (c) the candidate be awarded the degree subject to a further examination on questions posed in the report, performance in this further examination being to the satisfaction of the Committee; *or*
  - (d) the candidate be not awarded the degree but be permitted to resubmit the thesis in a revised form after a further period of study and/or research; *or*
  - (e) the candidate be not awarded the degree and be not permitted to resubmit the thesis.
- (3) If the performance at the further examination recommended under (2)(c) above is not to the satisfaction of the Committee, the Committee may permit the candidate to re-present the same thesis and submit to a further oral, practical or written examination within a period specified by it but not exceeding eighteen months.
- (4) The Committee shall, after consideration of the examiners' reports and the reports of any oral or written or practical examination, recommend whether or not the candidate may be awarded the degree. If it is decided that the candidate be not awarded the degree the Committee shall determine whether or not the candidate may resubmit the thesis after a further period of study and/or research.

**Fees**

6. A candidate shall pay such fees as may be determined from time to time by the Council.

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## Master of Surgery

### MS

The degree of Master of Surgery is offered in the Faculty of Medicine in the following programs:

- 2860 Surgery (Prince Henry/POW)
- 2861 Surgery (SWS Clinical School)
- 2862 Surgery (St George Clinical School)
- 2863 Surgery (St Vincent's Clinical School)

**Typical Duration**

2 years

**Minimum UOC for Award**

96 units of credit

**Typical UOC per Session**

24 units of credit

### Program Description

The Master of Surgery (MS) program requires an original contribution to knowledge in some field related to surgery.

### Program Objectives and Learning Outcomes

Generally, candidates must have at least three years' experience of surgical training and there should be a lapse of five years before the thesis is submitted from the date of the award of the undergraduate medical degree.

### Program Structure

**Candidature**

A candidate shall be enrolled for a minimum of 96 units of credit (UOC) and up to a maximum of 144 UOC. A full-time load during one Session is worth 24 UOC and a part-time load is worth 12 UOC.

### Academic Rules

#### Conditions for the Award of the Degree Master of Surgery (MS)

1. The degree of Master of Surgery by research may be awarded by the Council on the recommendation of the Higher Degree Committee of the Faculty of Medicine (hereinafter referred to as the Committee) to a candidate who has made an original contribution to knowledge in some field related to surgery.

**Qualifications**

2. (1) A candidate for the degree shall have been awarded the degrees of Bachelor of Medicine and Bachelor of Surgery from the University of

New South Wales or a qualification considered equivalent from another university or tertiary institution at a level acceptable to the Committee. It must be noted that the Master of Surgery is intended for postgraduates who have medical degrees registrable in Australia and who are able to secure an appropriate appointment, salaried or otherwise, in a teaching hospital recognised by the University of New South Wales.

(2) In exceptional cases an applicant who submits evidence of such other academic and professional qualifications as may be approved by the Committee may be permitted to enrol for the degree.

(3) If the Committee is not satisfied with the qualifications submitted by an applicant the Committee may require the applicant to undergo such assessment or carry out such work as the Committee may prescribe, before permitting enrolment.

**Enrolment**

3. (1) An application to enrol as a candidate for the degree shall be made on the prescribed form which shall be lodged with the Registrar at least one calendar month before the commencement of the session in which enrolment is to begin.

(2) In every case before making the offer of a place the Committee shall be satisfied that initial agreement has been reached between the School and the applicant on the topic area, supervision arrangements, provision of adequate facilities and any coursework to be prescribed and that these are in accordance with the provisions of the guidelines for promoting postgraduate study within the University.

(3) An approved candidate shall be enrolled in one of the following categories:

(a) full-time candidature: a candidate who is fully engaged in advanced study and research at the University or at one of its teaching hospitals;

(b) part-time candidate: a candidate whose occupation leaves the candidate substantially free to pursue a program of advanced study and research at the University or at one of its teaching hospitals;

(c) external candidature: a candidate who is engaged in advanced study and research away from the University or one of its teaching hospitals.

(4) A candidate shall be required to undertake an original investigation on an approved topic. The candidate may also be required to undergo such assessment and perform such other work as may be prescribed by the Committee.

(5) The research shall be supervised by a supervisor or supervisors who are members of the academic staff of the School or under other appropriate supervision arrangements approved by the Committee. Normally an external candidate within another organisation or institution will have a co-supervisor at that institution.

(6) No candidate shall be awarded the degree until the lapse of four academic sessions from the date of enrolment in the case of a full-time candidate or six academic sessions in the case of a part-time or external candidate. In the case of a candidate who has had previous research experience the Committee may approve remission of up to two sessions for a full-time candidate and three sessions for a part-time or external candidate.

(7) A full-time candidate for the degree shall present for examination not later than eight academic sessions from the date of enrolment. A part-time or external candidate for the degree shall present for examination not later than ten academic sessions from the date of enrolment. In special cases an extension of these times may be granted by the Committee.

**Progression**

4. The progress of the candidate shall be considered by the Committee following report from the School in accordance with the procedures established within the School and previously noted by the Committee.

(i) The research proposal will be reviewed as soon as feasible after enrolment. For a full-time student this will normally be during the first year of study, or immediately following a period of prescribed coursework. This review will focus on the viability of the research proposal.

(ii) Progress in the course will be reviewed within twelve months of the first review. As a result of either review the Committee may cancel enrolment or take such other action as it considers appropriate. Thereafter, the progress of the candidate will be reviewed annually.

**Thesis**

5. (1) On completing the program of study a candidate shall submit a thesis embodying the results of the investigation.

(2) The candidate shall give in writing to the Registrar two months notice of intention to submit the thesis.

(3) The thesis shall present an account of the candidate's own research. In special cases work done conjointly with other persons may be accepted, provided the Committee is satisfied about the extent of the candidate's part in the joint research.

(4) The candidate may also submit any work previously published whether or not such work is related to the thesis.

(5) Four copies of the thesis shall be presented in a form which complies with the requirements of the University for the preparation and submission of theses for higher degrees.

(6) It shall be understood that the University retains the four copies of the thesis submitted for examination and is free to allow the thesis to be consulted or borrowed. Subject to the provisions of the Copyright Act, 1968, the University may issue the thesis in whole or in part, in photostat or microfilm or other copying medium.

#### Examination

6. (1) There shall be not fewer than three examiners of the thesis, appointed by the Committee, at least two of whom shall be external to the University.

(2) At the conclusion of the examination each examiner shall submit to the Committee a concise report on the thesis and shall recommend to the Committee that:

(a) The thesis merits the award of the degree.

(b) The thesis merits the award of the degree subject to minor corrections as listed being made to the satisfaction of the Head of School.

(c) The thesis requires further work on matters detailed in the report. Should performance in this further work be to the satisfaction of the Higher Degree Committee, the thesis would merit the award of the degree.

(d) The thesis does not merit the award of the degree in its present form and further work as described in the examiner's report is required. The revised thesis should be subject to reexamination.

(e) The thesis does not merit the award of the degree and does not demonstrate that resubmission would be likely to achieve that merit.

(3) If the performance at the further examination recommended under (2)(c) above is not to the satisfaction of the Committee, the Committee may permit the candidate to represent the same thesis and submit to further examination as determined by the Committee within a period specified by it but not exceeding eighteen months.

(4) The Committee shall, after consideration of the examiners' reports and the results of any further examination, recommend whether or not the candidate may be awarded the degree. If it is decided that the candidate be not awarded the degree the Committee shall determine whether or not the candidate may resubmit the thesis after a further period of study and/or research.

#### Fees

7. A candidate shall pay such fees as may be determined from time to time by the Council.

## School of Public Health and Community Medicine

The School offers programs of study leading to the award of the following degrees:

|      |   |
|------|---|
| 2960 | Master of Health Administration by Research                                   |
| 8900 | Master of Health Administration by Coursework                                 |
| 8941 | Master of Health Services Management  |
| 7360 | Graduate Certificate in Health Services Management                            |
| 2885 | Master of Health Professions Education by Research                            |
| 1835 | PhD in Public Health and Community Medicine                                   |
| 9050 | Master of Clinical Education by Distance Education                            |
| 5501 | Graduate Diploma in Clinical Education by Distance Education                  |
| 7376 | Graduate Certificate in Clinical Education by Distance Education              |
| 7375 | Graduate Certificate in University Learning and Teaching<br>(UNSW staff only) |
| 2845 | Master of Public Health by Research   |
| 9045 | Master of Public Health by Coursework   |
| 5507 | Graduate Diploma in Public Health   |
| 7368 | Graduate Certificate in Public Health   |

Our programs undergo continuous quality improvement. Please check the School's website (<http://sphcm.med.unsw.edu.au>) for current information.

## 2960 Master of Health Administration (by Research)

### MHA

#### Typical Duration

2 years

#### Minimum UOC for Award

96 units of credit

#### Typical UOC per Session

24 units of credit

### Program Description

Facilities are available in the School for students to undertake research studies leading to the degree of Master of Health Administration, as either full-time internal students, part-time internal students, or part-time students external to the University. It is designed primarily as training in advanced work. Candidates must demonstrate ability to undertake research by the submission of a thesis embodying the results of an original investigation or design. Candidates are required to have a suitable first degree and are normally expected to have a minimum of three years' experience in their proposed field of study within the health or hospital services.

### Program Objectives and Learning Outcomes

The Master of Health Administration (MHA) is designed primarily as training in advanced work. Candidates must demonstrate ability to undertake research by the submission of a thesis embodying the results of an original investigation or design. Candidates must have at least three years experience in health services.

### Program Structure

The degree of Master of Health Administration by research may be awarded by the Council on the recommendation of the Higher Degree Committee of the Faculty of Medicine (hereinafter referred to as the Committee) to a candidate who has demonstrated ability to undertake research by the submission of a thesis embodying the results of an original investigation or design.

### Academic Rules

#### Enrolment Requirements

A student is only permitted to submit only after 144 units of credits (UOC) have been undertaken. A full-time load during one Session is worth 24 UOC and a part-time load is worth 12 UOC.

In the case of a candidate who has been awarded the degrees of Bachelor of Medicine and Bachelor of Surgery with Honours or who has had previous research experience, the Committee may approve remission of up to two sessions for a full-time candidate and four sessions for a part-time or external candidate.

Candidates should not exceed the upper enrolment-limit of 192 UOC. Financial penalties may occur as a result.

### Conditions for the Award of the Degree Master of Health Administration (MHA) by Research

1. The degree of Master of Health Administration by research may be awarded by the Council on the recommendation of the Higher Degree Committee of the Faculty of Medicine (hereinafter referred to as the Committee) to a candidate who has demonstrated ability to undertake research by the submission of a thesis embodying the results of an original investigation or design.

#### Qualifications

2. (1) A candidate for the degree shall:

(a) have been awarded an appropriate degree of Bachelor of four full-time years duration (or the part-time equivalent) from the University of New South Wales or a qualification considered equivalent from another university or tertiary institution at a level acceptable to the Committee; or

(b)(i) have been awarded an appropriate degree of Bachelor of three full-time years duration (or the part-time equivalent) from the University of New South Wales or qualification considered equivalent from another university or tertiary institution at a level acceptable to the Committee, and

(ii) have had at least three years experience in the health services of a kind acceptable to the Committee.

(2) In exceptional cases an applicant who submits evidence of such other academic and professional qualifications as may be approved by the Committee may be permitted to enrol for the degree.

(3) When the Committee is not satisfied with the qualifications submitted by an applicant the Committee may require the applicant, before being permitted to enrol, to undergo such examination or carry out such work as the Committee may prescribe.

**Enrolment and Progression**

3. (1) An application to enrol as a candidate for the degree shall be made on the prescribed form which shall be lodged with the Registrar at least one calendar month before the commencement of the session in which enrolment is to begin.

(2) In every case, before permitting a candidate to enrol, the Head of the School of Public Health and Community Medicine (hereinafter referred to as the Head of the School) shall be satisfied that adequate supervision and facilities are available.

(3) An approved candidate shall be enrolled in one of the following categories:

- (a) full-time attendance at the University;
- (b) part-time attendance at the University;
- (c) external – not in regular attendance at the University and using research facilities external to the University.

(4) A candidate shall be required to undertake an original investigation or design on an approved topic. The candidate may also be required to undergo such examination and perform such other work as may be prescribed by the Committee.

(5) The work shall be carried out under the direction of a supervisor appointed from the full-time members of the University staff.

(6) The progress of a candidate shall be reviewed annually by the Committee following a report by the candidate, the supervisor and the Head of the School and as a result of such review the Committee may cancel enrolment or take such other action as it considers appropriate.

(7) No candidate shall be granted the degree until the lapse of three academic sessions in the case of a full-time candidate or four academic sessions in the case of a part-time or external candidate from the date of enrolment. In the case of a candidate who has been awarded the degree of Bachelor with Honours or who has had previous research experience the Committee may approve remission of up to one session for a full-time candidate and two sessions for a part-time or external candidate.

(8) A full-time candidate for the degree shall present for examination not later than six academic sessions from the date of enrolment. A part-time or external candidate for the degree shall present for examination not later than ten academic sessions from the date of enrolment. In special cases an extension of these times may be granted by the Committee.

**Thesis**

4. (1) On completing the program of study a candidate shall submit a thesis embodying the results of the original investigation or design.

(2) The candidate shall give in writing two months notice of intention to submit the thesis.

(3) The thesis shall present an account of the candidate's own research. In special cases work done conjointly with other persons may be accepted, provided the Committee is satisfied about the extent of the candidate's part in the joint research.

(4) The candidate may also submit any work previously published whether or not such work is related to the thesis.

(5) Three copies of the thesis shall be presented in a form which complies with the requirements of the University for the preparation and submission of higher degree theses.

(6) It shall be understood that the University retains the three copies of the thesis submitted for examination and is free to allow the thesis to be consulted or borrowed. Subject to the provisions of the Copyright Act, 1968, the University may issue the thesis in whole or in part, in photostat or microfilm or other copying medium.

**Examination**

5. (1) There shall be not fewer than two examiners of the thesis, appointed by the Committee, at least one of whom shall be external to the University unless the Committee is satisfied that this is not practicable.

(2) At the conclusion of the examination each examiner shall submit to the Committee a concise report on the merits of the thesis and shall recommend to the Committee that:

- (a) the candidate be awarded the degree without further examination; *or*

(b) the candidate be awarded the degree without further examination subject to minor corrections as listed being made to the satisfaction of the Head of the School; *or*

(c) the candidate be awarded the degree subject to a further examination on questions posed in the report, performance in this further examination being to the satisfaction of the Committee; *or*

(d) the candidate be not awarded the degree but be permitted to resubmit the thesis in a revised form after a further period of study and/or research; *or*

(e) the candidate be not awarded the degree and be not permitted to resubmit the thesis.

(3) If the performance at the further examination recommended under (2)(c) above is not to the satisfaction of the Committee, the Committee may permit the candidate to represent the same thesis and submit to a further oral, practical or written examination within a period specified by it but not exceeding eighteen months.

(4) The Committee shall, after consideration of the examiners' reports and the reports of any oral or written or practical examination, recommend whether or not the candidate may be awarded the degree. If it is decided that the candidate be not awarded the degree the Committee shall determine whether or not the candidate may resubmit the thesis after a further period of study and/or research.

**Fees**

6. A candidate shall pay such fees as may be determined from time to time by the Council.

**8900 Master of Health Administration (by Coursework)**

**MHA**

**Typical Duration**

1 year

**Minimum UOC for Award**

48 units of credit

**Typical UOC per Session**

24 units of credit

**Program Description**

This degree is awarded on the successful completion of the program outlined below. The program may be taken on a full-time or part-time basis, internal basis or external basis (including compulsory residential schools) or on a distributed basis (mixture of full-time, part-time and external).

Applicants are required to have completed a minimum three-year degree and to have a minimum of three years postgraduate experience preferably in a health-related field.

**Program Objectives and Learning Outcomes**

The program has been designed to provide students with the essential knowledge required for senior managerial and planning work in the health services. The objectives of the program are to develop graduates who are: competent general and financial managers, competent planners, knowledgeable about public health (the health status of the Australian and other communities) and the structure, organisation and financing of health care systems, knowledgeable about society, law and ethics, and competent in quantitative skills.

**Program Structure**

The program is divided into two components, for a total of 48 units of credit. These components are:

**Core Courses (36 units of credit)**

This compulsory component comprises the six core courses of 6 units of credit each. Students must successfully complete the following six courses as a requirement for graduation.

|          |  |         |
|----------|--|---------|
| PHCM9041 | Health Care Systems                        | (6 UOC) |
| PHCM9071 | Health Care Financial Management 1         | (6 UOC) |
| PHCM9351 | Health Economics                           | (6 UOC) |
| PHCM9421 | Public Health, Statistics and Epidemiology | (6 UOC) |
| PHCM9701 | Managing Human Resources in Health         | (6 UOC) |
| PHCM9711 | Management of Organisations                | (6 UOC) |

PLUS 12 units of credit of **electives** offered by the School.

|          |                       |         |
|----------|-----------------------|---------|
| PHCM9010 | Community Development | (4 UOC) |
| PHCM9012 | Health Promotion      | (4 UOC) |



|          |   |         |
|----------|---|---------|
| PHCM9081 | Health Care Financial Management 2                      | (4 UOC) |
| PHCM9101 | Independent Study (2 UOC)                               | (2 UOC) |
| PHCM9102 | Independent Study (4 UOC)                               | (4 UOC) |
| PHCM9103 | Independent Study (6 UOC)                               | (6 UOC) |
| PHCM9104 | Independent Study (8 UOC)                               | (8 UOC) |
| PHCM9108 | Program Evaluation and Planned Change                   | (4 UOC) |
| PHCM9111 | Quality and Clinical Practice Improvement               | (4 UOC) |
| PHCM9120 | Qualitative Research Methods                            | (4 UOC) |
| PHCM9121 | Measurement of Quality of Life and Patient Satisfaction | (4 UOC) |
| PHCM9122 | Primary Health Care: Policies, Programs & Perspectives  | (4 UOC) |
| PHCM9125 | Designing Short Courses and Workshops                   | (4 UOC) |
| PHCM9133 | Learning, Teaching and Assessment                       | (4 UOC) |
| PHCM9136 | Culture, Health and Illness                             | (4 UOC) |
| PHCM9140 | Project Design and Monitoring in International Health   | (4 UOC) |
| PHCM9361 | Physical Planning and Design                            | (4 UOC) |
| PHCM9381 | Policy Studies  | (4 UOC) |
| PHCM9391 | Health Services Strategic Management and Planning       | (4 UOC) |
| PHCM9431 | Interpersonal Communications in Organisations           | (4 UOC) |
| PHCM9501 | Computing Techniques for Health Services Management     | (4 UOC) |
| PHCM9604 | Alcohol and Other Drug Issues                           | (4 UOC) |
| PHCM9605 | Health in Developing Countries                          | (4 UOC) |
| PHCM9608 | Rural Health Studies 1                                  | (4 UOC) |
| PHCM9610 | Food & Nutrition Policy Studies                         | (4 UOC) |
| PHCM9611 | Health of the Elderly                                   | (4 UOC) |
| PHCM9612 | Environmental Health                                    | (4 UOC) |
| PHCM9614 | Researching Marginalised Groups                         | (4 UOC) |
| PHCM9615 | Delivery of Primary Health Services in the Community    | (4 UOC) |
| PHCM9621 | HIV/AIDS: Australian and International Responses        | (4 UOC) |
| PHCM9626 | Inequalities and Health                                 | (4 UOC) |
| PHCM9630 | Indigenous Health in Australia                          | (4 UOC) |
| PHCM9633 | International Tobacco Control                           | (4 UOC) |
| PHCM9661 | Current Issues in Health                                | (4 UOC) |
| PHCM9741 | Management of Change                                    | (4 UOC) |
| PHCM9748 | Clinical Governance                                     | (6 UOC) |
| PHCM9761 | Public Mental Health in Australia                       | (4 UOC) |
| PHCM9781 | Evidence-Based Clinical Management                      | (4 UOC) |
| PHCM9901 | Health Systems Simulation                               | (6 UOC) |
| PHCM9911 | Health Informatics Principles                           | (6 UOC) |
| PHCM9922 | Decision Support Systems                                | (4 UOC) |

Please check the School's website (<http://sphcm.med.unsw.edu.au>) for current information

### Articulation

The program articulates with the Graduate Certificate in Health Services Management 7360. Credit for courses completed in the GradCert may be transferred to the Master's program, in accordance with the UNSW policy on credit transfer.

### Academic Rules

Please refer to the Program Structure above and contact the School of Public Health & Community Medicine for further information.

## 8941 Master of Health Services Management

### MHSM

#### Typical Duration

1 year

#### Minimum UOC for Award

48 units of credit

#### Typical UOC per Session

24 units of credit

### Program Description

The degree is awarded on the successful completion of the program outlined below. The program may be taken full-time or part-time on an internal basis.

The normal time for completion of the full-time program is two academic sessions. The maximum time for completion of the program is eight

academic sessions. The normal time for completion of the program for part-time internal and external students is four academic sessions (two calendar years).

Students must complete 9 courses, or the equivalent, to a total of 48 units of credit.

### Program Objectives and Learning Outcomes

The program is designed to provide students from countries with developing economies and health systems with the knowledge and skills to be competent health service planners, policy makers and managers. For students from developed health systems involved in international health, this program will enable them to focus and develop relevant planning and management knowledge from within a development framework.

### Program Structure

#### Program 8941, plan PHCMKS8941 – Kensington campus

The program is divided into two components, for a total of 48 units of credit. These components are:

#### Core Courses (36 units of credit):

This compulsory component comprises six core courses of 6 units of credit each:

|          |  |         |
|----------|--|---------|
| PHCM9015 | Health Services Development and Implementation | (6 UOC) |
| PHCM9422 | Population Health, Epidemiology and Statistics | (6 UOC) |
| PHCM9441 | Healthcare Economics and Financial Management  | (6 UOC) |
| PHCM9442 | Health Resources Planning and Development      | (6 UOC) |
| PHCM9471 | Comparative Health Care Systems                | (6 UOC) |
| PHCM9711 | Management of Organisations                    | (6 UOC) |

PLUS 12 units of credit of electives offered by the School.

In selecting elective courses students can choose from a wide range of courses relating to their expected field of work, a particular focus or discipline and/or relevant to their own interests and needs.

#### Program 8941, plan PHCMHS8941 – Hong Kong

This program is available in Hong Kong in distance learning mode on a part-time basis over 2 years. Entry requirements, learning objectives, assessment and fees for the Hong Kong program are the same as the Kensington MHSM. However, case studies and examples used in course materials are relevant to Asian health systems. Compulsory residential workshops are conducted in Hong Kong in February and July. The MHSM is a quotable degree under the Hong Kong Hospital Authority.

The MHSM and GradCertHSM programs are registered in Hong Kong and the Medical Council of Hong Kong recognises the UNSW MHSM degree.

Students studying in Hong Kong enrol in part-time distant learning mode. Students attend a one-week residential school each session after which they work through the distance learning material the University provides.

Enquiries should be directed to the Hong Kong Program Director Dr Mary-Louise McLaws, tel: +61(2) 9385 2586, email: [m.mclaws@unsw.edu.au](mailto:m.mclaws@unsw.edu.au) or Australian Education Council Ltd, email: [info@aecl.com.hk](mailto:info@aecl.com.hk)

### Articulation

The program articulates with the Graduate Certificate in Health Services Management 7360. Credit for courses completed in the GradCert may be transferred to the Master's program, in accordance with the UNSW policy on credit transfer.

#### Additional Course Requirement for International Students

International students from non-English speaking countries enrolled in the full time program in Sydney (Kensington campus) are required to take the following additional core course in their first session. This course is available for all students to assist to gain maximum benefit from their study and contributes 4 units of credit towards the total of 48 units of credit for the program.

|          |                 |         |
|----------|-----------------|---------|
| PHCM9100 | Academic Skills | (4 UOC) |
|----------|-----------------|---------|

### Academic Rules

Please refer to the Program Structure above and contact the School of Public Health & Community Medicine for further information.

## 7360 Graduate Certificate in Health Services Management

### GradCertHSM

**Typical Duration**  
0.4 years

**Minimum UOC for Award**  
24 units of credit

**Typical UOC per Session**  
24 units of credit

### Program Description

The Graduate Certificate provides recognition to students who are limited to study for one session or one year only. It will be awarded to a candidate who has satisfactorily completed the program of study outlined below. The GradCert articulates with the Master of Health Administration, Master of Health Services Management or Master of Public Health programs.

Credit for courses completed in the GradCert may be transferred to the Master's programs, in accordance with the UNSW policy on credit transfer, provided students demonstrate adequate academic performance (minimum Credit average).

### Program Objectives and Learning Outcomes

This program is designed to provide training for senior managerial and planning professionals in health services.

### Program Structure

The Graduate Certificate program may be taken on a full-time or part-time basis, internal or external basis (including compulsory residential schools).

Candidates are required to successfully complete a total of 24 units of credit from the courses offered by the School of Public Health & Community Medicine. The Graduate Certificate program may be tailored to suit individual interests. Further information on groupings of courses is available from the School.

### Plans (Areas of Specialisation)

The following specialisations (plans) are now also available in the Graduate Certificate in Health Services Management:

7360 Graduate Certificate in HSM in Hospital Epidemiology - Kensington Campus

7360 Graduate Certificate in HSM in Hospital Epidemiology - Hong Kong

### 7360 Graduate Certificate in HSM in Hospital Epidemiology - Kensington Campus

Staff responsible for infection control are required to have an understanding of statistics, epidemiology and research methods to assist them in their efforts to survey, prevent and contain the transmission of hospital-acquired infections. This Graduate Certificate will introduce students to those statistical and epidemiological skills required to interpret or perform surveillance and outbreak investigation. Students will understand how to evaluate prevention strategies and to critically appraise medical and nursing literature.

Students are required to complete a total of 24 units of credit comprising the following 4 courses:

|          |  |         |
|----------|--|---------|
| PHCM9011 | Statistics & Epidemiology              | (6 UOC) |
| PHCM9411 | Hospital Epidemiology                  | (6 UOC) |
| PHCM9731 | SARS and Crisis Outbreak Management    | (6 UOC) |
| PHCM9732 | Clinical Practice in Infection Control | (6 UOC) |

### 7360 Graduate Certificate in HSM in Hospital Epidemiology - Hong Kong

This program is available in Hong Kong in distance learning mode over 12 months. Case studies and examples used in course materials have been written to make them relevant to Asian health systems. Entry requirements, learning objectives, assessment and fees for the Hong Kong program are the same as the Kensington GradCert.

The MHSM and GradCert programs are registered in Hong Kong and the Medical Council of Hong Kong recognises the UNSW MHSM degree.

Students studying in Hong Kong enrol in part-time distant learning mode. Students attend a one-week residential school each session after which they work through the distance learning material the University provides.

Enquiries should be directed to the Hong Kong Program Director Dr Mary-Louise McLaws, tel: (+61 2) 9385 2591, email: m.mclaws@unsw.edu.au or Australian Education Council Ltd, email: info@aecl.com.hk

### Academic Rules

Please refer to the Program Structure above and contact the School Office for further information.

### Admission Requirements

Candidates will have:

- a Bachelor degree in an appropriate discipline from a recognised tertiary institution, *and*
- a minimum of three years' experience in health services.

In exceptional cases an applicant who submits evidence of such other academic and professional qualifications may be admitted. No credits, exemptions or advanced standing are granted for the Graduate Certificate.

## 2885 Master of Health Professions Education (by Research)

### MHPed

**Typical Duration**  
2 years

**Minimum UOC for Award**  
96 units of credit

**Typical UOC per Session**  
24 units of credit

### Program Description

This program is designed for teachers and/or educational administrators in the health professions who wish to develop their research skills by undertaking studies leading to the award of the degree of Master of Health Professions Education, either as full-time or part-time internal students or as students external to the University. The latter are required to spend a minimum of 14 weeks in the School during the program.

### Program Objectives and Learning Outcomes

An original investigation under the direction of a supervisor for a minimum period of three academic sessions in the case of a full-time candidate, or a minimum of four academic sessions in the case of a part-time or external candidate, is required.

The candidate is required to submit a thesis embodying the results of this original investigation.

### Program Structure

The candidate may undertake the research as an internal student i.e. at a campus, teaching hospital, or other research facility with which the University is associated, or as an external student not in attendance at the University except for periods as may be prescribed by the Committee.

The approved applicant may undertake their enrolment with a part-time or full-time load at the University, at one of its teaching hospitals or a research facility with which the University is associated; the Committee may permit a candidate to spend a period in the field, within another institution or elsewhere away from the University if it is satisfied that this is necessary to the research program and provided that the work can be supervised in a manner satisfactory to the Committee.

If the candidate's research work is based externally, there must be a minimum acceptable level of supervision that will be determined by the Committee. Normally an external candidate within another organisation or institution will have a co-supervisor at that institution.

### Academic Rules

#### Candidature

A candidate shall be required to undertake an original investigation on a topic approved by the Committee and may also be required to undergo such examination and perform such other work as may be prescribed by the Committee. The work shall be carried out under the direction of a supervisor appointed by the Committee from the academic staff of the University.

A candidate shall be enrolled for a minimum of 96 units of credit (UOC) and up to a maximum of 144UOC. A full-time load during one session is worth 24UOC and a part-time load is worth 12UOC.

## Conditions for the Award of the Degree Master of Health Professions Education (MHPEd) by Research

1. The degree of Master of Health Professions Education by research may be awarded by the Council on the recommendation of the Higher Degree Committee of the Faculty of Medicine (hereinafter referred to as the Committee) to a candidate who has demonstrated ability to undertake research by the submission of a thesis embodying the results of an original investigation.

### Qualifications

2. (1) A candidate for the degree shall:

(a) have been awarded an appropriate degree of Bachelor of four full-time years duration (or the part-time equivalent) from the University of New South Wales or a qualification considered equivalent from another university or tertiary institution at a level acceptable to the Committee, and

(b) have had the equivalent of at least two years full-time teaching and/or administrative experience of a kind acceptable to the Committee.

(2) In exceptional cases an applicant who submits evidence of such other academic and professional qualifications as may be approved by the Committee may be permitted to enrol for the degree.

(3) If the Committee is not satisfied with the qualifications submitted by an applicant the Committee may require the applicant to undergo such assessment or carry out such work as the Committee may prescribe, before permitting enrolment.

### Enrolment

3. (1) An application to enrol as a candidate for the degree shall be made on the prescribed form which shall be lodged with the Registrar at least one calendar month before the commencement of the session in which enrolment is to begin.

(2) In every case before making the offer of a place the Committee shall be satisfied that initial agreement has been reached between the School of Medical Education and the applicant on the topic area, supervision arrangements, provision of adequate facilities and any coursework to be prescribed and that these are in accordance with the provisions of the guidelines for promoting postgraduate study within the University.

(3) The candidate shall be enrolled as either a full-time or part-time student.

(4) A candidate shall be required to undertake an original investigation on an approved topic. The candidate may also be required to undergo such assessment and perform such other work as may be prescribed by the Committee.

(5) The candidate may undertake the research as an internal student i.e. at a campus, teaching hospital, or other research facility with which the University is associated, or as an external student not in attendance at the University except for periods as may be prescribed by the Committee.

(6) An internal candidate will normally carry out the research on a campus or at a teaching or research facility of the University. The Committee may permit a candidate to spend a period in the field, within another institution or elsewhere away from the University provided that the work can be supervised in a manner satisfactory to the Committee. In such instances the Committee shall be satisfied that the location and period of time away from the University are necessary to the research program.

(7) The research shall be supervised by a supervisor or supervisors who are members of the academic staff of the School or under other appropriate supervision arrangements approved by the Committee. Normally an external candidate within another organisation or institution will have a co-supervisor at that institution.

(8) No candidate shall be awarded the degree until the lapse of three academic sessions from the date of enrolment in the case of a full-time candidate or four academic sessions in the case of a part-time or external candidate. In the case of a candidate who has been awarded the degree of Bachelor with Honours or who has had previous research experience the Committee may approve remission of up to one session for a full-time candidate and two sessions for a part-time or external candidate.

(9) A full-time candidate for the degree shall present for examination not later than six academic sessions from the date of enrolment. A part-time or external candidate for the degree shall present for examination not later than eight academic sessions from the date of enrolment. In special cases an extension of these times may be granted by the Committee.

### Progression

4. The progress of the candidate shall be considered by the Committee following report from the School in accordance with the procedures established within the School and previously noted by the Committee.

(i) The research proposal will be reviewed as soon as feasible after enrolment. For a full-time student this will normally be during the first year of study, or immediately following a period of prescribed coursework. This review will focus on the viability of the research proposal.

(ii) Progress in the course will be reviewed within twelve months of the first review. As a result of either review the Committee may cancel enrolment or take such other action as it considers appropriate. Thereafter, the progress of the candidate will be reviewed annually.

### Thesis

5. (1) On completing the program of study a candidate shall submit a thesis embodying the results of the investigation.

(2) The candidate shall give in writing to the Registrar two months notice of intention to submit the thesis.

(3) The thesis shall present an account of the candidate's own research. In special cases work done conjointly with other persons may be accepted, provided the Committee is satisfied about the extent of the candidate's part in the joint research.

(4) The candidate may also submit any work previously published whether or not such work is related to the thesis.

(5) Three copies of the thesis shall be presented in a form which complies with the requirements of the University for the preparation and submission of theses for higher degrees.

(6) It shall be understood that the University retains the three copies of the thesis submitted for examination and is free to allow the thesis to be consulted or borrowed. Subject to the provisions of the Copyright Act, 1968, the University may issue the thesis in whole or in part, in photostat or microfilm or other copying medium.

### Examination

6. (1) There shall be not fewer than two examiners of the thesis, appointed by the Committee, at least one of whom shall be external to the University unless the Committee is satisfied that this is not practicable.

(2) At the conclusion of the examination each examiner shall submit to the Committee a concise report on the thesis and shall recommend to the Committee that:

(a) The thesis merits the award of the degree.

(b) The thesis merits the award of the degree subject to minor corrections as listed being made to the satisfaction of the Head of School.

(c) The thesis requires further work on matters detailed in the report. Should performance in this further work be to the satisfaction of the Higher Degree Committee, the thesis would merit the award of the degree.

(d) The thesis does not merit the award of the degree in its present form and further work as described in the examiner's report is required. The revised thesis should be subject to reexamination.

(e) The thesis does not merit the award of the degree and does not demonstrate that resubmission would be likely to achieve that merit.

(3) If the performance at the further examination recommended under (2)(c) above is not to the satisfaction of the Committee, the Committee may permit the candidate to represent the same thesis and submit to further examination as determined by the Committee within a period specified by it but not exceeding eighteen months.

(4) The Committee shall, after consideration of the examiners' reports and the results of any further examination, recommend whether or not the candidate may be awarded the degree. If it is decided that the candidate be not awarded the degree the Committee shall determine whether or not the candidate may resubmit the thesis after a further period of study and/or research.

### Fees

7. A candidate shall pay such fees as may be determined from time to time by the Council.

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## 9050 Master of Clinical Education (by Distance Education)

### MCLinEd

#### Typical Duration

1.5 years

#### Minimum UOC for Award

72 units of credit

#### Typical UOC per Session

24 units of credit



### Program Description

The degree of Master of Clinical Education will be awarded after satisfactory completion of a program of advanced study of 48 units of credit and submission of a satisfactory major project based on at least one session of applied development or research in clinical education.

This is an external program which includes a small number of intensive workshops.

### Program Objectives and Learning Outcomes

The program aims to provide a multidisciplinary program of study of clinical education for practicing clinicians with teaching responsibilities. The program requires clinical educators to study the knowledge, reasoning, practical activities and skills within the environment of the ward and other clinical settings, to observe and document clinical teaching and learning, and to undertake action research in its improvement.

The program also aims to foster a rational and rigorous approach to understanding clinical reasoning and decision making, and to ensure its effective learning. Three levels of attainment are proposed to accommodate the differing needs among clinical teachers.

### Program Structure

Courses offered within the program are:

|           |   |          |
|-----------|---|----------|
| PHCM9101  | Independent Study (2 UOC)                         | (2 UOC)  |
| PHCM9102  | Independent Study (4 UOC)                         | (4 UOC)  |
| PHCM9103  | Independent Study (6 UOC)                         | (6 UOC)  |
| PHCM9104  | Independent Study (8 UOC)                         | (8 UOC)  |
| PHCM9125* | Designing Short Courses and Workshops*            | (4 UOC)  |
| PHCM9302  | Learning in Small Groups                          | (4 UOC)  |
| PHCM9304  | Learning Clinical Reasoning                       | (6 UOC)  |
| PHCM9306  | Clinical Supervision                              | (4 UOC)  |
| PHCM9307  | Exploring and Managing Ethical and Moral Dilemmas | (4 UOC)  |
| PHCM9308  | Learning Clinical Decision Making                 | (4 UOC)  |
| PHCM9309  | Assessment of Clinical Performance                | (4 UOC)  |
| PHCM9312  | Research Into Clinical Education                  | (6 UOC)  |
| PHCM9315  | Clinical Teaching                                 | (6 UOC)  |
| PHCM9316  | Learning Consulting Skills                        | (6 UOC)  |
| PHCM9360  | Major Project (Clinical Education)                | (12 UOC) |

\*PHCM9125 is available only as an intensive workshop

### Academic Rules

Please refer to the Program Structure above and contact the School of Public Health & Community Medicine for further information.

## 5501 Graduate Diploma in Clinical Education (by Distance Education)

### GradDipClinEd

#### Typical Duration

0.8 years

#### Minimum UOC for Award

40 units of credit

#### Typical UOC per Session

24 units of credit

### Program Description

The Graduate Diploma in Clinical Education will be awarded after satisfactory completion of advanced study of 40 units of credit together with 100 hours of clinical teaching practice.

This is an external program which includes a small number of intensive workshops.

### Program Objectives and Learning Outcomes

The program is a multidisciplinary study of clinical education for practicing clinicians with teaching responsibilities. Clinical educators study the knowledge, reasoning, practical activities and skills within the environment of the ward and other clinical settings. They are required to observe and document clinical teaching and learning, and undertake action research with the aim of improving the clinical teaching and learning in these settings.

The program also aims to foster a rational and rigorous approach to understanding clinical reasoning and decision making.

### Program Structure

The Diploma program has the same course options as the Master of Clinical Education program. Candidates may choose their own combination of courses amounting to 40 units of credit and are not required to submit a major project.

|           |   |         |
|-----------|---|---------|
| PHCM9101  | Independent Study (2 UOC)                         | (2 UOC) |
| PHCM9102  | Independent Study (4 UOC)                         | (4 UOC) |
| PHCM9103  | Independent Study (6 UOC)                         | (6 UOC) |
| PHCM9104  | Independent Study (8 UOC)                         | (8 UOC) |
| PHCM9125* | Designing Short Courses and Workshops*            | (4 UOC) |
| PHCM9302  | Learning in Small Groups                          | (4 UOC) |
| PHCM9304  | Learning Clinical Reasoning                       | (6 UOC) |
| PHCM9306  | Clinical Supervision                              | (4 UOC) |
| PHCM9307  | Exploring and Managing Ethical and Moral Dilemmas | (4 UOC) |
| PHCM9308  | Learning Clinical Decision Making                 | (4 UOC) |
| PHCM9309  | Assessment of Clinical Performance                | (4 UOC) |
| PHCM9312  | Research Into Clinical Education                  | (6 UOC) |
| PHCM9315  | Clinical Teaching                                 | (6 UOC) |
| PHCM9316  | Learning Consulting Skills                        | (6 UOC) |

\*PHCM9125 is available only as an intensive workshop

### Academic Rules

Please refer to the Program Structure above and contact the School Office for further information.

## 7376 Graduate Certificate in Clinical Education (by Distance Education)

### GradCert

#### Typical Duration

0.4 years

#### Minimum UOC for Award

20 units of credit

#### Typical UOC per Session

24 units of credit

### Program Description

The Graduate Certificate in Clinical Education will be awarded after satisfactory completion of advanced study of 20 units of credit.

This is an external program which includes a small number of intensive workshops.

### Program Objectives and Learning Outcomes

The program is a multidisciplinary study of clinical education for practicing clinicians with teaching responsibilities. Clinical educators study the knowledge, reasoning, practical activities and skills within the environment of the ward and other clinical settings and also observe and document clinical teaching and learning.

This Graduate Certificate program is suitable for those clinical teachers who wish to upgrade their educational skills and obtain recognition for their Faculty and professional development, but who do not wish to engage in a full masters program.

### Program Structure

A total of 20 units of credit (UOC) is required, consisting of 16 UOC of core courses and a 4 UOC elective.

#### Core Courses

|          |                            |         |
|----------|----------------------------|---------|
| PHCM9302 | Learning in Small Groups   | (4 UOC) |
| PHCM9315 | Clinical Teaching          | (6 UOC) |
| PHCM9316 | Learning Consulting Skills | (6 UOC) |

#### Elective Courses

Choose one elective from:

|           |   |         |
|-----------|---|---------|
| PHCM9125* | Designing Short Courses and Workshops*            | (4 UOC) |
| PHCM9304  | Learning Clinical Reasoning                       | (6 UOC) |
| PHCM9306  | Clinical Supervision                              | (4 UOC) |
| PHCM9307  | Exploring and Managing Ethical and Moral Dilemmas | (4 UOC) |
| PHCM9308  | Learning Clinical Decision Making                 | (4 UOC) |
| PHCM9309  | Assessment of Clinical Performance                | (4 UOC) |
| PHCM9312  | Research Into Clinical Education                  | (6 UOC) |

\*PHCM9125 is available only as an intensive workshop

## Academic Rules

Please refer to the Program Structure above and contact the School Office for further information.

## 2845 Master of Public Health (by Research)

### MPH

#### Typical Duration

2 years

#### Minimum UOC for Award

96 units of credit

#### Typical UOC per Session

24 units of credit

### Program Description

The Master of Public Health (MPH) is designed primarily as training in advanced work. Candidates must demonstrate ability to undertake research by the submission of a thesis embodying the results of an original investigation or design. Candidates must have at least three years experience of in health services.

Students applying for admission to the MPH by research are required to have a suitable first degree and are normally expected to have considerable experience in their proposed field of study within the health or hospital services. The program can be undertaken full-time or part-time; through internal or external mode.

### Program Objectives and Learning Outcomes

The degree of Master of Public Health by Research may be awarded by the Council on the recommendation of the Higher Degree Committee of the appropriate faculty (hereinafter referred to as the Committee) to a candidate who has demonstrated ability to undertake research by the submission of a thesis embodying the results of an original investigation or design.

### Program Structure

A candidate shall be enrolled for a minimum of 96 units of credit (UOC) and up to a maximum of 144 UOC. A full-time load during one Session is worth 24 UOC and a part-time load is worth 12 UOC.

## Academic Rules

### Conditions for the Award of the Degree Master of Public Health (MPH) by Research

1. The degree of Master of Public Health by Research may be awarded by the Council on the recommendation of the Higher Degree Committee of the appropriate faculty (hereinafter referred to as the Committee) to a candidate who has demonstrated ability to undertake research by the submission of a thesis embodying the results of an original investigation or design.

#### Qualifications

2. (1) A candidate for the degree shall:

(a) have been awarded an appropriate degree of Bachelor of four full-time years duration (or the part-time equivalent) from the University of New South Wales or a qualification considered equivalent from another university or tertiary institution at a level acceptable to the Committee, or

(b)(i) have been awarded an appropriate degree of Bachelor of three full-time years duration (or the part-time equivalent) from the University of New South Wales or qualifications considered equivalent from another university or tertiary institution at a level acceptable to the Committee and

(ii) have had the equivalent of at least three years experience in the health services of a kind acceptable to the Committee

(2) In exceptional cases an applicant who submits evidence of such other academic and professional qualifications as may be approved by the Committee may be permitted to enrol for the degree.

(3) If the Committee is not satisfied with the qualifications submitted by an applicant the Committee may require the applicant to undergo such examination or carry out such work as the Committee may prescribe, before permitting enrolment.

#### Enrolment

3. (1) An application to enrol as a candidate for the degree shall be made on the prescribed form which shall be lodged with the Registrar at least

one calendar month before the commencement of the session in which enrolment is to begin.

(2) In every case before making the offer of a place the Committee shall be satisfied that initial agreement has been reached between the School of Public Health and Community Medicine and the applicant on the topic area, supervision arrangements, provision of adequate facilities and any coursework to be prescribed and that these are in accordance with the provisions of the guidelines for promoting postgraduate study within the University.

(3) The candidate shall be enrolled as either a full-time or part-time student.

(4) A candidate shall be required to undertake an original investigation or design on an approved topic. The candidate may also be required to undergo such examination and perform such other work as may be prescribed by the Committee.

(5) The candidate may undertake the research as an internal student i.e. at a campus, teaching hospital, or other research facility with which the University is associated, or as an external student not in attendance at the University except for periods as may be prescribed by the Committee.

(6) An internal candidate will normally carry out the research on a campus or at a teaching or research facility of the University. The Committee may permit a candidate to spend a period in the field, within another institution or elsewhere away from the University provided that the work can be supervised in a manner satisfactory to the Committee. In such instances the Committee shall be satisfied that the location and period of time away from the University are necessary to the research program.

(7) The research shall be supervised by a supervisor or supervisors who are members of the academic staff of the School or under other appropriate supervision arrangements approved by the Committee. Normally an external candidate within another organisation or institution will have a co-supervisor at that institution.

(8) No candidate shall be awarded the degree until the lapse of three academic sessions from the date of enrolment in the case of a full-time candidate or four academic sessions in the case of a part-time or external candidate. In the case of a candidate who has been awarded the degree of Bachelor with Honours or who has had previous research experience the Committees may approve remission of up to one session for a full-time candidate and two sessions for a part-time or external candidate.

(9) A full-time candidate for the degree shall present for examination not later than six academic sessions from the date of enrolment. A part-time or external candidate for the degree shall present for examination not later than ten academic sessions from the date of enrolment. In special cases, an extension of these times may be granted by the Committee.

#### Progression

4. The progress of the candidate shall be considered by the Committee following report from the School in accordance with the procedures established within the School and previously noted by the Committee.

(i) The research proposal will be reviewed as soon as feasible after enrolment. For a full-time student this will normally be during the first year of study, or immediately following a period of prescribed coursework. This review will focus on the viability of the research proposal.

(ii) Progress in the course will be reviewed within twelve months of the first review. As a result of either review the Committee may cancel enrolment or take such other action as it considers appropriate. Thereafter, the progress of the candidate will be reviewed annually.

#### Thesis

5. (1) On completing the program of study a candidate shall submit a thesis embodying the results of the investigation or design.

(2) The candidate shall give in writing to the Registrar two months notice of intention to submit the thesis.

(3) The thesis shall present an account of the candidate's own research. In special cases work done conjointly with other persons may be accepted, provided the Committee is satisfied about the extent of the candidate's part in the joint research.

(4) The candidate may also submit any work previously published whether or not such work is related to the thesis.

(5) Three copies of the thesis shall be presented in a form which complies with the requirements of the University for the preparation and submission of theses for higher degrees.

(6) It shall be understood that the University retains the three copies of the thesis submitted for examination and is free to allow the thesis to be consulted or borrowed. Subject to the provisions of the Copyright Act,

1968, the University may issue the thesis in whole or in part, in photostat or microfilm or other copying medium.

**Examination**

6. (1) There shall be not fewer than two examiners of the thesis, appointed by the Committee, at least one of whom shall be external to the University unless the Committee is satisfied that this is not practicable.

(2) At the conclusion of the examination each examiner shall submit to the Committee a concise report on the merits of the thesis and shall recommend to the Committee that:

- (a) The thesis merits the award of the degree.
- (b) The thesis merits the award of the degree subject to minor corrections as listed being made to the satisfaction of the Head of School.

(c) The thesis requires further work on matters detailed in the report. Should performance in this further work be to the satisfaction of the Higher Degree Committee, the thesis would merit the award of the degree.

(d) The thesis does not merit the award of the degree in its present form and further work as described in the examiner's report is required. The revised thesis should be subject to reexamination.

(e) The thesis does not merit the award of the degree and does not demonstrate that resubmission would be likely to achieve that merit.

(3) If the performance at the further examination recommended under (2)(c) above is not to the satisfaction of the Committee, the Committee may permit the candidate to represent the same thesis and submit to further examination as determined by the Committee within a period specified by it but not exceeding eighteen months.

(4) The Committee shall, after consideration of the examiners' reports and the results of any further examination, recommend whether or not the candidate may be awarded the degree. If it is decided that the candidate be not awarded the degree the Committee shall determine whether or not the candidate may resubmit the thesis after a further period of study and/or research.

**Fees**

7. A candidate shall pay such fees as may be determined from time to time by the Council

**9045 Master of Public Health (by Coursework)**

**MPH**

**Typical Duration**

1 year

**Minimum UOC for Award**

48 units of credit

**Typical UOC per Session**

24 units of credit

**Program Description**

The Master of Public Health (MPH) is widely recognised as essential for a career in population health, including health promotion, primary health care, policy formulation, research, and management of health programs. Many of our graduates occupy key positions in health services and universities in the Western Pacific and Asian regions.

**Program Objectives and Learning Outcomes**

The Master of Public Health program provides preparation for education, research and service in all aspects of public health. The program includes study in epidemiology, quantitative and qualitative research methods, health services management, health promotion, development and education in health, as well as a systematic review of topical public health issues. It is designed to address the continuing education needs of specialists in public health as well as providing a general orientation to public health issues and methods for the health professions.

**Program Structure**

The MPH program is offered in full-time, part-time and external modes. For most external courses, students must attend compulsory residential school workshops at the Kensington campus twice a year, once before each semester of study. The program comprises the following components, for a total of 48 units of credit:

1. Core courses 24 units of credit
2. Elective courses 16 units of credit
3. Project (PHCM9147) or Electives 8 units of credit

The program articulates with the Graduate Diploma in Public Health (GradDipPH 5507), the Graduate Certificate in Public Health (GradCertPH 7368) and the Graduate Certificate in Health Services Management. Credit for courses completed as part of the GradDipPH, the GradCertPH and GradCertHSM may be transferred to the Master's program.

**Core Courses**

|          |                                   |         |
|----------|-----------------------------------|---------|
| PHCM9012 | Health Promotion                  | (4 UOC) |
| PHCM9131 | Research Skills for Public Health | (4 UOC) |
| PHCM9499 | Epidemiology for Public Health    | (4 UOC) |
| PHCM9503 | Statistics for Public Health      | (4 UOC) |
| PHCM9516 | Introduction to Public Health     | (4 UOC) |
| PHCM9751 | Management for Public Health      | (4 UOC) |

**Additional Course Requirement for International Students:**

International students from non-English speaking countries enrolled in the full time program in Sydney (Kensington campus) are required to take the following additional core course in their first session. This course is available for all students to assist to gain maximum benefit from their study and contributes 4 units of credit towards the total of 48 units of credit for the program.

|          |                 |         |
|----------|-----------------|---------|
| PHCM9100 | Academic Skills | (4 UOC) |
|----------|-----------------|---------|

**Electives**

A large variety of electives are offered, enabling students to focus on areas of interest and professional relevance. In addition, students may enrol in electives which are offered by other schools and academic units within the University of New South Wales, as well as courses offered in the Department of Public Health and Community Medicine at the University of Sydney. Students may elect to undertake independent studies across selected areas of concentration, to learn about a particular area or course matter of special interest which is not offered in the formal program (PHCM9101/2/3/4).

The following electives are offered in 2006

|          |   |         |
|----------|---|---------|
| PHCM9010 | Community Development                                   | (4 UOC) |
| PHCM9015 | Health Services Development and Implementation          | (6 UOC) |
| PHCM9041 | Health Care Systems                                     | (6 UOC) |
| PHCM9071 | Health Care Financial Management 1                      | (6 UOC) |
| PHCM9081 | Health Care Financial Management 2                      | (4 UOC) |
| PHCM9101 | Independent Study (2 UOC)                               | (2 UOC) |
| PHCM9102 | Independent Study (4 UOC)                               | (4 UOC) |
| PHCM9103 | Independent Study (6 UOC)                               | (6 UOC) |
| PHCM9104 | Independent Study (8 UOC)                               | (8 UOC) |
| PHCM9108 | Program Evaluation and Planned Change                   | (4 UOC) |
| PHCM9111 | Quality and Clinical Practice Improvement               | (4 UOC) |
| PHCM9120 | Qualitative Research Methods                            | (4 UOC) |
| PHCM9121 | Measurement of Quality of Life and Patient Satisfaction | (4 UOC) |
| PHCM9122 | Primary Health Care: Policies, Programs & Perspectives  | (4 UOC) |
| PHCM9125 | Designing Short Courses and Workshops                   | (4 UOC) |
| PHCM9133 | Learning, Teaching and Assessment                       | (4 UOC) |
| PHCM9136 | Culture, Health and Illness                             | (4UOC)  |
| PHCM9140 | Project Design and Monitoring in International Health   | (4 UOC) |
| PHCM9331 | Ethics & Law: Public Health & Administration            | (4 UOC) |
| PHCM9351 | Health Economics  | (6 UOC) |
| PHCM9431 | Interpersonal Communications in Organisations           | (4 UOC) |
| PHCM9441 | Healthcare Economics and Financial Management           | (6 UOC) |
| PHCM9442 | Health Resources Planning and Development               | (6 UOC) |
| PHCM9471 | Comparative Health Care Systems                         | (6 UOC) |
| PHCM9501 | Computing Techniques for Health Services Management     | (4 UOC) |
| PHCM9517 | Advanced Biostatistics and statistical computing        | (4 UOC) |
| PHCM9518 | Case Studies in Epidemiology                            | (4 UOC) |
| PHCM9604 | Alcohol and Other Drug Issues                           | (4 UOC) |
| PHCM9605 | Health in Developing Countries                          | (4 UOC) |
| PHCM9608 | Rural Health Studies 1                                  | (4 UOC) |
| PHCM9610 | Food & Nutrition Policy Studies                         | (4 UOC) |
| PHCM9611 | Health of the Elderly                                   | (4 UOC) |
| PHCM9612 | Environmental Health                                    | (4 UOC) |
| PHCM9614 | Researching Marginalised Groups                         | (4 UOC) |
| PHCM9615 | Delivery of Primary Health Services in the Community    | (4 UOC) |
| PHCM9621 | HIV/AIDS: Australian and International Responses        | (4 UOC) |
| PHCM9626 | Inequalities and Health                                 | (4 UOC) |



|          |                                    |         |
|----------|------------------------------------|---------|
| PHCM9630 | Indigenous Health in Australia     | (4 UOC) |
| PHCM9633 | International Tobacco Control      | (4 UOC) |
| PHCM9661 | Current Issues in Health           | (4 UOC) |
| PHCM9701 | Managing Human Resources in Health | (6 UOC) |
| PHCM9711 | Management of Organisations        | (6 UOC) |
| PHCM9741 | Management of Change               | (4 UOC) |
| PHCM9748 | Clinical Governance                | (6 UOC) |
| PHCM9761 | Public Mental Health in Australia  | (4 UOC) |
| PHCM9901 | Health Systems Simulation          | (6 UOC) |
| PHCM9911 | Health Informatics Principles      | (6 UOC) |
| PHCM9922 | Decision Support Systems           | (4 UOC) |

Many electives are also available in Distance Education mode.

Please check the School's website (<http://sphcm.med.unsw.edu.au>) for current information

### Project

The project comprises an in-depth study of a contemporary public health issue. Students are expected to demonstrate their ability to apply knowledge and skills gained in the program. The project may be in the form of a small-scale research study, a case study, a program evaluation or a report on a field placement. It is normally undertaken after completion of all core and elective courses. Provisional topics for the project will be determined in consultation with an academic adviser from the School early in the program and refined in PHM9131 Research Skills in Public Health.

|          |                       |         |
|----------|-----------------------|---------|
| PHCM9147 | Major Project (8 UOC) | (8 UOC) |
|----------|-----------------------|---------|

### Plans (Areas of Specialisation)

The following specialisations (plans) are now available in the Master of Public Health. These allow students to focus their studies on areas where the School has considerable expertise, and incorporate field studies and project work:

#### Health Promotion – plan PHCMJS9045

#### Education - plan PHCMES9045

#### International Health and Development - plan PHCMIS9045

#### Primary Health Care - plan PHCMPS9045

#### Health Promotion - Plan PHCMJS9045

The MPH in Health Promotion is designed for students who wish to specialise in health promotion. This specialisation is reflected in their testamur. Students must complete 48 units of credit as follows:

##### A. MPH core courses (24 units of credit)

##### B. Two courses (8 units of credit) from:

|          |                              |         |
|----------|------------------------------|---------|
| PHCM9010 | Community Development        | (4 UOC) |
| PHCM9108 | Program Evaluation           | (4 UOC) |
| PHCM9120 | Qualitative Research Methods | (4 UOC) |
| PHCM9381 | Policy Studies               | (4 UOC) |

##### C. 8 units of credit including a project in a health promotion-related topic:

|          |               |         |
|----------|---------------|---------|
| PHCM9147 | Major Project | (8 UOC) |
|----------|---------------|---------|

or

one 4 unit of credit elective and

|          |                 |         |
|----------|-----------------|---------|
| PHCM9531 | Field Placement | (4 UOC) |
|----------|-----------------|---------|

##### D. 8 units of credit of electives

#### Education - Plan PHCMES9045

The MPH in Education introduces health and related professionals to essential skills and knowledge in adult education, relevant to public health. Students must complete 48 units of credit as follows:

##### A. MPH core courses (24 units of credit)

##### B. The following two courses (8 units of credit)

|          |                                 |         |
|----------|---------------------------------|---------|
| PHCM9133 | Learning, Teaching & Assessment | (4 UOC) |
| PHCM9302 | Learning in Small Groups        | (4 UOC) |

##### C. One of the following (4 units of credit)

|          |                                  |         |
|----------|----------------------------------|---------|
| PHCM9125 | Design Short Courses & Workshops | (4 UOC) |
| PHCM9306 | Clinical Supervision             | (4 UOC) |
| PHCM9307 | Exploring Ethical Dilemmas       | (4 UOC) |
| PHCM9309 | Assessing Clinical Performance   | (4 UOC) |

##### D. Elective (4 units of credit)

##### E. A project in an education-related topic:

|          |               |         |
|----------|---------------|---------|
| PHCM9147 | Major Project | (8 UOC) |
|----------|---------------|---------|

#### International Health and Development- Plan PHCMIS9045

The MPH in International Health Development provides students from developing countries with skills and knowledge to address key health

issues in their home countries, as well as enabling local students to contribute effectively to international health development. Students must complete 48 units of credit as follows:

##### A. MPH core courses (24 units of credit)

##### B. The following two courses (8 units of credit)

|          |                                |         |
|----------|--------------------------------|---------|
| PHCM9122 | Primary Health Care 1          | (4 UOC) |
| PHCM9605 | Health in Developing Countries | (4 UOC) |

##### C. 8 units of credit of electives

##### D. A project in an international health-related topic:

|          |               |         |
|----------|---------------|---------|
| PHCM9147 | Major Project | (8 UOC) |
|----------|---------------|---------|

#### Primary Health Care - Plan PHCMPS9045

The MPH in Primary Health Care is designed for students who wish to specialise in primary health care. Students must complete 48 units of credit as follows:

##### A. MPH core courses (24 units of credit)

##### B. Three courses (12 units of credit) from:

|          |                             |         |
|----------|-----------------------------|---------|
| PHCM9010 | Community Development       | (4 UOC) |
| PHCM9108 | Program Evaluation          | (4 UOC) |
| PHCM9122 | Primary Health Care 1       | (4 UOC) |
| PHCM9608 | Rural Health Studies 1      | (4 UOC) |
| PHCM9615 | Delivery of Health Services | (4 UOC) |

##### C. 8 units of credit including a project in a primary health care-related topic:

|          |               |         |
|----------|---------------|---------|
| PHCM9147 | Major Project | (8 UOC) |
|----------|---------------|---------|

or

one 4 unit of credit elective and

|          |                 |         |
|----------|-----------------|---------|
| PHCM9531 | Field Placement | (4 UOC) |
|----------|-----------------|---------|

##### D. Elective (4 units of credit)

### Academic Rules

Please refer to the Program Structure above and contact the School of Public Health and Community Medicine for further information.

### Admission Requirements

Applicants are required to have completed a Bachelor degree in a health-related discipline and to have at least three years' experience in a health or health-related field.

## 5507 Graduate Diploma in Public Health

### GradDipPH

#### Typical Duration

0.8 years

#### Minimum UOC for Award

36 units of credit

#### Typical UOC per Session

24 units of credit

### Program Description

A Public Health degree is widely recognised as essential for a career in population health, including health promotion, primary health care, policy formulation, research, and management of health programs.

The Master of Public Health articulates with the Graduate Diploma in Public Health (GradDip) and the Graduate Certificate in Public Health (GradCert).

### Program Objectives and Learning Outcomes

The Public Health programs provide preparation for education, research and service in all aspects of public health. The program includes study in epidemiology, quantitative and qualitative research methods, health services management, health promotion, development and education in health, as well as a systematic review of topical public health issues. It is designed to address the continuing education needs of specialists in public health as well as providing a general orientation to public health issues and methods for the health professions.

### Program Structure

The Graduate Diploma in Public Health is offered in full-time, part-time and external modes. For most courses, external students must attend compulsory residential school workshops at the Kensington campus twice a year, once before each semester of study.

The program is offered as a 36 unit of credit (UOC) program comprising nine courses from the Masters program, including 6 core courses and 12 UOC of electives.

**Core Courses**

|          |                                |         |
|----------|--------------------------------|---------|
| PHCM9012 | Health Promotion               | (4 UOC) |
| PHCM9131 | Research Skills                | (4 UOC) |
| PHCM9499 | Epidemiology for Public Health | (4 UOC) |
| PHCM9503 | Statistics for Public Health   | (4 UOC) |
| PHCM9516 | Introduction to Public Health  | (4 UOC) |
| PHCM9751 | Management for Pub Health      | (4 UOC) |

PLUS Electives (12 units of credit) from the elective offerings for the Master of Public Health program (9045).

**Academic Rules**

Please refer to the Program Structure above and contact the School Office for further information.

## 7368 Graduate Certificate in Public Health

**GradCertPH**

**Typical Duration**

0.5 years

**Minimum UOC for Award**

24 units of credit

**Typical UOC per Session**

24 units of credit

**Program Description**

The Graduate Certificate in Public Health provides preparation for education, research, and service in aspects of public health.

**Program Objectives and Learning Outcomes**

The Graduate Certificate in Public Health provides recognition to students who are limited to one semester of study

**Program Structure**

The Graduate Certificate in Public Health comprises the following courses:

|          |                               |         |
|----------|-------------------------------|---------|
| PHCM9516 | Introduction to Public Health | (4 UOC) |
|----------|-------------------------------|---------|

PLUS Electives (20 units of credit) from the elective offerings for the Master of Public Health program (9045).

Student can also choose to enrol in the Plan (Specialisation):

**Academic Rules**

Please refer to the Program Structure above and view the school website for further information.

## School of Women’s and Children’s Health

The School offers programs of study leading to the award of the following degrees:

- Graduate Diploma in Paediatrics
- Master of Reproductive Medicine
- Graduate Diploma in Reproductive Medicine
- Graduate Certificate in Reproductive Medicine

## 5500 Graduate Diploma in Paediatrics

**DipPaed**

**Typical Duration**

0.5 years

**Minimum UOC for Award**

24 units of credit

**Typical UOC per Session**

24 units of credit

**Program Description**

The program is taken over one year on a part-time basis. It is an externally run program conducted at the Sydney Children’s Hospital, Randwick. Candidates attend a program of lectures and grand rounds (approximately four and one-half hours per week). This degree is likely to appeal to doctors interested in a career in general practice or who are in the early stages of training for a speciality career in paediatrics.

The Graduate Diploma is awarded after satisfying the examiners in written and clinical examinations at the end of the program.

It must be noted that the Graduate Diploma of Paediatrics is intended for postgraduates who have medical degrees registrable in Australia and who are able to secure a paediatric appointment, salaried or otherwise, in a teaching hospital recognised by the University of New South Wales. The School of Women’s and Children’s Health takes no responsibility for making such arrangements.

**Program Structure**

|          |  |         |
|----------|--|---------|
| PAED9111 | General Paediatrics and Child Health 1 | (6 UOC) |
| PAED9112 | General Paediatrics and Child Health 2 | (6 UOC) |
| PAED9116 | Clinical and Technical Skills 1        | (3 UOC) |
| PAED9117 | Clinical and Technical Skills 2        | (3 UOC) |
| PAED9118 | Clinical Experience 1                  | (3 UOC) |
| PAED9119 | Clinical Experience 2                  | (3 UOC) |

Students should note that if they have to repeat the year due to failure in one or more course, they must re-enrol in and satisfactorily complete all courses in order to qualify for the Graduate Diploma.

**Academic Rules**

Please refer to the information above and contact the School Office for further information.

## 9065 Master of Reproductive Medicine

**MRMed**

**Typical Duration**

1 year

**Minimum UOC for Award**

48 units of credit

**Typical UOC per Session**

24 units of credit

**Program Description**

Reproductive medicine is an expanding field. It is at the forefront of emerging medico-scientific technology offering hope to many needy couples, and career opportunities to those with demonstrable skills and knowledge. Increasing numbers of medical practitioners are developing special interests in this area – particularly GPs, family planning practitioners and specialist gynaecologists working in menopause and infertility. In addition there are similar specialisations emerging in nursing and counselling, and amongst biological scientists. This program offers an entirely web-based alternative where practitioners are able to integrate their study program into their daily professional life without the costly disruption a face-to-face coursework entails.

**Program Objectives and Learning Outcomes**

The program will provide a more detailed knowledge of reproductive medicine and a qualification that will clearly demonstrate their expertise.

**Program Structure**

The MRMed is designed to be completed part-time over two (2) years. However, a significant degree of flexibility is allowed in completing the program to suit the student and his/her time commitments. Basic Reproductive Physiology must be completed before undertaking the clinical courses (SWCH9003/4/5). Students may then select any combination of electives to make a total of 48 UoC for the program. Students may undertake up to 12 UoC in courses from outside the School, with approval from the Program Coordinator. Assessment is all done on-line with electronically-marked MCQs, on-line discussion sessions and scheduled assignments. For each course students should allow 12 hours per week over the 14 week semester for reading, research, on-line chatroom, assessments and assignments.

**Core course**

|          |                               |         |
|----------|-------------------------------|---------|
| SWCH9001 | Basic Reproductive Physiology | (6 UOC) |
|----------|-------------------------------|---------|

**Elective courses**

|          |   |         |
|----------|---|---------|
| SWCH9002 | Contraception                               | (6 UOC) |
| SWCH9003 | Clinical Reproductive Endocrinology*        | (6 UOC) |
| SWCH9004 | Clinical Reproductive Medicine 1            | (6 UOC) |
| SWCH9005 | Clinical Reproductive Medicine 2*           | (6 UOC) |
| SWCH9006 | Laboratory Aspects of ART*                  | (6 UOC) |
| SWCH9007 | Menopause                                   | (6 UOC) |
| SWCH9008 | Psychosocial Issues in Reproductive Health* | (6 UOC) |

|          |                     |         |
|----------|---------------------|---------|
| SWCH9009 | Ethics & Law in RM* | (6 UOC) |
| SWCH9010 | Management for RM*  | (6 UOC) |
| PHCM9499 | Epidemiology        | (4 UOC) |
| PHCM9503 | Statistics          | (4 UOC) |

\*Course not available in 2006.

### Academic Rules

Please refer to the information above and contact the School Office for further information.

## 5508 Graduate Diploma in Reproductive Medicine

### GradDip

#### Typical Duration

0.8 years

#### Minimum UOC for Award

36 units of credit

#### Typical UOC per Session

24 units of credit

### Program Structure

The Graduate Diploma in Reproductive Medicine will be awarded after the satisfactory completion of 36 UOC. Students must complete SWCH9001 Basic Reproductive Physiology and 30 UOC from the following list of electives. Students may take up to 12 UOC in courses from outside the School, with approval from the Program Coordinator.

#### Core Course

|          |                               |        |
|----------|-------------------------------|--------|
| SWCH9001 | Basic Reproductive Physiology | (6UOC) |
|----------|-------------------------------|--------|

#### Elective courses

|          |   |         |
|----------|---|---------|
| SWCH9002 | Contraception                               | (6 UOC) |
| SWCH9003 | Clinical Reproductive Endocrinology*        | (6 UOC) |
| SWCH9004 | Clinical Reproductive Medicine 1            | (6 UOC) |
| SWCH9005 | Clinical Reproductive Medicine 2*           | (6 UOC) |
| SWCH9006 | Laboratory Aspects of ART*                  | (6 UOC) |
| SWCH9007 | Menopause                                   | (6 UOC) |
| SWCH9008 | Psychosocial Issues in Reproductive Health* | (6 UOC) |
| SWCH9009 | Ethics & Law in RM*                         | (6 UOC) |
| SWCH9010 | Management for RM*                          | (6 UOC) |
| PHCM9499 | Epidemiology                                | (4 UOC) |
| PHCM9503 | Statistics                                  | (4 UOC) |

\*Course not available in 2006.

### Academic Rules

Please refer to the information above and contact the School Office for further information.

## 7379 Graduate Certificate in Reproductive Medicine

### GradCert

#### Typical Duration

0.5 years

#### Minimum UOC for Award

24 units of credit

#### Typical UOC per Session

24 units of credit

### Program Structure

The Graduate Certificate in Reproductive Medicine will be awarded after the satisfactory completion of 24 UOC. Students must complete SWCH9001 Basic Reproductive Physiology and 18 UOC from the following list of electives. Students may take up to 12 UOC in courses from outside the School, with approval from the Program Co-ordinator

#### Core Course

|          |                               |        |
|----------|-------------------------------|--------|
| SWCH9001 | Basic Reproductive Physiology | (6UOC) |
|----------|-------------------------------|--------|

#### Elective courses

|          |                                      |         |
|----------|--------------------------------------|---------|
| SWCH9002 | Contraception                        | (6 UOC) |
| SWCH9003 | Clinical Reproductive Endocrinology* | (6 UOC) |
| SWCH9004 | Clinical Reproductive Medicine 1     | (6 UOC) |

|          |   |         |
|----------|---|---------|
| SWCH9005 | Clinical Reproductive Medicine 2*           | (6 UOC) |
| SWCH9006 | Laboratory Aspects of ART*                  | (6 UOC) |
| SWCH9007 | Menopause                                   | (6 UOC) |
| SWCH9008 | Psychosocial Issues in Reproductive Health* | (6 UOC) |
| SWCH9009 | Ethics & Law in RM*                         | (6 UOC) |
| SWCH9010 | Management for RM*                          | (6 UOC) |
| PHCM9499 | Epidemiology                                | (4 UOC) |
| PHCM9503 | Statistics                                  | (4 UOC) |

\*Course not available in 2006.

### Articulation

The program articulates with the Graduate Diploma in Reproductive Medicine 5508 and the Graduate Certificate in Reproductive Medicine 7379. Credit for courses completed as part of the GradDip and the GradCert may be transferred to the Master's program, in accordance with the UNSW policy on credit transfer.

#### Please note:

Students require internet access (preferably with broadband cable / high speed ADSL connection).

### Academic Rules

Please refer to the information above and contact the School Office for further information.

## School of Medical Sciences

The School offers programs of study leading to the award of the following degrees:

|      |  |
|------|--|
| 9055 | Master of Sports Medicine  |
| 5503 | Graduate Diploma in Sports Medicine  |
| 7378 | Graduate Certificate in Sports Medicine  |
| 8049 | Master of Science in Biopharmaceuticals (in conjunction with the School of Biotechnology) by Coursework or by Distance Education |
| 9060 | Master of Medical Science in Drug Development by Distance Education  |
| 5504 | Graduate Diploma in Drug Development by Distance Education   |
| 7370 | Graduate Certificate in Drug Development by Distance Education   |

## 9055 Master of Sports Medicine

### MSPMed

#### Typical Duration

3 years

#### Minimum UOC for Award

72 units of credit

### Program Description

The program aims to equip medical practitioners with a rigorous understanding of the theory and practice of sports medicine to meet the needs of people engaged in individual or team-related sporting activities through primary, secondary or tertiary prevention of disease processes.

The degree of Master of Sports Medicine will be awarded after the satisfactory completion of 72 units of credit and a final clinical examination. The 72 UOC consist of 54 UOC from coursework; 12 UOC from the completion of a compulsory research project and 6 UOC from attendance at two four-day practicum courses. For overseas students special arrangements can be made for the practicum component. The Sports Medicine programs are taught through the UNSW Sports Medicine Unit in distance education mode only. Apart from the practicum, there is no on-campus component. Subjects can be taken in any order although the course authority recommends a certain sequence.

### Program Structure

#### Core Courses:

|          |                            |          |
|----------|----------------------------|----------|
| PHPH5401 | Sports Injuries 1          | (6 UOC)  |
| PHPH5411 | Sports Injuries 2          | (6 UOC)  |
| PHPH5421 | Sports Injuries 3          | (6 UOC)  |
| PHPH5440 | Clinical Skills Training 1 | (3 UOC)  |
| PHPH5450 | Clinical Skills Training 2 | (3 UOC)  |
| PHPH5453 | Major Project and Report   | (12 UOC) |
| PHPH5571 | Research Methods           | (6 UOC)  |



Students must select a further 30 UOC from the following electives:

|          |                                    |         |
|----------|------------------------------------|---------|
| PHPH5420 | Sports Psychology                  | (3 UOC) |
| PHPH5431 | Medical Applications of Exercise 1 | (6 UOC) |
| PHPH5441 | Medical Applications of Exercise 2 | (6 UOC) |
| PHPH5451 | Sports Science                     | (6 UOC) |
| PHPH5470 | Sports Nutrition                   | (3 UOC) |
| PHPH5510 | Sports Pharmacology                | (3 UOC) |
| PHPH5530 | Clinical Biomechanics              | (3 UOC) |
| PHPH5591 | Paediatric Sports Medicine         | (6 UOC) |
| PHPH5611 | Applied Sports Medicine            | (6 UOC) |
| PHPH5621 | Military Sports Medicine 1         | (6 UOC) |
| PHPH5631 | Military Sports Medicine 2         | (6 UOC) |

The program articulates with the Graduate Diploma in Sports Medicine 5503 and the Graduate Certificate in Sports Medicine 7378. Candidates initially enrol in the GradCert or GradDip. To progress to the MSpMed candidates must achieve at least a Credit average after 24 units of credit in the GradDip. Credit for courses completed as part of the GradDip and the GradCert may be transferred to the Master's program, in accordance with the UNSW policy on credit transfer.

### Academic Rules

Please refer to the Program Structure above and contact the Department of Sports Medicine for further information.

## 5503 Graduate Diploma in Sports Medicine

### GradDipSpMed

#### Typical Duration

1.5 years

#### Minimum UOC for Award

36 units of credit

### Program Description

The Graduate Diploma in Sports Medicine will be awarded after the satisfactory completion of 36 units of credit and a final clinical examination. Students must complete 24 UOC in core courses, and 12 UOC of electives offered by the Sports Medicine Unit.

### Program Structure

#### Courses

|          |                            |         |
|----------|----------------------------|---------|
| PHPH5401 | Sports Injuries 1          | (6 UOC) |
| PHPH5411 | Sports Injuries 2          | (6 UOC) |
| PHPH5421 | Sports Injuries 3          | (6 UOC) |
| PHPH5440 | Clinical Skills Training 1 | (3 UOC) |
| PHPH5450 | Clinical Skills Training 2 | (3 UOC) |

Students must select a further 12 UOC from the following electives:

|          |                                    |         |
|----------|------------------------------------|---------|
| PHPH5420 | Sports Psychology                  | (3 UOC) |
| PHPH5431 | Medical Applications of Exercise 1 | (6 UOC) |
| PHPH5441 | Medical Applications of Exercise 2 | (6 UOC) |
| PHPH5451 | Sports Science                     | (6 UOC) |
| PHPH5470 | Sports Nutrition                   | (3 UOC) |
| PHPH5510 | Sports Pharmacology                | (3 UOC) |
| PHPH5530 | Clinical Biomechanics              | (3 UOC) |
| PHPH5591 | Paediatric Sports Medicine         | (6 UOC) |
| PHPH5611 | Applied Sports Medicine            | (6 UOC) |
| PHPH5621 | Military Sports Medicine 1         | (6 UOC) |
| PHPH5631 | Military Sports Medicine 2         | (6 UOC) |

### Academic Rules

Please refer to the Program Structure above and contact the Department of Sports Medicine for further information.

## 7378 Graduate Certificate in Sports Medicine

### GradCertSpMed

#### Typical Duration

1 year

#### Minimum UOC for Award

24 units of credit

### Program Description

The Graduate Certificate in Sports Medicine will be awarded after the satisfactory completion of 24 units of credit. There are no compulsory

courses in the program; students can select from any of the following courses which are offered in the Sports Medicine program.

### Program Structure

#### Courses

|          |                                    |         |
|----------|------------------------------------|---------|
| PHPH5401 | Sports Injuries 1                  | (6 UOC) |
| PHPH5411 | Sports Injuries 2                  | (6 UOC) |
| PHPH5420 | Sports Psychology                  | (3 UOC) |
| PHPH5421 | Sports Injuries 3                  | (6 UOC) |
| PHPH5431 | Medical Applications of Exercise 1 | (6 UOC) |
| PHPH5441 | Medical Applications of Exercise 2 | (6 UOC) |
| PHPH5451 | Sports Science                     | (6 UOC) |
| PHPH5470 | Sports Nutrition                   | (3 UOC) |
| PHPH5510 | Sports Pharmacology                | (3 UOC) |
| PHPH5530 | Clinical Biomechanics              | (3 UOC) |
| PHPH5591 | Paediatric Sports Medicine         | (6 UOC) |
| PHPH5611 | Applied Sports Medicine            | (6 UOC) |
| PHPH5621 | Military Sports Medicine 1         | (6 UOC) |
| PHPH5631 | Military Sports Medicine 2         | (6 UOC) |

GradCert students who intend to continue in the GradDip or Masters program are advised to include PHPH5401 Sports Injuries 1, PHPH5411 Sports Injuries 2 and PHPH5421 Sports Injuries 3 to avoid having to undertake extra units of credit.

### Academic Rules

Please refer to the Program Structure above and contact the Department of Sports Medicine for further information.

## 8049 Master of Science in Biopharmaceuticals (by Coursework)

### MSc

This is an interdisciplinary program designed for graduates with backgrounds in either pharmacology or biotechnology who wish to obtain advanced training in both areas in order to gain expertise necessary for the development and use of the new generation of biopharmaceuticals which have been developed by, or result from, the application of molecular biology and recent developments in genomics and proteomics. It is open to graduates with a four year degree in a related discipline or who have, in the opinion of the Higher Degree Committee, acquired equivalent qualifications or experience. Prior study of biochemistry is required for the program.

**For full details of this program, please refer to the Faculty of Science section of this Handbook.**

## 9060 Master of Medical Science in Drug Development (by Distance Education)

### MMedSc

#### Typical Duration

3 years

#### Minimum UOC for Award

72 units of credit

### Program Description

The Master of Medical Science in Drug Development will be awarded to students who successfully complete the coursework identified below. The program consists of six core and six elective courses, delivered mainly by distance learning with some on-campus workshops. It takes a minimum of 3 years (six sessions) to complete. The elective courses shall be selected from those that are available in the particular session, provided prerequisite and timetabling constraints are met. The program is designed for persons wishing to pursue careers that relate to the development and safe use of medicines. Career opportunities exist in the pharmaceutical manufacturing industry, government and in research institutions such as universities. Health care professionals interested in developing new medicines and improving the use of existing medicines will find the course of value. The extensive range of electives enables the candidate to specialise in particular areas such as the discovery of new medicines, regulatory affairs, clinical trials, market development, medical department administration, preclinical studies, etc.

### Program Objectives and Learning Outcomes

The discovery, development and marketing of medicines has become a highly organised interdisciplinary team activity. Members of such

teams need to be literate in all aspects of drug development ranging from procedures for identifying lead compounds through to the full development of the product including preclinical studies, clinical trials and the legal, regulatory and ethical issues relevant to marketing and on-going vigilance of the medicine. The aim of this course is to enable people working in the field of developing and using pharmaceutical substances to obtain such expertise by providing core and elective materials in a distance-learning format. Since interchange of ideas is an essential part of any educational activity, the course will include interactive assignments with specific tutors and group discussions where students come together for tutorials, workshops and practice sessions, and generally to interchange ideas.

The educational principle governing the program's teaching approach is to streamline the provision of information and to concentrate on application. Thus, students are issued with a manual for each course. The manual contains, typically, about 200-250 pages of lecture notes plus 200-250 pages of attachments from the literature (relevant chapters from textbooks, published papers, etc., Australian and overseas government regulatory and policy documents, etc.).

### Program Structure

Below is a list of core and elective courses for the Master of Medical Science in Drug Development. Generally students must take all core courses and sufficient electives to give a total of 72 units of credit. The program proceeds in three stages, which correspond to Years 1 to 3 for students proceeding in the minimum time. In special cases, students may replace core courses with electives.

#### Year 1

##### Session One

|          |   |         |
|----------|---|---------|
| PHPH9100 | Discovery and Pre-clinical Development of New Medicines | (6 UOC) |
| PHPH9101 | Principles of Drug Action                               | (6 UOC) |

##### Session Two

|          |   |         |
|----------|---|---------|
| PHPH9104 | Law, Ethics and the Regulation of Medicines | (6 UOC) |
| PHPH9120 | Clinical Development of Medicines           | (6 UOC) |

#### Year 2

##### Session One

|          |   |         |
|----------|---|---------|
| PHPH9102 | Pharmaceutical Development of New Medicines | (6 UOC) |
| PHPH9121 | Postmarketing Development of Medicines      | (6 UOC) |

##### Session Two

Electives (2 x 6 units of credit)

#### Year 3

##### Session One

Electives (2 x 6 units of credit)

##### Session Two

Electives (2 x 6 units of credit)

##### Electives

Electives are chosen from the following:

|          |   |         |
|----------|---|---------|
| BIOT7070 | Recombinant Protein Expression Systems                      | (6 UOC) |
| BIOT7080 | Biopharmaceutical Production Process                        | (6 UOC) |
| BIOT7160 | Genomics and Proteomics                                     | (6 UOC) |
| BIOT7170 | Therapeutic Modalities of Biopharmaceuticals                | (6 UOC) |
| PHPH9107 | Therapeutics and the Molecular Basis of Disease 1           | (6 UOC) |
| PHPH9108 | Therapeutic Basis of Drug Use and Development 1             | (6 UOC) |
| PHPH9109 | Therapeutic Basis of Drug Use and Development 2             | (6 UOC) |
| PHPH9111 | Advanced Pharmaceutical Development of Medicines            | (6 UOC) |
| PHPH9112 | Advanced Pharmacokinetics                                   | (6 UOC) |
| PHPH9113 | Advanced Regulatory Affairs                                 | (6 UOC) |
| PHPH9114 | Pharmacoeconomics   | (6 UOC) |
| PHPH9116 | Advanced Clinical Trials Management                         | (6 UOC) |
| PHPH9118 | Therapeutics and the Molecular Basis of Disease 2           | (6 UOC) |
| PHPH9119 | Providing Independent Drug Information for General Practice | (6 UOC) |

### Academic Rules

Please refer to the Program Structure above and contact the School Office for further information.

## 5504 Graduate Diploma in Drug Development (by Distance Education)

### GradDipDD

#### Typical Duration

2 years

#### Minimum UOC for Award

48 units of credit

### Program Description

The Graduate Diploma in Drug Development is a part-time distance learning program that takes a minimum of two years to complete. The program is designed for persons wishing to pursue careers that relate to the development and safe use of medicines. Career opportunities exist in the pharmaceutical manufacturing industry, government and in research institutions such as universities.

Health care professionals interested in developing new medicines and improving the use of existing medicines will find the program of value. The extensive range of electives enables the candidate to specialise in particular areas such as the discovery of new medicines; regulatory affairs; clinical trials; market development; medical department administration; preclinical studies, etc.

The educational principle governing the program's teaching approach is to streamline the provision of information and to concentrate on application. Thus, students are issued with a manual for each course. The manual contains, typically, about 200-300 pages of lecture notes plus 200-250 pages of attachments from the literature (relevant chapters from textbooks, published papers, Australian and overseas government regulatory and policy documents, etc.).

To fulfil the program requirements, students must satisfactorily complete all of the core courses as well as electives totaling 12 units of credit.

### Program Structure

#### Year 1

##### Session One

|          |   |         |
|----------|---|---------|
| PHPH9100 | Discovery and Pre-clinical Development of New Medicines | (6 UOC) |
| PHPH9101 | Principles of Drug Action                               | (6 UOC) |

##### Session Two

|          |   |         |
|----------|---|---------|
| PHPH9104 | Law, Ethics and the Regulation of Medicines | (6 UOC) |
| PHPH9120 | Clinical Development of Medicines           | (6 UOC) |

#### Year 2

##### Session One

|          |   |         |
|----------|---|---------|
| PHPH9102 | Pharmaceutical Development of New Medicines | (6 UOC) |
| PHPH9121 | Postmarketing Development of Medicines      | (6 UOC) |

##### Session Two

Elective courses (2 x 6 units of credit) chosen from:

|          |   |         |
|----------|---|---------|
| PHPH9107 | Therapeutics and the Molecular Basis of Disease 1           | (6 UOC) |
| PHPH9108 | Therapeutic Basis of Drug Use and Development 1             | (6 UOC) |
| PHPH9109 | Therapeutic Basis of Drug Use and Development 2             | (6 UOC) |
| PHPH9111 | Advanced Pharmaceutical Development of Medicines            | (6 UOC) |
| PHPH9112 | Advanced Pharmacokinetics                                   | (6 UOC) |
| PHPH9113 | Advanced Regulatory Affairs                                 | (6 UOC) |
| PHPH9114 | Pharmacoeconomics   | (6 UOC) |
| PHPH9116 | Advanced Clinical Trials Management                         | (6 UOC) |
| PHPH9118 | Therapeutics and the Molecular Basis of Disease 2           | (6 UOC) |
| PHPH9119 | Providing Independent Drug Information for General Practice | (6 UOC) |

### Academic Rules

Please refer to the Program Structure above and contact the School Office for further information.

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## 7370 Graduate Certificate in Drug Development (by Distance Education)

### GradCertDD

#### Typical Duration

1 year

#### Minimum UOC for Award

24 units of credit

### Program Description

The Graduate Certificate in Drug Development will be awarded to students who successfully complete the following course work. This program has similar format and objectives to the Graduate Diploma but is designed for those people who wish to obtain a limited competency in the areas described. The program is offered as a part time distance learning program and will take a minimum of one year to complete.

The educational principle governing the program's teaching approach is to streamline the provision of information and to concentrate on application. Thus, students are issued with a manual for each course. The manual contains, typically, about 200-300 pages of lecture notes plus 200-250 pages of attachments from the literature (relevant chapters from textbooks, published papers, Australian and overseas government regulatory and policy documents, etc.).

### Program Structure

#### Year 1

##### Session One

|          |   |         |
|----------|---|---------|
| PHPH9100 | Discovery and Pre-clinical Development of New Medicines | (6 UOC) |
| PHPH9101 | Principles of Drug Action                               | (6 UOC) |

##### Session Two

|          |   |         |
|----------|---|---------|
| PHPH9104 | Law, Ethics and the Regulation of Medicines | (6 UOC) |
| PHPH9120 | Clinical Development of Medicines           | (6 UOC) |

#### Academic Rules

Please refer to the Program Structure above and contact the School Office for further information.