The University of New South Wales

Medicine

1991

Faculty Handbook

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Subject, courses and any arrangements for courses including staff allocated, as stated in the Calendar or any Handbook or any other publication, announcement or advice of the University, are an expression of intent only and are not to be taken as a firm offer or undertaking. The University reserves the right to discontinue or vary such subjects, courses, arrangements or staff allocations at any time without notice.

Information in this Handbook has been brought up to date as at 8 October 1990, but may be amended without notice by the University Council

Contents

Calendar of Dates

The academic year is divided into two sessions, each containing 67 days for teaching. There is a recess of approximately six weeks between the two sessions and there are short recesses of one week within each of the sessions.

Session 1 commences on the Monday nearest 1 March.

Faculties other than Medicine

	1991	1992
Session 1 (67 teaching days)	4 March to 28 March	2 March to 16 April
Recess:	*29 March to 7 April*	*17 April to 26 April*
	8 April to 14 June	27April to 10 June
Study Recess:	*15 June to 20 June*	*11 June to 16 June*
Examinations	21 June to 9 July	17 June to 3 July
Midyear Recess:	*10 July to 28 July*	*4 July to 26 July*
Session 2 (67 teaching days)	29 July to 27 September	27 July to 25 September
Recess:	*28 September to 7 October*	*26 September to 5 October*
	8 October to 6 November	6 October to 4 November
Study Recess:	*7 November to 12 November*	*5 November to 10 November*
Examinations	13 November to 29 November	11 November to 27 November

Faculty of Medicine

First, Second and Third Years	As for other faculties	As for other faculties
Fourth Year	Term 1 (8 weeks)	Term 1 (8 weeks)
	14 January to 10 March	13 January to 8 March
	Term 2 (7 weeks)	Term 2 (7 weeks)
	11 March to 28 April	9 March to 26 April
	Term 3 (6 weeks)	Term 3 (6 weeks)
	6 May to 16 June	4 May to 14 June
	Term 4 (8 weeks)	Term 4 (8 weeks)
	17 June to 11 August	15 June to 9 August
	Term 5 (6 weeks)	Term 5 (6 weeks)
	19 August to 29 September	17 August to 27 September
	Term 6 (6 weeks)	Term 6 (6 weeks)
	30 September to 10 November	28 September to 8 November

Medicine

Fifth Year	1991	1992	
	Term 1 (8 weeks) 21 January to 17 March Term 2 (8 weeks) 25 March to 19 May Term 3 (8 weeks) 27 May to 21 July Term 4 (8 weeks) 29 July to 22 September Term 5 (8 weeks) 30 September to 24 November	Term 1 (9 weeks) 20 January to 22 March Term 2 (9 weeks) 30 March to 31 May Term 3 (9 weeks) 9 June to 9 August Term 4 (9 weeks) 17 Agust to 18 October	
Session 1 (14 weeks)	4 March to 3 May	2 March to 1 May	**University College/ Australian Defence Force Academy**
May Recess:	*4 May to 19 May*	*2 May to 17 May*	
	20 May to 21 June	18 May to 19 June	
Midyear Recess:	*22 June to 21 July*	*20 June to 19 July*	
Examinations	24 June to 6 July	22 June to 11 July	
Session 2 (13 weeks)	22 July to 27 September	20 July to 25 September	
September Recess:	*28 September to 7 October*	*26 September to 4 October*	
	8 October to 25 October	5 October to 23 October	
Examinations	28 October to 15 November	26 October to 13 November	
Term 1 (10 weeks)	4 March to 12 May	Term dates under review	**Australian Graduate School of Management**
Term 2 (10 weeks)	3 June to 11 August		
Term 3 (10 weeks)	2 September to 10 November		

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Comprises Schools of Anatomy, Community Medicine, Medical Education, Medicine, Obstetrics and Gynaecology, Paediatrics, Pathology, Physiology and Pharmacology, Psychiatry, and Surgery.

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Moya Patricia Pedemont

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Gary George Graham, MSc PhD *Syd.*
Robert Alastair Beveridge Holland, MD BS Syd., FRACP
Michael Alan Perry, MRurSc *N.E.*, PhD *N.S.W.*

Senior Lecturers

¶Elizabeth Frances Burcher, BSc Edin., PhD *N.S.W.*
John Joseph Carmody, MD BS *Qld.*
David George Garlick, BSc(Med) MB BS *Syd.*, PhD *A.N.U.*
Dana Domnica Jamieson, MSc *Syd.*, DSc *N.S.W.*
Bruce Stanley Nail, *BSc W.A.*, DPhil *Oxf.*
Ian Richard Neering, BSc PhD *N.S.W.*, MSc *Syd.*
¶Erica Kathleen Potter, BSc *Syd.*, PhD *N.S.W.*
§Leonard Henry Storlien, BSc Lethbridge, MA *Br. Cl.*, PhD *A.N.U.*
††Kenneth Mapson Williams, BSc PhD *N.S.W.*

Lecturer

Gillian Phyllis Courtice, BSc PhD *Syd.*

Tutors

Mark Robert Goldstein, BSc *N.S.W.*
Rosemary Christina Kingsford, BSc *Syd.*, DipEd *SydTeachersColl.*, DipAnimalCare *N.S.W.I.T.*
Regan Pallandi, BSc *N.S.W.*

Professional Officers

Edward Norman Crawford, BE *N.S.W.I.T.*
Andrew Donald Stevens, PhD *N.S.W.*

Honorary Visiting Professors

Frederick Colin Courtice, MA DPhil *Oxf.*, DSc *Syd.*, Hon.MD *N.S.W.*, LRCP, FRACP, FRACS, FAA, MRCS
Denis Newell Wade, BSc(Med) MB BS *Syd.*, DPhil *Oxf.*, FRACP

Honorary Visiting Fellows

Joan Dawes, BA MA DPhil *Oxf.*
Alan Malcolm Duffield, BSc PhD *W.A.*
Dennis Robert Kerr, MB BS *N.S.W.*, FFRACS, Dip ABA
John William Morley, BBSc *LaT.*, MSc PhD *Melb.*
Gregory Michael Murray, PhD *Tor.*, BDS, MDS, FRACDS

Honorary Associates

Mervyn John Cross, MB BS *Syd.*, FRACS
Bernard Joel Lake, MB BS *Syd.*, MRCP, MRCPEd
William Frederick Webb, MB BS *Syd.*

Administrative Officer

Barbara Millicent Bohdanowicz, BSc *Syd.*, DipEd

School of Psychiatry

Professor and Head of School

Gordon Barraclough Parker, MB BS *Syd.*, MD PhD *N.S.W.*, FRANZCP

Professors

John Gavin Andrews, ChB MD *Otago*, DPM *Melb.*, FRANZCP, MRCPsych
Derrick Michael Silove, MB ChB *CapeT.*, FRANZCP
‡Brent Geoffrey Herbert Waters, MB BS *Monash*, FRANZCP, FRCPS Can.

Associate Professors

Bryanne Ethel Waldie Barnett, MB ChB *Aberd.*, FRANZCP
Nathaniel McConaghy, MB BS *Qld.*, BSc MD DPM *Melb.*, FRANZCP

Senior Lecturers

ΔJennifer Anne Bergen, MB BS *Syd.*, FRANZCP
Philip Manley Boyce, MB BS *Lond.*, DipPsychother *Adel.*, FRANZCP, MRCS, LRCP
‡Henry Brodaty, MB BS *Syd.*, FRACP, FRANZCP
††Neil Steven Buhrich, MB BS *Syd.*, MD *N.S.W.*, DPM *Lond.*, MRCPsych
‡Stanley Victor Catts, MB BS *N.S.W.*, FRANZCP
††James Graham Durham, MB BS *Adel.*, DPM *Melb.*, FRANZCP
‡Florence Levy, MB BS *Melb.*, MPh *Yale*, MD *N.S.W.* MRANZCP
Philip Bowden Mitchell, MB BS *Syd.*, MRCPsych, FRANZCP
‡Richard John Perkins, MB BS *Lond.*, DPM(RCP&RCS), MRCPsych
‡Perminder Singh Sachdev, MB BS, MD, MRANZCP
Carolyn Quadrio, MB BS, DPM, FRANZCP

Lecturers

ΔWilliam Bruce Andrews, MB BS *N.S.W.*, FRANZCP
‡John Lindsay Brennan, BSc(Med) MB BS *Syd.*, FRANZCP
•‡•Nerida Brinkley, MB BS DPM *Melb.*, FRANZCP
‡Charles Post Doutney, MB BS, FRANZCP
†Brian Michael Draper, MB BS *Syd.*, FRANZCP
‡Michael Dudley, MB BS *Syd.*, BD *Melb.*, FRANZCP
††Edgar David d'Arigdor Freed, MB ChB *Witw.*, FRANZCP
†Jean Eric Gassy, MB BS *Syd.*, FRANZCP
‡Dusan Hadzi-Pavlovic, BSc MPsychol *N.S.W.*
‡Ian Bernard Hickie, MB BS *N.S.W.*, FRANZCP
Catherine Mason, MB BS *Syd.*, MPH Syd.
‡Kathleen Anne Wilhelm, MB BS *N.S.W.*, FRANZP
‡John Murray Wright, MB BS *Syd.*, FRANZCP

Senior Tutor

Renate Wagner, PhD *Austria*

Honorary Visiting Fellows

Alexander Blaszczynski, BA *N.S.W.*, MA DipPsych *Syd.*, MAPS
Brian Oldenberg, BSc MPsychol *N.S.W.*

Administrative Assistant

Sandra Evans

Sutherland Hospital

Clinical Teaching Administration

Clinical Supervisor

†Louis Eugene McGuigan, MB BS *N.S.W.*,, FRACP

Royal Hospital for Women

Department of Anaesthetics and Resuscitation

Senior Lecturer

✿Stephen Paul Gatt, MD *Malta.*, FFARACS, MRCS, LRCP

Lecturer

✿Ross Francis Smith, MB BS *N.S.W.*,FFARACS

Biomedical Electron Microscope Unit

Electron Microscopist

Melvyn Roderick Dickson, BSc *N.Z.*, PhD *A.N.U.*, DipRMS

Senior Technical Officer

Serge Kouprach

Medical Illustration Unit

Head

Michael John Oakey, ABIPP, AIMBI, RBI

Senior Technical Officer

Don Strachan

Biomedical Mass Spectrometry Unit

Director

Mark William Duncan, BSc PhD *N.S.W.*

Professional Officer

David John Bourne, BAppSc *Darling Downs C.A.E.*, BSc *N.S.W.*

National Centre in HIV Epidemiology & Clinical Research

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Deputy Director
Vacant

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Centre for Continuing Medical Education

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Richard Phillip Mattick, BSc *N.S.W.*

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Professor B. B. Heather
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Dr A. Reynolds
Dr N. Swan

Garvan Institute of Medical Research
- St Vincent's Hospital

Professor and Executive Director
Vacant

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Head, Cancer Biology Division
Robert Lyndsay Sutherland, MAgSc *Cant.*, PhD *A.N.U.*

Head, Bone and Mineral Division
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Head, Diabetes Group
Edward William Kraegen, BSc PhD *N.S.W.*, MACPSM

Head, Clinical Investigation Group
Ken K. Y. Ho, MB BS *Syd.*, MD *N.S.W.*, FRACP

Head, Nutrition Group
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General Manager
Norma Perry, MComm *N.S.W.*, ACA

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Children's Leukaemia & Cancer Research Unit
— Prince of Wales Children's Hospital

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Skin and Cancer Foundation

Chief Executive Officer
Mr L. M. Lewis, AASA, CPA

Conjoint Key

**Conjoint appointment with the Faculty of Engineering

‡Conjoint appointment with Prince Henry and Prince of Wales Hospitals

††Conjoint appointment with St Vincent's Hospital

†Conjoint appointment with St George Hospital

‡‡Conjoint appointment with Sutherland Hospital

✿Conjoint appointment with Royal Hospital for Women

✛Conjoint appointment with St Margarets Hospital

○Conjoint appointment with Royal South Sydney Hospital

✻Conjoint appointment with Childrens Leukaemia and Cancer Research Unit.

§Conjoint appointment with Garvan Institute of Medical Research

✣Conjoint with appointment as a National Health and Medical Research Council Research Fellow

¶Conjoint with appointment as a National Health and Medical Research Council Senior Research Fellow

☆Conjoint with appointment as a National Health and Medical Research Council Principal Research Fellow

●Illawarra Area Health Service

✲Sydney Hospital

Message to New Students from the Dean

It is a pleasure to welcome you to The University of New South Wales and to congratulate you on your entry to the medical course. Competition for entry to this course is intense and you have all demonstrated considerable academic achievement in obtaining a place. You are, therefore, well equipped to commence your undergraduate studies and I sincerely hope that your years as students in the Faculty will be happy, interesting and productive.

The Faculty of Medicine in this University was founded in 1959 and has developed into a strong and vigorous academic community. It offers opportunities for you to develop knowledge, skills and experience in a wide variety of fields ranging from the personal problems of patients to matters which are of a most complex technological and scientific nature. Over the past 30 years the medical undergraduate curriculum has evolved in accordance with changing concepts in medicine and the changing needs and expectations of the community. The curriculum is under constant review and it is probable that changes will occur during your undergraduate years. Indeed, 1988 saw the introduction of the first year of a new six year undergraduate curriculum. The new course came after considerable review of the former five year curriculum and one of its objectives is to give students more time to reflect upon their studies in the pre-clinical years and an opportunity to gain increased clinical exposure during the clinical years of the course.

Another objective of the medical course, (as listed in this Handbook), is to develop in our undergraduate students attitudes and skills as well as the imparting of knowledge. These are necessary for you to function adequately as medical graduates and to fulfil your responsibilities to the changing needs of society. We hope to inculcate a critical but flexible approach to scientific thought so that you will be able to draw on information derived from a variety of sources,analyse it critically and apply your synthesis to the decision-making process. We are also concerned to stress your ethical responsibilities to the patient, to society and to the profession.

The Faculty assumes that students entering the course are able and willing to direct and accept responsibility for their own learning. It is, therefore, essential that you develop, as soon as possible, an appropriate study pattern. There is a great deal of factual knowledge to be acquired in the basic scientific disciplines which will form the infra-structure upon which you build your medical skills in the later years of the course. Knowledge will be presented to you partly in lectures, tutorials and demonstrations. There is also a major requirement for private study. Although the course will place considerable demands on your time and energy, I am sure you will appreciate the need to develop interests outside your studies and, where possible, participate in student affairs within the Faculty and the University. Clearly there is a great deal more to a University education than attending lectures and passing examinations. It is, therefore, desirable that you participate in the corporate life of the University if you are to enjoy the full and diverse experience that distinguishes University graduates from those of other tertiary institutions. Students should also aim to read as widely as possible outside the confines of the medical curriculum. With this in mind, Faculty has prepared a Reading List (available from the Faculty Office) and you are encouraged to read from this list during your years with the Faculty.

This Handbook is available to all students in the medicine course and the combined Science and Medicine course and it is important that you read it and succeeding editions, and retain it for reference. Information about course content, assessment procedures and rules of progression for each year of the course is published in the Handbook and may not be made available to students in any other form. You are advised also to consult frequently the noticeboards in the various Schools and in the foyer of the Wallace Wurth Building, as well as the official noticeboards of the University.

Finally, may I wish you every success in the course and hope that you will enjoy your time with us. If you have any difficulties or any unanswered questions I hope that you will contact the Faculty Administration Office and other members of the Faculty for assistance.

W. E. Glover
Dean
Faculty of Medicine

Faculty Information

Some People Who Can Help You

If you require advice about enrolment, degree requirements, progression within courses or any other general Faculty matters contact one of the following people, located in the Faculty of Medicine Administration Building (map reference B28):

Gordon Rees, Administrative Officer, Faculty of Medicine. Telephone 697 2459.

Moya Pedemont, Administrative Assistant, Faculty of Medicine. Telephone 697 2452.

Peter Cook, Executive Officer, Faculty of Medicine. Telephone 697 2450.

The Faculty

The Faculty of Medicine was established when the New South Wales 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 course 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 course to a six year curriculum in 1988.

The Faculty of Medicine consists of all members of the academic staff together with nominees from professional organizations, teaching hospitals and the student body. The Chairman 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 (listed below), some of which perform administrative tasks, while many assist in maintaining a constant review of the curriculum and the objectives of medical education.

Schools in the Faculty of Medicine are Anatomy, Community Medicine, Medical Education, Medicine, Obstetrics and Gynaecology, Paediatrics, Pathology, Physiology and Pharmacology, Psychiatry and Surgery. The Faculty is supported in its operations by the Centres for Continuing Medical Education, Immunology, National Drug and Alcohol Research, Public Health, as well as a Mass Spectrometry Unit, a Biomedical Electron Microscope Unit, a Medical Illustration Unit, a Carcinogenesis Research Unit and the National Centre in HIV Epidemiology and Clinical Research. The Faculty is also affiliated with the Garvan Institute for Medical Research at St. Vincents Hospital, the Childrens Leukaemia and Cancer Research Unit at the Prince of Wales Hospital and the Skin and Cancer Foundation.

Important: As changes may be made to information provided in this handbook, students should frequently consult the noticeboards of the schools and the official noticeboards of the University.

Committee Structure

Faculty of Medicine

Executive Committee of Faculty
Admissions and Re-enrolment Committee
Assessment Committees
Biomedical Library Advisory Committee
BSc (Med) Hons Course Committee
BSc MBBS Course Committee
Curriculum Committee and its various Sub-Committees
Higher Degree Committee
Dean's Advisory Committee
Faculty Resources Allocation Advisory Committee
Hospital Boards of Medical Studies
UNSW Oncology Advisory Committee
Commonwealth Postgraduate Awards Committee
Faculty Academic Promotions Committees
Faculty Research Advisory Committee
Centre for Continuing Medical Education Management Committee
Centre for Immunology Advisory Committee
National Centre in HIV Epidemiology and Clinical Research Management Committee

Costs in Addition to Fees

Details of fees have been provided in the *Guide to Students* 1990 but in Medicine there are additional costs.

Students, when embarking on their degrees, may not be aware of the incidental costs which occur from time to time during the course. The following is an estimate, based on students' experience, of the expenditure which is likely to be incurred over the full length of the course. The amounts quoted are, of course, subject to some variation.

	$ approx.
Textbooks	1500
Two coats (1 laboratory, 1 hospital)	60
Stethoscope	80-300
Opthalmoscope	180-250
Laboratory Manuals	150
Miscellaneous (papers, pens, kits, diagnostic equipment, laboratory manuals and aids, etc)	300

One long white coat is required for use in the Schools of Anatomy and Biochemistry and one short coat for use in the hospitals.

Attendance at and Residence in Hospitals

From Year 2 students attend hospitals and must wear short white coats while at the hospitals.

There are times in the later years of the course when students are either required or may elect to live in the hospitals for periods ranging from one night to a term. Accommodation charges at the prevailing rate must be paid directly to the hospitals for all periods of residence.

General Education Requirement

The University requires that all undergraduate students undertake a structured program in General Education as an intergral part of studies for their degree.

Among its objectives, the General Education program provides the opportunity for students to address some of the key questions they will face as individuals, citizens and professionals.

The program requires students to undertake studies in three categories of the program:

CATEGORY A. An introduction in non-specialist terms to an understanding of the environments in which humans function.

CATEGORY B. An introduction to, and a critical reflection upon, the cultural bases of knowledge, belief, language, identity and purpose.

CATEGORY C. An introduction to the development, design and responsible management of the systems over which human beings exercise some influence and control. This category is required only of students in four-year professional and honours programs.

The key questions addressed by the Program are:

CATEGORY A: The External Context

Course requirement: 2x28 hr subjects

1. How do we, can we, generate wealth? (Australia and the Development of the World Economy)
2. How can we, ought we, distribute wealth, status and power? (Human Inequality)
3. What steps should we take, and what policies should we adopt, in science and technology? (Science and Civilization)
4. What effects do our wealth generating and techno-scientific activities have on the environment? (Ecosystems, Technology and Human Habitation)
5. What are the effects of the new mass media of communication? (Mass Media and Communication)
6. What are the key social and cultural influences on Australia today? (Australian Society and Culture)

CATEGORY B: The Internal Context of Assumptions And Values

Course requirement: 2x28 hr subjects.

1. How do we define ourselves in relation to the larger human community? (The Self and Society)
2. How do our conceptions of human nature and well being influence both individual and social behaviour? (Changing Conceptions of Human Nature and Well-Being)
3. What are the prevailing conceptions of and challenges to human rationality? (The Pursuit of Human Rationality)
4. How do language, images and symbols function as means and media of communication (The Use of Language, Images and Symbols)
5. What is the impact of the computer on human society and

culture? (The Computer: Its Impact, Significance and Uses)

6. Which systems of belief and configurations of values are most conducive to the survival and enhancement of the human species and the planet earth? (Beliefs, Values and the Search for Meaning)

CATEGORY C: An Introduction To The Design And Responsible Management Of The Human And Planetary Future

The central question to be addressed by students in a systematic and formal way is:

For what purpose or purposes will I use my intellectual skills, my expertise, or my technological prowess?

Will these abilities be used, for example:

(i) in a creative and innovative way?

(ii) to widen the circle of human participation in the benefits they bring?

(iii) to break down the barriers of exclusion and discrimination?

(iv) to enhance the prospects for survival of the human species?

(v) to enhance the capacity of the planet earth to sustain life?

The exact form in which Category C will be satisfied is still being decided and should be finalized during 1991. This could involve, however, a slight change to the later years of each of the courses. There are differing requirements for students commencing before, in, and after 1988. Students must complete a program of general education in accordance with the requirements in effect when they commenced their degree program. Students Should Consult The Appropriate Course Authority or The Centre for Liberal and General Studies in Morven Brown Building, Room G58.

Students With Disabilities

The University of New South Wales has a policy of equal opportunity in education and seeks wherever possible to ensure maximum participation of students with disabilities.

The University offers a range of assistance: examination support; specialised equipment; educational support; parking provisions; library assistance.

A Resource Guide for students and staff with disabilities and a map showing wheelchair access is available from the Adviser to Students with Disabilities, the EEO Unit, the Library and the Students Union.

It is advisable to make contact with the Adviser to Students with Disabilities prior to, or immediately following enrolment, to discuss your support needs.

The Adviser can be contacted on 697-5418 or at Building F15 (Careers & Counselling Unit).

University Policy On Equal Opportunity In Education

The University of New South Wales has a policy of equal opportunity in education (EOE), a copy of which can be obtained from the Equal Opportunity Office or the Student Services Branch.

Schools, Departments and Committees of the Faculty of Medicine closely monitor course content; curriculum design; teaching and assessment, and printed and audiovisual material to ensure that they are not discriminatory or offensive, and to ensure the provision of equality of educational opportunity to all students.

The Faculty of Medicine also sponsors remedial English classes for those students disadvantaged by English communication difficulties. (Details can be obtained from the Faculty Office.)

The Faculty of Medicine also operates special admission schemes for disadvantaged students (ACCESS Scheme); students of aboriginal decent, and refugee medical practitioners.

The Faculty of Medicine has also established a Committee of Women Academics who, as part of their brief, monitor any special problems that may arise for female medical students.

Teaching Campuses

The Eastern Sydney Area Health Service

Principal Teaching Hospitals

Prince Henry Hospital,

Anzac Parade, Little Bay 2036

Telephone 661 0111, Facsimile 661 8853

Prince of Wales Hospital,

High Street, Randwick 2031

Telephone 399 0111, Facsimile 399 6191

The Hospital group, comprises 913 beds on two sites (Prince Henry 468, Prince of Wales Adult 445).

All medical specialities other than obstetrics are provided at a tertiary level by the Hospital Group. The Group is closely linked with the Community and Health Services Programs of the Eastern Sydney Area Health Service. Facilities include a comprehensive Oncology Service with medical, surgical and radiotherapy elements combined into an Institute of Oncology; comprehensive neurological and neurosurgical services combined into an Institute of Neurosciences with strong links to the State's only Neuropsychiatric Institute; Spinal Injuries Unit; Lithotripsy; AIDS Special Care Unit; a Geriatric

Assessment Unit and a newly formed Psychogeriatric Academic Unit. The senior medical staff numbers over 350 and junior medical staff 342 (including 120 on secondment to other centres).

The Hospital group has a history dating back to the late 19th century and has been an integral part of the medical education at The University of The New South Wales since 1959.

Limited student accommodation is available and other facilities include tennis courts, swimming pools and common rooms. Both Prince Henry and Prince of Wales Hospitals have a Medical Library.

The Prince of Wales Children's Hospital

High Street, Randwick 2031

Telephone 399 4450 Facsimile 399 2136

This is a paediatric tertiary referral hospital serving the whole of the state, one of two such Children's Hospitals in N.S.W. It comprises 202 beds of which 164 are located at The Randwick campus and the remainder at the Prince Henry Hospital. It has close links through senior paediatric and registrar staff with other teaching and associated hospitals such as the Royal Hospital for Women, Liverpool Hospital, Wollongong Hospital etc. It provides a complete range of paediatric services and has strong links with complimentary adult services of the Prince Henry and Prince of Wales Hospital Group.

There is a care-by-parent unit providing accommodation for parents and siblings and a Ronald McDonald House is under construction to provide additional care-by-parent accommodation. There is limited student accommodation with access to all student facilities, including the Medical Library of the Prince Henry and Prince of Wales Hospital Group.

The St Vincent's Hospital

Victoria Street, Darlinghurst 2010

Telephone 339 1111, Facsimile 332 4142

St Vincent's Hospital is the principal ecclesiastical hospital in New South Wales and is under the trusteeship of the Sisters of Charity. It was founded in 1857 and moved to the present site in 1870.

Students of medicine have attended the Hospital since 1891 and from 1923 to 1969 the Hospital was a Clinical School for the University of Sydney. Since then it has been a Principal Teaching Hospital of The University of New South Wales. The Clinical School and a student hostel were built in 1964. At present the Clinical School contains teaching facilities, audio-visual equipment, common rooms, library and pathology museum.

The St Vincent's Hospital has 500 available beds on a single campus. It is an acute general Hospital with highly developed specialist units in most areas of medicine and surgery. The Hospital provides referral services for New South Wales and Australia and services for the local community. Specialty services at the Hospital include cardiac transplantation, bone marrow transplantation, a Cancer Centre which provides an intergrated approach to the management of malignancy and a comprehensive AIDS service. Sophisticated diagnostic departments which include radiology, all branches of pathology and nuclear medicine support the clinicians of the Hospital. Extensive primary and secondary services are also provided to meet the needs of the local community and these include medical, surgical, geriatric and drug and alcohol services.

Research is undertaken in the Garvan Institute of Medical Research and Professorial Departments, the Department of Clinical Pharmacology and the Anxiety Disorders Unit. There are 7 Chairs at the Hospital which include medicine, surgery, cardiology, immunology, psychiatry, clinical pharmacology and biochemistry. The visiting medical staff numbers 110, the salaried staff 60 and the resident medical officers 200.

St. Vincent's Hospital is part of the integrated Campus of the Sisters of Charity which comprises St. Vincent's Private Hospital (250 beds), Sacred Heart Hospice (100 beds), the Garvan Institute of Medical Research and St. Vincent's Clinic.

The Royal Hospital for Women

Oxford Street, Paddington 2021

Telephone 339 4111

The Royal Hospital for Women is the University's Teaching Hospital in obstetrics and gynaecology. It is a specialist Hospital for obstetrics and gynaecology and includes a department of neonatal paediatrics. The visiting medical staff numbers 102, and the salaried and resident medical staff 20.

The Hospital, of 208 available beds, functions under the auspices of the Benevolent Society of NSW, which established Australia's first lying-in hospital in 1820. The first medical undergraduate students came to this Hospital in 1888 and the present site was occupied in 1901.

The first baby clinic, the forerunner of today's Baby Health Centres, was established in 1906. The State's first Antenatal Clinic was started in 1912 and this was the third such clinic in the world. In 1931 the first Achheim Zondeck Pregnancy Test was performed in Australia at the Royal Hospital for Women, and Australia's first Cancer Detection Clinic was established in 1948.

Currently the Department of Ultrasound at this Hospital has an international reputation in research and development of this equipment for use in obstetrics.

The new Department of Gynaecological Oncology has a world wide reputation for its standing in work on ovarian cancer and gynaecological oncology.

Associated Teaching Hospitals

The Royal South Sydney Hospital

Joynton Avenue, Zetland 2017

Telephone 697 8200, Facsimile 662 2219

The Royal South Sydney Hospital is a tertiary referral hospital for rehabiliation, with a particular interest in industrial rehabilitation, as well as amputees, hemiplegic and head injuries. It is accredited as a WorkCover provider and has 10% of the NSW market for rehabilitating injured workers back into the work place. There is a rehabilitation engineering unit with

a particular interest in seating and gait problems. Associated with rehabilitation is an occupational health unit which carries out risk assessments, training and general occupational health work.

The hospital provides primary and secondary care for its surrounding industrial area, and for its residents. Industrial injuries are a feature of this work.

The hospital is developing a significant orthopaedic unit, with a particular interest in the rapid treatment of hip and knee injuries, in association with both this hospital's rehabilitation services and those of the Prince of Wales Hospital.

Visiting medical staff numbers 34, salaried specialists 3 and resident medical staff 11.

St Margaret's Hospital

435 Bourke Street, Darlinghurst 2010

Telephone 339 0466, Facsimile 360 1713

St Margaret's Hospital commenced on 18 March 1894. The Hospital moved from its original site in Elizabeth and Cleveland Streets to its current site in 1911. In 1937 the Sisters of St Joseph were asked to accept responsibility for administering the Hospital. It was the first maternity hospital staffed and controlled by a religious order. It is a specialist Hospital in obstetrics and gynaecology and in 1964 was established as a teaching centre of the University of Sydney. In 1988 St. Margaret's became a teaching hospital of The University of New South Wales.

The present Hospital was built in 1951. The Hospital has 115 beds including 4 beds in the Special Care Nursery. It employs 110 salaried and visiting medical staff and 16 resident medical staff.

Sydney Hospital

Macquarie Street, Sydney 2000

Telephone 228 2111, Facsimile 221 5810

Sydney Hospital, the first hospital in Australia, was established at Dawes Point shortly after the arrival of the First Fleet in 1788. It was transferred to the Sydney Hospital site in Macquarie Street in 1811 when Governor Macquarie built the "Rum" Hospital. The first Nurses Training School in the Florence Nightingale tradition was established at the Hospital in 1868.

Sydney Hospital (incorporating Sydney Eye Hospital) has 176 beds, and provides inpatient and outpatient services in general medicine, general surgery, urology, Intensive Care Unit, psychiatry, gynaecology, orthopaedics, neurosurgery, casualty, ENT and hand surgery. These beds include 10 day-surgery beds at Sydney Hospital and 5 day-surgery beds at Sydney Eye Hospital. There are 110 visiting medical staff, 7 staff specialists and 45 resident medical officers (including Sydney Eye Hospital).

The Sydney Eye Hospital, site of the Department of Clinical Ophthalmology, University of Sydney is situated in Woollomooloo and has 66 beds.

Located on the Sydney Hospital site is the Sydney STD Centre and an Occupational Health and Safety Centre. The Hospital also operates the Sydney Eye Hospital, the Albion Street AIDS Clinic in Surrey Hills and Health Screening and Heart Health Programs.

The Hospital has a medical library of full teaching hospital standard and a medical staff common room but provides no accommodation. The campus is undergoing major refurbishment including construction of a new ward block. When completed, in 1993, the Hospital will have a total of 140 beds.

Sacred Heart Hospice

170 Darlinghurst Road, Darlinghurst 2010

Telephone 361 9444

The Hospice, established in 1890, is owned and governed by the Sisters of Charity of Australia. It provides a comprehensive palliative care service incorporating medical, nursing, pastoral, therapy, welfare and educational services. These services are available to in-patients and home-care patients and extend to the support of the patients' families. Respite care is provided.

Conducted by the Hospice are formal educational programmes for Hospice staff, staff from other facilities and tertiary students.

The present purpose-built Hospice was opened on 6 November 1988. It has 100 in-patient beds and four day-hospital beds.

The Southern Sydney Area Health Service

Principal Teaching Hospital

The St George Hospital

Belgrave Street, Kogarah 2217

Telephone 588 1111, Facsimile 588 7574

The St George Hospital was founded in 1894. It has subsequently developed from a District Hospital into a Teaching Hospital; initially with the University of Sydney in 1963 and then as a Principal Teaching Hospital with the University of New South Wales from 1 January 1967.

The total number of beds is 488, which includes general medical and surgical accommodation, together with departments of orthopaedics, obstetrics and gynaecology, paediatrics, psychiatry, rehabilitation and geriatrics, plus a home for developmentally disabled children.

Visiting and staff specialists number 107 and resident medical staff 140. The Clinical School includes teaching facilities, audiovisual equipment and library. Accommodation is available for students.

Associated Teaching Hospitals

The Canterbury Hospital

Canterbury Road, Campsie 2194

Telephone 789 9111, Facsimile 789 3450

The Canterbury Hospital, which was founded in 1928, has been an Associated Teaching Hospital of the University since 24 July 1963. It is a general medical, surgical and obstetric hospital of 154 approved beds and has a very busy accident and emergency department with over 33,000 attendances every year.

The Hospital is now part of the Southern Sydney Area Health Service. The area served is basically the Municipality of Canterbury and its immediate surrounds, the services provided being that of a district general hospital. The population served is approximately 135,000, which is made up partially of several predominant ethnic groups. This influences the type and level of services delivered to some extent.

Visiting medical staff totals 62, affiliates in obstetrics 8, salaried 6 and resident medical staff 30.

The Sutherland Hospital (Caringbah)

The Kingsway, Caringbah 2229

Telephone 540 7111, Facsimile 526 2130

The Sutherland Hospital (Caringbah) is a general medical, surgical and obstetric hospital. There is also a gazetted psychiatric unit and a 22 bed paediatric ward.

The Hospital has 385 beds. There is a well equipped library.

The Hospital is staffed by 100 visiting medical staff, 15 staff specialists and 42 resident medical staff.

The South Western Sydney Area Health Service

Telephone 821 5700, Facsimile 601 8501

The South Western Sydney Area Health Service became a Principal Teaching Campus of The University of New South Wales in early 1989.

The Area manages the hospitals and health services within the Bankstown, Fairfield, Liverpool, Campbelltown, Camden and Wollondilly Local Government Areas. The estimated population for the Area for 1991 is 641,500 people.

The Area is characterised by a predominantly young population and includes a large number of non-English speaking communities. The population growth rate for the Area is approximately 2% per year.

The Fairfield, Liverpool, Bankstown, Lidcombe, Camden, Campbelltown, Queen Victoria Memorial and Carrington Hospitals service the area.

Principal Teaching Hospital

The Liverpool Hospital

Elizabeth Street, Liverpool 2170

Telephone 600 0555

The Liverpool Hospital provides some 411 beds in general medicine, general surgery, obstetrics and paediatrics.

Major developments are proposed for the Liverpool Campus including a referral centre of some 335 beds. The South Western Sydney Area Health Service is committed to the co-ordination of Community Health services and Hospital services in order to provide a comprehensive service to its population which is expected to grow to 1 million by the year 2010.

Associated Teaching Hospital

The Bankstown Hospital

Eldridge Road, Bankstown 2200

Telephone 790 0444, Facsimile 708 1759

The Bankstown Hospital is a general, maternity and psychiatric hospital. The Hospital is situated in the City of Bankstown, in the Western Suburbs 22 km from the centre of Sydney. The Hospital was officially opened in 1957; since then, a constant program of growth and updating has kept the buildings modern. The latest addition is an intensive and coronary care unit, opened by the Premier in August 1980. The Hospital provides basic medical care of a high standard, primarily to the City of Bankstown which is a thriving community of about 156,000 people (catchment area 178,000).

The Hospital has a total of 349 beds, which includes a 9-bed intensive care unit, 6-bed coronary care unit, 51-bed obstetrics unit, 26-bed paediatric unit with a neonatal paediatric intensive care nursery and a modern 40-bed psychiatric unit. It employs 105 salaried and visiting medical staff and 43 resident medical staff.

The Hospital provides patient care in the areas of medicine, surgery, obstetrics and gynaecology, psychiatry and paediatrics. It has one of the busiest casualty units in Sydney.

The Hospital is intimately involved in the development and coordination of community health services in the City of Bankstown. A "Day Hospital" is in operation as part of a hospital-based community health program.

The Illawarra Area Health Service

Telephone (042) 75 5111, Facsimile (042) 76 1447

The Illawarra Area Health Service covers an area immediately to the south of the Sydney Metropolitan Area, and comprises the Local Government Areas of Wollongong, Shellharbour, Kiama and Shoalhaven. The area as a whole had an estimated

resident population of 300,600 at June 1986, making up 5.26% of the population of New South Wales.

The area is diverse in character, has a coastal plain 242 kilometres in length and is bounded by an escarpment. The break between the coast and the tablelands is abrupt, with the escarpment providing a constraint to east-west movement. The coastal plain contains the highly urbanised and industrial areas of Wollongong and Port Kembla, which contrast strongly with the largely rural areas of the South Coast.

In August 1989 the Area Health Service signed an agreement with The University of New South Wales for the Health Service to become an Associated Teaching Campus of The University.

Associated Teaching Hospitals

The Wollongong Hospital

The Wollongong Hospital is the major referral Hospital for the Illawarra and South Coast.

The Hospital, which has 292 beds, provides accident and emergency, specialist medical and surgical, including a specialist vascular surgery unit for further development in 1991, intensive care, major diagnostic services, psychiatry, obstetrics and paediatric services for patients referred from throughout the Illawarra. By 1994 the Wollongong Hospital redevelopment will be completed at a total cost of $83 million. Improved diagnostic facilities and a comprehensive cancer care centre will be included in the development.

Shellharbour Hospital

The Shellharbour Hospital, with 124 beds, (5 of which are High Dependency), works in close co-operation with the Kiama Hospital in providing services to the surrounding district.

The Hospital provides accident and emergency, medical, surgical, psychiatric, obstetric and outpatient family and child health services. The G.P. Training Centre is also based at this Hospital.

Kiama District Hospital

The Hospital, which has 24 beds, provides slow stream medical, rehabilitation and Palliative Care Day Care Services.

Shoalhaven and District Memorial Hospital

Shoalhaven and District Memorial Hospital, which has 125 beds, is to be redeveloped as the major hospital for the Shoalhaven, providing accident and emergency, primary care, obstetrics, paediatrics, medical and surgical services.

Milton/Ulladulla Hospital

The Milton/Ulladulla Hospital is a 20 bed district hospital servicing the primary and emergency care needs of the southern sector of the Shoalhaven.

Port Kembla District Hospital

The Port Kembla District Hospital, which has 176 beds, provides district level services for the surrounding suburbs, including primary and emergency services with elective facio-maxillary surgery and medical and surgical services. It is also a specialist referral hospital in orthopaedics, acute rehabilitation and geriatric assessment for the Illawarra Region.

Bulli District Hospital

The Bulli District Hospital, which has 86 beds, is the community hospital for the northern suburbs of Wollongong, providing emergency care, medical, surgical with specialist ENT services, postnatal and palliative care services.

Coledale Hospital

The Coledale Hospital, which has 38 beds, is a Hospital specialising in geriatric care and rehabilitation.

David Berry Hospital

The David Berry Hospital is a 27 bed community hospital in Berry, near Nowra, providing slow stream medical and palliative care.

The Biomedical Library

The Biomedical Library provides library services for staff and students from the Faculties of Medicine and Biological and Behavioural Sciences, and from the Schools of Biological Technologies, Health Services Management and Fibre Science and Technology. It is closely associated with the libraries of the teaching hospitals of the University.

The Biomedical Library is located on levels 2, 3 and 4 of the Mathews Building Annex and is connected to the other Special Libraries via a link through the undergraduate collection.

Professional staff are available at the Reader Assistance Unit on Level 2 to provide reference services and to assist in the use of the online catalogue. Instructional classes in the use of the library and in specific subject material can be arranged through the Reader Assistance Unit.

Serials in the Biomedical Library are now shelved in alphabetical order by title and carry the prefix "MB". Details about Biomedical Library books, serials and audiovisual material can be found in the Library Catalogue, (OPAC).

The Biomedical Library offers the following facilities: computerised literature searches; a wide range of databases on CD-ROM; remote access to databases on CD-ROM throughout the campus; access to the Family Medicine Program (MCQ self assessment); interlibrary loans.

Biomedical Librarian — Monica Davis

The University of New South Wales Medical Society

The University of New South Wales Medical Society (Medsoc) is the representative body of the medical students of the University. Its primary function is to provide amenities and social stimulation for its members in order to promote a pride in and a sense of belonging to the Faculty. It also has the

function of initiating and maintaining communication between medical students and medical educators and administrators both within the University and outside. Membership is free and automatic to all medical students.

Among the social functions held annually are the first year welcome weekend various wine and cheese nights, harbour cruises, barbecues, hospital parties, the 'Med Ball' and the Anzac Day sports day. A newsletter and an annual magazine are produced to which students and staff are encouraged to submit written articles.

The Society maintains communication with all levels of Faculty through the President, Vice-President and Year representatives, while other Medsoc supported students hold positions in University government. These officers together with the Secretary, Treasurer, Shop Managers and other representatives, constitute the Society Executive which is elected annually.

The *Medsoc Shop* is an important service provided by the Society. Textbooks, white coats and diagnostic instruments may be bought cheaply. A Medsoc shop joining fee is payable. The shop is situated in Hut P at the Prince of Wales Hospital (telephone 399 2121). Hours of opening: Tues, Thurs 12-2pm, Wed 4-7pm.

All students are encouraged to participate in the Society's activities and to attend the Medsoc meetings which are held in the Bookshop monthly on Tuesdays of each month at 6:00 p.m.

All enquiries about the Society should be addressed to the Secretary of the Medical Society, c/- Medsoc Bookshop, Hut P, Prince of Wales Hospital, High Street, Randwick 2031.

Undergraduate Study

Selection into the Faculty of Medicine

Entry is competitive and applications are considered and assessed on academic merit. There is no provision for 'mature age entry' to Medicine.

There is a small intake quota for applicants who have partially completed tertiary studies. Such applicants are assessed on the basis of their tertiary results in conjunction with their original matriculation results. Emphasis is placed upon the tertiary results. Again, there is a small quota for applicants who have completed tertiary studies. Such applicants are assessed solely on the basis of their tertiary results. Competition is such that an outstanding level of academic achievement is required. Because of the integrated nature of the course it would be exceptional for admission to be granted to other than first year.

A penalty of 5% on the most recently obtained matriculation aggregate will be imposed on an applicant taking a matriculation examination for the third or subsequent time, or an applicant seeking entry on a matriculation result obtained after having been admitted to a tertiary institution and recorded a result.

Overseas Qualifications

Applications will also be considered from those who have qualifications obtained overseas, provided they have permanent residency status and are bona fide residents of Australia or can provide evidence that they have an acceptable reason (such as family reunion) for coming to live in Australia. Such applicants are also normally required to provide evidence that their qualifications would have gained them admission to a medical course in the country in which the qualifications were obtained. Again, competition is such that an outstanding level of academic achievement is required. Because of the integrated nature of the course it would be exceptional for admission to be granted to other than the first year.

Overseas Students

Applicants from overseas may only compete for entry to the medical course as either full-fee paying students or as holders of an "Equity and Merit" Scholarship (EMSS) awarded by the Australian Government. Enquiries regarding "full-fee" places should be directed either to the Director of International Programs or the Executive Officer, Faculty of Medicine, both at The University of New South Wales, P.O. Box 1, Kensington, NSW 2033, Australia. Enquiries regarding EMS Scholarships should be directed to the local Australian Diplomatic Mission.

Prerequisite Requirements

The most suitable Higher School Certificate studies (or equivalent) for those who wish to enter the Faculty would include 2 or more units of Mathematics, English and Chemistry. (The 2 Unit Mathematics subject, Mathematics in Society, is not suitable.)

To be eligible for selection into the Medicine Faculty, students must first obtain the required course prerequisite score in the HSC (or equivalent) Mathematics. There are also first year subject prerequisites of HSC (or equivalent) English and Chemistry. The following prerequisite requirements were current at the time of publication.

Course prerequisites

HSC Mathematics:.

2U(60-100)
3U(1-50)
4U(1-100)

Subject prerequisites

HSC English: Contemporary English (68-100)
2U(General)(53-100)
2U(49-100)
3U(1-50)

HSC Science: 2U(Chemistry)(67-100)
3U(90-150)
4U(1-50)

For applicants seeking selection solely on the basis of their aggregate HSC (or equivalent) score and who have the necessary aggregate mark, but do not meet a subject prerequisite an offer may be made conditional upon the student deferring acceptance for one year and undertaking prescribed studies to meet the prerequisites. All other applicants must meet both course and subject prerequisites before any offer can be made.

Prospective students are advised that while it is not an exclusive requirement, they should include Physics as well as Chemistry in their high school program as a knowledge of these disciplines is useful in the first years of the medical course. Students who have not included Physics in their high school program are strongly advised to undertake the short "bridging course" in Physics organised by the School of Physics at The University preferably before commencing enrolment in the medical course, or at least before commencing the second year of the normal medical course. There is also an assumed knowledge of basic organic chemistry. A knowledge of Biology is also desirable.

Admission of Aboriginal Students and Refugee Medical Practitioners

The Faculty may admit suitably qualified persons of Aboriginal descent outside any quota restrictions. A special scheme also exists for the admission of refugee medical practitioners. Further information regarding the Schemes may be obtained from the Faculty Office on (02) 697 2454.

Admission of Disadvantaged Students (ACCESS Scheme)

The Faculty may admit, within quota, a number of students of high academic potential whose education has been disadvantaged, over a two year period by circumstances beyond their control. Applicants must matriculate to the University and meet all Faculty course and subject prerequisites. Further information may be obtained from the Access Scheme Co-ordinator at the University on (02) 697 4381.

Application Procedures

Applications should be directed to the Universities Admissions Centre, Locked Bag 500, Lidcome, 2141, Telephone 646 3033. The closing date for application is generally 30 September of each year or up to the end of October on payment of a late fee.

3800
Medicine Course

5 year Undergraduate Course - MB BS
6 year Undergraduate Course - BSc(Med) MB BS

From 1974 to 1987 the Undergraduate Medical Course extended over 5 years of full-time study until, commencing with first year studies in 1988, the Faculty implemented a new six year curriculum. Both courses lead to the degrees of Bachelor of Medicine and Bachelor of Surgery (MB BS). This qualification was originally recognised in 1975 by the General Medical Council of the UK, and then by the newly formed Australian Medical Council in 1985.

These degrees (which are in effect a single degree) may be awarded with Honours Class 1; Honours Class II, Division I; Honours Class II, Division II or at Pass level. The award of honours is determined on the basis of a student's performance throughout the 5 or 6 year course, using the weighted average mark for each year which is obtained by weighting the subjects according to hours of teaching.

On completion of the 3rd year of the six year course, students also qualify for the degree of Bachelor of Science (Medicine). Students would not ordinarily be awarded the BSc(Med) until the completion of the requirements for the award of the MB BS. However, students who have completed requirements for the award of the BSc(Med) and are leaving the Medicine Course 3800 (MB BS) (either through their own decision to withdraw or upon exclusion by the University) are eligible to be awarded the BSc(Med) degree at that stage.

Students who have achieved a high standard in their studies may undertake an additional one year program of supervised research leading to the award of the BSc (Med) with Honours. [For details see the course description for 3830].

Objectives of the Medicine Course

The objectives of the Medicine Course are:

1. To produce a graduate with a knowledge of medical and behavioural sciences sufficient to understand the scientific basis of medicine and to go forward with medicine as it develops further.

2. To provide a graduate with the flexibility of outlook and training necessary to progress to any field of endeavour in medicine or related disciplines.

3. To provide education in clinical methods and patient care in the main branches of medicine and surgery so that the graduate could undertake patient care under supervision at the level of an intern.

4. To help the graduate understand professional and ethical principles and to be at all times mindful of the individual's obligations to patients, colleagues and the community.

Supplementary Assessment

Details of assessment requirements are contained in the sections on particular years and subjects in the course. The following regulations relate to supplementary assessment regulations which apply to all years of the Medicine Course.

Subject examiners may, in the time between the sitting of the November/December assessments and the meeting of the

Assessment Committee, require students to present themselves for further assessment to resolve any doubts as to a student's performance.

In Year 5, subject examiners may, in the time between the sitting of term assessments and the meeting of the Assessment Committee (normally Thursday of the term recess), require students to undertake further assessment. **Students are warned that they may be required to undertake such additional assessment and should take this into account when making travel arrangements for the elective term.**

Further assessment may be given to allow the Assessment Committee to resolve a doubt. (In Years 1 to 4 such assessment is usually undertaken in the second week of the following January.)

Further assessment may be given when students, through illness or some other acceptable circumstances, have been prevented from taking one or more of the assessments or have been disadvantaged during the assessment.

Further assessment will not be granted when the composite mark accurately reflects failure to achieve the required standard of knowledge and understanding of the subject.

Course Details

1991 sees the fourth intake into the six year curriculum. The following year descriptions relate to Years 1, 2, 3, 4, 5 and 6 of the six year curriculum and Year 5 of the previous five year curriculum.

Year 1 (Six Year Curriculum)

This year is conducted in two academic sessions and consists of four subjects plus two General Education electives, as shown in the table below.

		Hours per week	
		S1	S2
ANAT1006	Anatomy 1	5	7
MFAC1001	Introductory Clinical and Behavioural Studies	3	5
PHPH1004	Biology for Medical Students	4	0
BIOC1319	Biochemistry for Medical Students	6	6
	General Education electives	4	4
		22	22

Assessment

Biology is only taught in Session 1 with a final assessment at the end of that session. The other three subjects extend over both sessions and incorporate a final assessment at the end of Session 2. Assessments also take place at the end of Session 1 but do not constitute a barrier to progression to Session 2.

Students who do particulary poorly in the mid-year assessments will be interviewed by the Dean or Executive Officer and an appropriate member of the academic staff before proceeding. Such students may discontinue without failure at that time.

Students with poor performance in the Session 1 assessments and/or who suspect that they have performed poorly in the Session 2 assessments should contact the appropriate subject authority as soon as possible after the examination period.

Rules of Progression

Students who have passed all subjects in Year 1 may progress to Year 2. General Education subjects or their equivalent may be carried to Year 2.

Students repeating the year are required to enrol in all subjects in Year 1, other than any General Education subject(s) passed.

Student Photographs and Identification Badges

Each student is required to be photographed during the first session. These photographs are required for school and Faculty purposes and are also used to produce identification badges which must be worn in the hospitals.

Immunisation for Medical Students

During the course, the Faculty requires that all medical students be immunised against tuberculosis, hepatitis B and rubella. The Faculty, with the assistance of the Teaching Hospitals, arranges for students to have both the tuberculin test and the hepatitis B test. Students are required to organise with their General Practitioner, prior to the completion of fourth year, immunisation against rubella.

In addition to the tuberculin, hepatitis B and rubella tests, the Faculty strongly recommends immunisation against measles and mumps. Although medical students are not considered to be at a greater risk than any other member of the community, it is considered an important health care measure that they obtain immunisation against these illnesses.

If you have any reason to suspect that you are at risk of having, or have, an immune deficiency, you should seek the advice of an immunologist before receiving a live vaccine.

Allocation to Hospitals in Year 2

During Session 2, Year 1 students are asked to list their preferences regarding allocation to teaching hospitals. The allocation is made after the Year 1 examinations and student representatives are involved in the allocation procedure.

Year 1 Subject Descriptions

For further information regarding these subjects contact the subject authorities.

ANAT1006 Anatomy 1

Objectives: to acquire sufficient knowledge of topographical, surface and radiological anatomy of the limbs, head, neck and back to form a basis for subsequent clinical studies; to understand how a knowledge of anatomy is applied in clinical practice; to know sufficient principles of tissue histology to be able to undertake successfully more detailed studies of histology and embryology in Year 2.

An introductory subject in human anatomy, embracing the disciplines of gross anatomy (topographical anatomy), histology, and embryology. Teaching hours include one 3-hour practical/tutorial class per week, with an additional 2-hour class per week in Session 2 only; together with 1-2 hours per week of lectures.

Gross anatomy of the musculoskeletal system; topographical and radiological anatomy of the upper and lower limbs, head and neck, and back; introduction to microscopy and cell science; morphological aspects of cell function; histology of basic tissues (epithelia, muscle, nerve and connective tissue); early embryology, from conception to the formation of germ layers and coelom.

Assessment: There is a mid-year assessment which contributes to the final assessment for the subject but does not constitute a barrier.

MFAC1001 Introductory Clinical and Behavioural Studies

Objectives: to enable students to gain a better understanding of themselves and other people as a basis for their respect and considerate treatment of patients in the practice of medicine; to develop interviewing skills; to gain experience in and understanding of the group process; to provide an understanding of development from childhood through adolescence and adulthood to old age, and understand the problems of people from various age groups; to develop in the student an awareness of the different family, socio-economic and ethnic backgrounds of people in Australian society and of the relevance of these backgrounds to the physical and emotional states of their patients.

Students attend a three hour tutorial each week in Sessions 1 and 2 and a two hour lecture/demonstration in Session 2 only. The tutorials cover communication skills and group dynamics (taught by participatory exercises) and students take the initiative in preparing and presenting group projects. Session 2 lecture topics include: the meaning of health and illness; development throughout the life cycle (childhood, adolescence, adulthood and old age); the particular problems of disadvantaged cultural groups (such as Aborigines and recent migrants). The lectures are supported by relevant films and by community visits, activities and discussions within the tutorial groups.

Assessment: Two major assignments during the year assess communication skills and the ability to take a broad social-psychological history. Students identified as having English language difficulties may be required to complete an additional remedial English course. Participation in tutorials and a group project is assessed and there is an examination at the end of Session 2. There is no mid year assessment.

PHPH1004 Biology for Medical Students

Objectives: to provide an understanding of basic biological principles for the continuing study of human biology and medicine.

An introductory course consisting mainly of lectures which will be complemented by practical classes and excursions. Topics include: basic cell biology and introductory genetics; classification and diversity of invertebrates and vertebrates, leading to an understanding of man's relation to other animals; an introduction to parasites and their biology; principles of ecology and evolution; introduction to comparative physiology.

Assessment: Assessment is based on an examination at the end of Session 1; and some continuous assessment during the session.

BIOC1319 Biochemistry for Medical Students

Objectives: to obtain sufficient understanding of chemistry and biochemistry to recognize the essentially molecular basis of all living systems; to acquire a knowledge of chemistry and biochemistry essential for the study of physiology and pharmacology; to gain experience in laboratory skills and the use of the scientific method; to understand the structure, function and biosynthesis of the macromolecules that are indispensable to life; to gain insight into the ways in which the body uses metabolic fuels and the regulation of these metabolic processes so that growth and homeostasis are maintained; to understand the basis of practical biochemistry, including those procedures that are relevant to clinical diagnosis.

Classification of matter and theories of the structure of matter. Chemical bonding, molecular structure and chemical behaviour. Equilibrium and change in chemical systems. Introduction to colloidal systems. Structure and reactions of organic compounds relevant to biological systems.

Introduction to the biochemistry of macromolecules. Bioenergetics and enzyme catalysis. A survey of the principal metabolic pathways, their functions, interrelationships, and regulation. Introductory endocrinology and whole body metabolism.

Assessment: In addition to both a mid and end of year examination, there is continuous assessment throughout the year.

Year 2 (Six Year Curriculum)

This year is conducted in two academic sessions. Teaching in the subjects Anatomy 2, Medical Biochemistry and Genetics, and Physiology is integrated and aims to give students a broad knowledge and understanding of human structure and function based on scientific principles, relevant to further study in medicine. In Clinical Studies 2, students make contact with patients and the physical aspects of disease, in order that they may apply their knowledge and

understanding to the clinical situation. The strand dealing with human behaviour is continued.

		Hours per week S1	S2
BIOC2329	Medical Biochemistry and Genetics	4.5	4.5
ANAT2007	Anatomy 2	7	7
PHPH2018	Medical Physiology 1	8	8
MDSG2001	Clinical Studies 2	2	2
PSCY2101	Human Behaviour	3	3
		24.5	24.5

Assessment

Major assessments take place in the November/December assessment period but progressive assessments may take place throughout the year. Details of progressive assessments are provided by the appropriate subject authority.

Rules of Progression

A student enrolled in the second year of the Medicine Course who fails in any subject of that year, other than General Education subjects, shall be required to repeat the year, provided there is no conflict with the rules for re-enrolment. (A subject is one carrying a distinctive subject number.)

Year 2 Subject Descriptions

For further information regarding these subjects contact the subject authorities.

BIOC2329 Medical Biochemistry and Genetics

Objectives: To acquire knowledge of biochemical aspects of the functions and control mechanisms of the major body systems in humans; to understand the regulation of the adaptive responses of body function to different forms of stress; to understand those biochemical processes which are of particular relevance to clinical practice and a study of pharmacology; to gain experience in problem-solving approaches to the biochemical aspects of normal and disease states; to introduce students to those aspects of modern molecular biology relevant to humans: to provide a basis for the study of human genetics.

Lectures, audio-visual and clinical demonstrations deal with endocrine systems, lipid metabolism, connective tissue, neurochemistry; purine, pyrimidine and nucleic acid metabolism, recombinant DNA procedures, gene probes, pedigree analysis, inborn errors of metabolism, X- and Y-linked inheritance, human cytogenetics. Clinical material illustrates the principles being studied and underlines the relevance of the course to the study of medicine.

ANAT2007 Anatomy 2

Objectives: To gain knowledge and understanding of the gross and microscopical structure of the internal organs and the brain; to be able to correlate embryonic development with the structure of normal organs and tissues and with the establishment of the anatomical relationships in the body; to correlate function and structure in the organ systems; to acquire basic understanding of the clinical relevance of the anatomical structures studied.

Instruction is organised according to the organ systems and includes the cardiovascular, respiratory, alimentary, urinary, genital, endocrine, lymphatic and nervous systems. In all instances the clinical relevance of the anatomical structures is emphasised. The course consists of four subcourses, each having separate lectures and tutorials: Gross Anatomy, Histology, Embryology, and Neuroanatomy. Gross Anatomy and Histology are taught in Session 1, Neuroanatomy and Embryology are in Session 2. Neuroanatomy gives a description of the organisation and function of the brain and spinal cord with particular reference being made to the sensory and motor systems.

Assessment: Apart from continuous assessment tests and practical examinations there are separate examination papers for Histology (S1), Embryology (S2), Gross Anatomy (SI) and Neuroanatomy (S2). At the end of Sessions 1 and 2 there is a viva voce examination in Histology and in Embryology respectively.

PHPH2018 Medical Physiology 1

Objectives: To gain knowledge and understanding of the function of the cellular elements of the body and the function of the major body organ systems in humans, to gain experience in the use of medical instrumentation and in the measurement of variables in mammalian biological systems; to gain experience in problem-solving approaches in the study of the physiology of the normal person; to integrate knowledge of anatomy, biochemistry and physiology to provide an understanding of human structure and function.

Systematic lectures, tutorials, practicals and demonstrations deal with excitable tissues, blood, circulation, respiration, kidney and body fluids, gastro-intestinal tract and metabolism. Attention is paid to the principles of physics necessary to understand the functioning of cells and organ systems. Clinical material illustrates the relevance of the course to the study of medicine.

Assessment: Examinations are held mid-year and at the end of the year and include both lecture and practical content.

MDSG2001 Clinical Studies 2

Objectives: To extend knowledge and understanding of normal structure and function by demonstrating the disturbances which occur in disease; to demonstrate how symptoms and signs can be interpreted as disorders of structure and function and how this knowledge aids in the process of diagnosis; to provide an introduction to clinical medicine and medical terminology.

Closely integrated with Anatomy, Physiology and Biochemistry, illustrating the application of basic medical science to the clinical situation. Students are introduced to clinical medicine in the principal teaching hospitals and learn to understand the structure and function underlying certain clinical problems. Students begin to learn how to take medical histories, perform physical examinations, detect abnormalities and communicate with patients so that they can assess patients clinically and as individuals within society.

PSCY2101 Human Behaviour

Objectives: To provide students with information concerning the determinants of human behaviour and demonstrate the relevance of this information to medical practice; to provide students with an understanding of the interactive nature of the genetic and environmental determinants of human behaviour; to produce a student with sufficient knowledge of research methodology to critically evaluate data.

Taught in both sessions. Instruction is given in first session in the research techniques, theoretical concepts and basic findings of the behavioural sciences, especially as these relate to medicine. Special emphasis is placed on the development of skills for the critical evaluation of scientific data concerning human behaviour and the oral and written expression of such evaluations. In second session critical attention is given to ethical and social issues as they arise in medical practice.

Topics include: scientific methods in the behavioural sciences; psychological and medical models; biological substrates of behaviour; the relevance of psychological functions to doctor-patient perception, compliance, pain perception and behaviour modification; the psychology and physiology of stress; relationship of stress to physical and psychological disorders; applications in behavioural medicine, sexuality, dying and death.

Year 3 (Six Year Curriculum)

Year 3 is conducted in two academic sessions. The principal subjects of the year are Medical Pharmacology, Medical Physiology, Microbiology for Medical Students and Pathology. Clinical Studies 3 continues the clinical program commenced in first year. Students also take the subject Medical Ethics (Historical Development), which builds on material presented in first year ICBS and second year Human Behaviour.

An understanding of Immunology is also required to enable students to deal with pathogenesis of specific diseases. To facilitate this understanding, a series of introductory lectures in Immunology provide an outline of the structure and function of the immune system - covering the cells and mediators involved in the immune response. The Immunology program is integrated with the Microbiology course on the response to infectious diseases, and with the Pathology course and is presented in an interdisciplinary fashion, providing a basis for subsequent instruction in the diagnostic and therapeutic aspects of clinical immunology in the later years of the curriculum.

		Hours per Week	
		S1	S2
MICR3228	Microbiology for Medical Students	4	4
PATH3101	Pathology	5	5
PHPH3014	Medical Physiology 2	4	4
PHPH3055	Medical Pharmacology	4.5	4.5
MFAC3001	Medical Ethics (Historical Development)	1.5	-
MDSG3001	Clinical Studies 3	4	4
		23	21.5

Assessment

In addition to the end of year assessment, mid-year progress assessments are programmed in some subjects.

Rules of Progression

A student enrolled in Year 3 of the Medicine Course who fails in any subject of that year shall be required to repeat the year provided that the rules for restriction upon students re-enrolling are not infringed by doing so.

Year 3 Subject Descriptions

For further information regarding these subjects contact the subject authorities.

MICR3228 Microbiology for Medical Students

Objectives: The overall objective is for students to understand the fundamental nature of the interactions between parasites and their human hosts. In order to achieve this, students will be required to know the causative agents of common microbial diseases and how they produce their effects, comprehend host defence processes, understand the epidemiology of infectious diseases, understand the basis of prevention and treatment of microbial diseases, appreciate the role of the microbiologist in the diagnosis and management of microbial diseases and where appropriate, integrate these objectives with a knowledge of pathology and immunology.

Early lectures and tutorials are concerned with the basics of the scientific discipline of microbiology by consideration of the structure, growth, physiological activity and genetic characteristics of bacteria, viruses, fungi and protozoa. Consideration is given to the nature of their responses to various physical, chemical and antibiotic agents which can be used to interrupt their normal function. An analytical approach is taken to the means by which these microorganisms exist in association with humans and their environment and how they gain access to tissues and produce disease. Attention is given to the mechanisms of host defence against microbial infection. Emphasis throughout the course is placed on diseases of body systems. Laboratory based classes emphasise the role of the laboratory in diagnosis and include the use of problem solving approaches to the study of microbial diseases.

Assessment: This is based on midyear and final examinations as well as a component of continuous assessment by designated assignments.

PATH3101 Pathology

The discipline of Pathology forms a continuous stream of teaching of the pathogenesis of disease throughout the 3rd, 4th and 5th years of the Medical curriculum. In Year 3, the subject 72.211 comprises an introduction to the basic disease processes (General Pathology), ie. those fundamental processes which are common to all tissues and organs of the body. The course covers classification of disease, and deals with both congenital and acquired diseases. The program comprises lectures, tutorials, practical classes and demonstrations on responses of cells to injury, inflammation, aberrations of the blood and vascular system and specific related effects of embolism and infarction, as well as studies of normal and abnormal growth, and of healing and regenerative processes. In addition, it includes consideration

of the basic processes of neoplasia and carcinogenesis, as well as an introduction to the pathobiology of such contemporary health problems as environmental toxicology, ageing and drug abuse. In order to integrate the teaching of pathology with clinical studies, each fundamental process will be exemplified by references to examples of diseases of organ systems (Systemic Pathology) of practical importance.

The principles of immunopathology will be provided in an integrated program provided jointly by staff of Microbiology, Pathology and Medicine.

Assessment: Proficiency in the subject, sufficient to proceed to Year 4, will be assessed by midyear and final examinations which will comprise 20% and 80% respectively of the total mark in Pathology. Both assessments will comprise theory and practical components. The midyear assessment will also include a small percentage of marks acquired in progressive assessments.

PHPH3014 Medical Physiology 2

Objectives: To extend knowledge of normal physiology to areas not covered in Medical Physiology I, particularly the nervous and endocrine systems and reproduction; problem solving approaches are emphasised and students are encouraged to integrate their knowledge of anatomy, biochemistry and physiology to provide an understanding of normal human structure and function. Those principles of biophysics necessary for an understanding of the course are discussed. In addition, the course places emphasis on applied physiology, including the physiology of exercise and particularly on clinical physiology, where basic physiological principles are applied to the understanding of selected clinical disorders.

Teaching involves systematic lectures, tutorials, practical classes and demonstrations.

Assessment: Examinations are held both midyear and at the end of the year and cover both lecture and practical content.

PHPH3055 Medical Pharmacology

Objectives: To understand the mechanism of drug action with special reference to drugs of clinical importance; to be aware of the principles of drug interaction.

Medical pharmacology is the science of drugs or chemicals used to prevent, diagnose and heal disease, as well as the role of chemicals in the environment that cause disease. The medical pharmacology course is concerned with basic principles of drug action, including mechanisms of drug action, toxicology and drugs of clinical importance. Principles of drug action in animals and humans are examined.

Assessment: Examinations are held midyear and at the end of the year and include both lecture and practical content.

MFAC3001 Medical Ethics (Historical Development)

This subject builds on the material relating to medical ethics presented in the first year Introductory Clinical and Behavioural Studies and second year Human Behaviour subjects, to give students additional preparation for the clinically-based discussion of ethical issues in years four to six. The lectures will use episodes from the history of medicine to focus on ethical questions pertinent to contemporary medical practice.

The subject is not intended to promote an ethical "doctrine" but to allow students to become more aware of the bases for their own ethical judgements and those of others both within and outside the medical profession. In moving from the historical dimensions of an ethical problem to its contemporary setting, students become better able to distinguish between the universal ethical concerns associated with medicine throughout its historical development and the particular responses which have been made to those concerns in different social and cultural contexts. In addition, the historical approach to medical ethics has the value of further acquainting medical students with the cultural traditions of their own profession.

MDSG3001 Clinical Studies 3

Clinical Studies 3 forms an important component of the continuum of clinical studies. It is preceded by a basic introduction to concepts in Year 2 (Clinical Studies 2) and leads sequentially into Integrated Clinical Studies in Year 4.

Objectives: In the course of studies in Clinical Studies 3, which comprises lectures, tutorials, demonstrations and close patient contact, students are expected to acquire and practice the skills of history taking and physical examination in order to elicit the features of presentation of common diseases. Interpretation of the mechanisms of production of the presenting signs and symptoms requires the integration of clinical skills with basic (anatomical and physiological) sciences introduced in Year 2, as well as integration with parallel studies of Paraclinical Science, Pathology and Microbiology. Students are expected to develop and manifest empathy with their patients and although knowledge of diagnostic and therapeutic procedures is not required by the end of Year 3, nevertheless it is anticipated that general interest in the well being of patients will stimulate student to take increasing interest in these areas of clinical skills in preparation for more advanced studies in Year 4.

Assessment: Ability to take and record patients' history and perform a limited physical examination will be progressively assessed throughout the year by individual tutors who will record each successful milestone achieved in a log book. Six histories will be submitted by each student in the latter part of the year which will be formally assessed by tutors.

A written examination will be held at the end of Year 3 comprising short answer questions based on lecture material pertaining to mechanisms underlying clinical signs and symptoms.

Year 4 (Six Year Curriculum)

Year 4 of the course is essentially based in the teaching hospitals and comprises 6 terms totalling 41 weeks. Of these weeks, 36 will be spent in the Hospital and 5 will be spent on campus. For the majority of the year, students will work as part of a health-care delivery team. The students' responsibilities as part of that team will be increased gradually as new skills are acquired. The philosophy inherent in education by attachment to a hospital team is important. Learning "on the job" exposes students to real clinical situations incorporating both the medical and social implications of disease and allows the continued development of counselling skills. Thus, students will learn that hospital

care should be linked to continuing care in the community, and that there is much emphasis in modern medicine on rehabilitation to maximise a patient's chances of resuming their normal role in society. Reading about pathological processes, combined with team discussion of problem patients, provides the ideal environment for the retention of new knowledge.

The teaching of Community Medicine will be integrated with clinical studies in the teaching hospitals and will be part of the campus teaching program.

The Pathology course will comprise a component of didactic teaching within the framework of the common campus program and a major hospital-based component taught through a tutorial program.

The subject of Clinical Pharmacology (Therapeutics) will be introduced during the common campus program and reinforced during discussions of patient management as part of student attachments to clinical units.

At the commencement of fourth year, each student will receive a syllabus containing details of the integrated program for Clinical Studies, Pathology, Clinical Pharmacology and Community Medicine.

Assessment

A multiple choice examination and a short paper will be given at the end of the year and will examine Medicine, Surgery, Introductory Therapeutics and Pathology. (Examinable material will be that given in lectures, ward tutorials, and prescribed reading). Assessment of Community Medicine will be continuous by assignments through the year, including the student's participation and contribution to group work. There will be a final short answer examination paper in Community Medicine. In addition to the written papers, clinical examinations will be held. These will consist of independent examinations, one of which will require students to take, present, and discuss a patient's history and the results of a complete physical examination. Another will feature student analysis of a designated and limited problem. Patients with both medical and surgical problems may be assessed. There will be an integrated Pathology viva voce examination based on macroscopic specimens.

Rules of Progression

For a student to be eligible to sit for the written examinations to be held at the end of 4th Year, they must have performed satisfactorily on each of their six clinical attachments, developed the required procedural and clinical skills (satisfactory performance in these areas must be certified in a student logbook) and successfully completed the requirements in Community Medicine.

To proceed to 5th Year, students will be required to pass all four Clinical Studies sections of the 4th Year examination, as well as the Community Medicine and the Pathology components.

Students who have not completed the General Education components of the Medicine Course and who otherwise are eligible to progress to Year 5 are not allowed to progress until they have satisfied such requirements.

Year 4 Subject Description

MDSG4001 Integrated Clinical and Community Studies

Objectives: By the end of 4th Year, students will be expected to have mastered the skills in communication, history taking, and physical examination. Students will be able to generate a list of the patient's problems which includes the physical, emotional and psychosocial aspects of the case. For each problem, students will develop a plan for problem resolution. Students will learn much about management and drug treatment during the 4th Year but only introductory aspects of therapeutics will be assessed at the end of the 4th Year. Students will be expected to interpret symptoms and signs in terms of disorders of structure and function; to understand the pathological basis of symptoms and signs; to know what special investigations are appropriate for the investigation of a problem and how to interpret the results, and to understand the social and preventative aspects of disease.

Community Medicine will be taught primarily during the common campus weeks and will include case studies, lectures and tutorials on changing patterns of disease, prevention, epidemiology, nutrition and a range of other community health problems. Case studies based on clinical cases from students' hospital attachments will be used to explore core issues in community medicine. This will demonstrate the application of community medicine principles covered in lectures and tutorials and will also reinforce links with other teaching in fourth year. At Liverpool Hospital, community medicine teaching will make use of the special relationship of this hospital to the community it serves.

Systematic pathology will be taught at all hospitals throughout the year and will be integrated with clinical teaching. The program includes one tutorial per week based on prepared clinical protocols (case presentations) which will explore the pathogenesis of those systematic diseases which were not covered in the context of the Year III teaching in Pathology, or which require greater depth of coverage. Students will be required to prepare and expand on the topics listed, by reference to their own ward cases, by consultation with staff of the various departments in Pathology, as well as by reference to their recommended textbooks and specialised text or journal articles. Each student will be expected to attend a minimum number of autopsy demonstrations during the year. Additional exposure to Pathology will be attained by student attendance at Grand Rounds and Clinico-Pathological Conferences.

Campus Weeks: To minimise interruptions to a student's role while attached to a clinical team, most structured teaching will be carried out during campus weeks. All students will attend the University campus for five weeks throughout the year, during which lectures in medicine, surgery, clinical pharmacology, pathology, and community medicine will be provided.

Community Medicine teaching will utilise the knowledge and experience gained during clinical attachments to elucidate basic principles of epidemiology, public health, and continuing care.

The Pathology lectures and demonstrations will concentrate on the pathogenesis of complex disease processes which cannot be effectively covered in a tutorial format. An excursion to the NSW State Government Forensic Laboratory and Coronial Courts is a compulsory activity. Where possible,

days will be arranged so that a particular subject is approached in a multi-disciplinary way.

A series of correlation clinics, held throughout the year during campus weeks, will further emphasise the interdisciplinary approach to understanding a subject.

Clinical Attachments: When not attending for campus weeks, students will be assigned to a specific hospital team for a term. There will be six terms and all students will spend one of these at Liverpool Hospital. The Liverpool program will focus on general medicine and surgery and will include Community Medicine and Pathology. Program details may vary slightly at each of the main teaching hospitals responsible for the implementation of this program. Each hospital has a Clinical School Committee and a Board of Medical Studies, the latter including student membership, to oversee the Hospital's programs.

While students will necessarily be assigned to subspecialty units (e.g. cardiology, neurology, etc.), the attachment is not designed primarily to teach the student the details of that discipline, but rather, the approach to a patient's problems and their resolution is to be emphasised. This is an important consideration because, as subdiscipline exposure in 4th Year cannot be uniform for all students, it is important that students are distributed to fully utilise the hospital's patients and ensure that they have sufficient contact with patients.

Structured teaching during clinical weeks will be limited. There will be regular sessions each week which will feature a discussion, with a member of the Faculty, of problem patients on the student's ward. Pathology tutorials will be held each week, and the one medical and one surgical lecture may be provided. The following skills are to be acquired during the 4th Year of the course and the acquisition of such skills will be noted in the student's logbook after an appropriate examination: intramuscular injection; use of ophthalmoscope; sterile technique; operating theatre procedures; simple suture and knot-tying; application of a plaster; changing of a surgical dressing; passage of a proctoscope; passage of a naso-gastric tube; spirometry; establishment and maintenance of an intravenous line; venesection; cardiopulmonary resuscitation; rectal examination; urinalysis; urinary catheterisation, ECGs and taking of blood pressure.

Year 5 (Five Year Curriculum)

Year 5 is comprised of five terms, each of eight weeks. In Terms 5.1 to 5.4 students rotate through blocks of teaching in obstetrics and gynaecology, paediatrics, psychiatry, geriatrics, general practice and emergency, rather than studying the subjects concomitantly. For this purpose students are allocated to a particular group ! Group A, B,C or D ! and follow the program of that group for the first four terms. Work is assessed during or towards the end of each term.

Term 5.5 is usually an Elective term but may be a prescribed program in the case of a student who has failed to satisfy the examiners in one of Terms 5.1 to 5.4.

All students in Year 5 are enrolled in subject MDSG5003 Final Clinical Examinations (Terminal Assessment) and are required to sit for an examination at the conclusion of Term 5.5 unless exempted on results obtained during Year 5 and on overall performance in the Medicine Course.

The subjects studied in Year 5 are:

OBST5001	Obstetrics and Gynaecology
PAED5101	Paediatrics
PSCY5001	Psychiatry
MDSG5003	Final Clinical Examinations
MFAC5002	Elective
MFAC5001	Geriatrics/General Practice/Emergency

Sequence of Blocks

Group	A	B	C	D
Term 5.1 (8 weeks)	Geriatrics/ General Practice/ Emergency	Paediatrics	Psychiatry	Obstetrics & Gynaecology
Term 5.2 (8 weeks)	Paediatrics	Psychiatry	Obstetrics & Gynae-cology	Geriatrics/ General Practice/ Emergency
Term 5.3 (8 weeks)	Psychiatry	Obstetrics & Gynaecology	Geriatrics/ General Practice/ Emergency	Paediatrics
Term 5.4 (8 weeks)	Obstetrics & Gynaecology	Geriatrics/ General Practice/ Emergency	Paediatrics	Psychiatry
Term 5.5 (8 weeks)	Elective	Elective	Elective	Elective

Assessment and Rules of Progression

The work of each rotating block is assessed during or towards the end of the block. Information concerning assessment in the Geriatrics/General Practice/Emergency block may be obtained from the Faculty Office.

Students who fail in any one of these assessments are required to repeat the subject in term 5.5, thereby foregoing the right to undertake an elective term. Students are required to obtain a satisfactory level of competence in the work of the repeat term. Students who fail more than one block are required to repeat the year.

Students who have obtained a credit level of performance in the clinical component of the MDSG4001 Integrated Clinical Studies assessments in Year 4 and who satisfy the assessors in each block from 5.1 to 5.4 are required to arrange a personal program of work for term 5.5 in any department or school within the Faculty, at any hospital or medical institution elsewhere, or with any medical practitioner, provided that details of the elective term are submitted in writing and approved by the Dean by the end of June.

Students who have not obtained a credit level of performance in the clinical component of the MDSG4001 Integrated Clinical Studies assessments must undertake an elective program in

an approved area of Medicine and/or Surgery, and must submit details of the term in writing for approval by the Dean by the end of June. Details of the types of attachments which are approved are available from the Faculty Office.

For information about terminal assessment provisions affecting term 5.5 see below under the heading **Remedial Term 5.5 and Final Clinical Examinations.**

Before the commencement of Term 5.5 the Assessment Committee will review the performance of each student over the five years of the Medicine Course to ensure that the student prior to graduation has reached an acceptable level of competence. As a result of this review, and subject to a satisfactory assessment in the Elective Term, the Committee may exempt certain students from the requirement to undertake a terminal assessment at the end of Term 5.5.

Terminal Assessment

The following students are required to undertake the terminal assessment:

1. students who were given further assessment in the clinical component, MDSG4001 Integrated Clinical Studies;

2. students repeating the fifth year;

3. students who fail any one term during the fifth year;

4. students whose marks fall within the range 50-54 in MDSG4001 Integrated Clinical Studies in the Year 4 assessment and also in one rotating term in Year 5;

5. students whose marks fall within the range 50-54 in any two of the four rotating terms;

6. students granted leave at the end of Year 4 (other than students undertaking the Bachelor of Medical Science course at the end of this year - see BMedSc degree course outline) or who discontinue without failure in Year 5.

Students whose marks fall within the range 50-54 in MDSG4001 Integrated Clinical Studies in the Year 4 assessment will be considered for the terminal assessment. Such students may be exempted if they obtain a mark of 55 or more in each of the rotating terms.

Students who have obtained a mark of 55 or more in MDSG4001 Integrated Clinical Studies in the Year 4 assessment and whose marks fall within the range 50-54 in any one term in Year 5, but who are not required to repeat the term, will also be considered for the terminal assessment. Such students may be exempted subject to satisfactory performance in other subjects during the year.

The unofficial results for students in this category are released as 'PS; under consideration for the terminal assessment'.

Remedial Term 5.5 and Final Clinical Examinations

Students who are under consideration for the Terminal Assessment are required to undertake the Elective Term 5.5 in Medicine and Surgery under supervision in a hospital approved by the Schools of Medicine and Surgery, unless already required to repeat a term by virtue of having failed a term in Year 5. Any prior approval for an Elective Term will be withdrawn if a student is placed under consideration for the terminal assessment or is required to complete a remedial term.

Eligibility for Elective Term 5.5

Students who have satisfied the Assessment Committee at the end of each block from Term 5.1 to 5.4 and who are not to undertake the terminal assessment (MDSG5003 Final Clinical Examinations), are required to arrange a personal elective program of work for Term 5.5.

The following are not eligible to undertake the Elective Term:

1. Any student who has failed a term in Year 5.

2. Any student who was awarded supplementary clinical assessment in MDSG4001 Integrated Clinical Studies.

3. Any student who is under consideration for the terminal assessment. (Students are notified at the end of each term if they are at that stage under consideration for the terminal assessment.)

4. All students who are required to undertake the terminal assessment.

The Dean's approval of the program must be obtained by the end of June. A proposal to undertake an Elective term overseas or interstate will not be approved after this time.

Year 5 Subject Descriptions

OBST5001 Obstetrics and Gynaecology

Objectives: To be able to take a history and perform a physical examination relevant to the female reproductive system; to recognize common disorders of the female reproductive system; to manage common medical gynaecological disorders likely to be primary care practice; to provide antenatal and postnatal care for a normal woman and to recognize deviations from normal; to be able to provide emergency care when indicated and to know the indications for referral.

A program of lectures in core subjects, clinical, physiological and pathological conferences and simulated patient management problem exercises. Students are taught in small tutorial groups. Supervised clinical experience is gained in outpatient clinics, in-patient services and the labour wards of The Royal Hospital for Women, St. George, Bankstown, St. Margarets, Liverpool, Wollongong and other selected hospitals. Neonatal paediatric experience is integrated with the teaching of Obstetrics and Gynaecology. Full details are described in a booklet published by the school.

Assessment: Continuing evaluation of clinical work and in week eight, a final oral and written examination.

PAED5101 Paediatrics

Objectives: To understand the physical, emotional and intellectual development of normal children; to recognize the interactions between the child, the family and the community; to recognize when a child is acutely ill; to know how to provide acute primary care for a sick child; to recognize major medical problems in the newborn infants; to understand primary and secondary prevention.

The program in general paediatrics and paediatric surgery is taught at the Prince of Wales Children's Hospital and some associated hospitals. The main emphasis is on clinical clerking and this is supported by ward rounds, case conferences, discussion groups, seminars and lectures. Students are expected to spend one night in four in residence, and one or two weekends per term. Teaching in neonatal paediatrics is integrated with the teaching of obstetrics and gynaecology.

Assessment: A multiple choice question paper and a clinical examination.

PSCY5001 Psychiatry

Objectives: To be aware of the key symptoms, signs and syndromes of psychiatric disorder; to be able to take a psychiatric history and conduct a mental state examination; to have acquired those skills necessary for a doctor in general or non-psychiatric specialized practice to decide appropriate management strategies; to be aware of, and have some experience in basic counselling skills; to be able to assess a patient's personality, psychological adjustment, coping repertoires, social function; to appreciate the importance of psychological factors in the diagnosis and treatment of illness; to be trained in interpersonal skills appropriate to clinical practice in any area of medicine; to be aware of the appropriate sections of the Mental Health Act; to have received basic knowledge in special areas of mental retardation, forensic psychiatry, child psychiatry, transcultural psychiatry and psychogeriatrics; to be competent in prescribing psychotropic medications; and to be able to use simple behavioural techniques such as relaxation training.

Formal teaching seminars are held in the mornings of the first seven weeks. The afternoons are spent at Prince Henry, Prince of Wales, St. George, St. Vincent's and Sutherland Hospitals, where small group tutorials, case conferences and video analyses are carried out with academic and clinical staff, and clinical experience is obtained. Attachments to liaison psychiatry teams are organized so that students receive the appropriate teaching of skills related to general hospital patients. Visits to appropriate community facilities are organized.

Assessment: A written examination is conducted on the first day of the eighth week, and viva voce examinations are carried out on the remaining mornings of the week. A liaison psychiatry report is also part of the assessment.

MDSG5003 Final Clinical Examinations (Terminal Assessment)

All students in Year 5 are enrolled in the subject 80.105 Final Clinical Examinations. In addition to those students automatically required to sit for the terminal assessment, all other students will be considered by the Assessment Committee for a final assessment and their performance throughout the course may be taken into account. Normally a student who has obtained a mark of 55 or more in the Year 4 assessment and in each of the rotating terms of Year 5 is exempted from this assessment. A student may be required to undertake the terminal assessment or other form of assessment if the Term 5.5 Year 5 Assessment Committee considers that the report by the supervisor(s) in the Elective Term is unsatisfactory or if the student's report on that term is unsatisfactory.

Students who have obtained a mark of 55 or more in MDSG4001 Integrated Clinical Studies in the Year 4 assessment and whose marks fall within the range 50-54 in any one term in Year 5, but who are not required to repeat the term, will also be considered for the terminal assessment. Such students may be exempted subject to satisfactory performance in other subjects during the year.

The unofficial results for students in this category are released as 'PS: under consideration for the terminal assessment'.

Projected Format and Content of the Terminal Assessment

1. There may be three assessments comprising one 30 minute short case clinical viva, one long case assessment consisting of one hour with a patient followed by 30 minutes with the assessors, and one 30 minute oral assessment.

2. Each student is assessed by two assessors at each assessment. The assessing team is integrated, comprising members of the Schools of Community Medicine, Paediatrics, Psychiatry, Obstetrics and Gynaecology and Medicine and Surgery.

3. The 'long case' assessment is in an area of demonstrated weakness. At least one member of that assessing team will be concerned with the relevant subject.

4. A student may be assessed in Medicine and Surgery and any of the areas taught in Year 5.

Remedial Term 5.5 and Final Clinical Examinations

Students who are under consideration for the Terminal Assessment are required to undertake the Elective Term 5.5 in Medicine and Surgery under supervision in a hospital approved by the Schools of Medicine and Surgery, unless already required to repeat a term by virtue of having failed a term in Year 5. Any prior approval for an Elective Term will be withdrawn if a student is placed under consideration for the terminal assessment or is required to complete a remedial term.

MFAC5002 Final Year Elective Term 5.5

Objectives: These include one or more of the following: to develop basic knowledge and skills in Medicine and/or Surgery; to acquire preliminary training for a career in a specialty of medicine; to experience a different pattern of health care delivery from that practised in Australia; to obtain experience which may influence subsequent career orientation; to correct deficiencies perceived by students in their undergraduate program; to obtain a short introduction to research methods and philosophy.

All students undertaking the Elective Term must do so in an approved area of Medicine or Surgery or both, except for those who have attained a credit level of performance in the clinical component of the MDSG4001 Integrated Clinical Studies assessments. Information about attachments approved by the Schools of Medicine and Surgery is available from the Faculty Office.

Students who have attained a credit level of performance in the clinical component of the MDSG4001 Integrated Clinical Studies assessments may undertake work in one of the following areas (proposals which include work in more than one area are unlikely to be approved): in any school or department within the Faculty of Medicine; in a hospital or medical institution either in Australia or in another country; with a medical practitioner either in Australia or in another country.

Students should make individual arrangements for electives and are advised that some overseas governments, health authorities and/or hospitals require very early applications, accompanied by certification that the applicant is an enrolled medical student of the University who is eligible to undertake the specified term. When making the arrangements, students should specifically request that an appropriate person is willing to act as a supervisor. The supervisor is asked to submit a report to the Dean's Office by the end of the third week in November. Students who gain more than one acceptance for the elective term should communicate their refusals as soon as possible.

Students are encouraged to consult the files containing past student Elective reports, available in the School of Community Medicine. Students are also encouraged to discuss their Elective proposal(s) with a member of staff, perhaps their Warden of Clinical Studies.

Assessment of the Elective Term

Each student is required to produce a report which describes the nature of the work done during the Elective Term. This should be approximately 1000 words in length. The reports from the student and the supervisor must be submitted to the Faculty Office no later than the end of the sixth week of term. The reports are forwarded to the Heads of the relevant Schools for a decision as to whether the student has completed a satisfactory term, and thence to the Assessment Committee. It is the student's responsibility to ensure that both reports (including the supervisor's report) are received by the due date and in time for consideration by the Assessment Committee as late arrival may prejudice the allocation of an internship.

In general, students undertaking elective terms approved by the Dean are covered in respect of medico/legal claims made or actions instituted against them under the University's public liability and professional indemnity policy. However, this cover excludes claims made or actions instituted within the United States of America or Canada or territories under the jurisdiction of the courts of those countries. Students undertaking elective terms in the USA or Canada are therefore advised to ensure that they will be covered under the liability policies of the institutions at which they will be working, or that they arrange their own personal cover before commencing the term.

Further information may be obtained from the Faculty Office.

MFAC5001 Geriatrics/General Practice/Emergency

Term Design: Students rotate through attachments in Geriatrics (2 weeks), General Practice (2 weeks), and Emergency (4 weeks). Information about organization of attachments may be obtained from the Faculty Office.

Geriatrics Unit

Objectives: to gain an understanding of diagnosis and assessment in geriatric medicine; to address the management of certain specific disorders in the elderly such as dementia, falls, incontinence, stroke, mobility disorders, dying and terminal care; to gain information on appropriate drug therapy; to gain insight into the roles of workers involved in caring for the elderly including physiotherapists, occupational therapists, speech therapists, community nurses and nurses in nursing homes; to become familiar with the broad spectrum of geriatric services including the day hospital, the acute hospital, the rehabilitation centre, the nursing home, community nursing and hospice care; to stimulate thought concerning future directions for an ageing Australia.

The Geriatrics Unit can be undertaken in Canberra (based at Woden Valley Hospital) or in Sydney under geriatricians attached to the School of Community Medicine. The course consists of tutorials and practical experience in a range of health care facilities.

Assessment: Students are assessed on case report assignments.

General Practice Unit

Objectives: to understand the nature of general practice in terms of: the range and content of general practice as compared with the hospital practice; the management of patients outside a hospital setting; liaison and referral within community health services; the concept of prevention of disease and health maintenance; the problems of primary diagnosis and undifferentiated illness; the concept of continuing care; the special relationship between the general practitioner and the patient; the family setting and social context of the patient.

To recall the features of: a general practice interview; the process of general practice problem-solving; the techniques of keeping accurate medical records.

A two-week individual attachment to general practitioner preceptors either in Sydney or country New South Wales. Information about attachments may be obtained from Dr. D.Saltman in the School of Community Medicine.

The course is essentially experiential with a heavy emphasis on community-based teaching.

Assessment: Tutorial participation, viva examination, preceptor assessment.

Emergency Unit

Objectives: to recognize acute illness and life-threatening emergencies at presentation; to institute emergency measures to save life where indicated; to assess rapidly acute medical and surgical problems; to list, in order of priority, necessary procedures or investigations which will affect management to evaluate the criteria for specialist referral; to know the appropriate management of acute illness; to perform simple casualty procedures.

The experience should include the emergency care of some life threatening medical and surgical conditions, evaluation of the criteria for referral for specialist advice and care and appropriate use of investigations in primary medical care.

Information about allocation to attachments may be obtained from the Faculty Office.

Assessment: Students are assessed on the basis of a report by the student's supervisor to the Faculty Office, and a report by the student on an aspect of the attachment.

YEAR 5 (6 YEAR CURRICULUM)

Year 5 is comprised of 4 terms, each of nine weeks. The last week of each term will be used for revision and assessment.

In terms 5:1 to 5:4 students rotate through blocks of teaching in obstetrics and gynaecology, paediatrics, psychiatry, geriatrics and general practice, rather than studying the subjects concomitantly. (The first 3 weeks of the geriatrics/general practice term will be devoted to "subspecialty" teaching in dermatology, ophthalmology and otolaryngology (ear, nose and throat)). For this purpose students are allocated to a particular group (A, B, C, or D) and will follow the programme of that group for the year.

The subjects studies in Year 5 are:

OBST5001	Obstetrics and Gynaecology
PAED5101	Paediatrics
PSCY5001	Psychiatry
MFAC5001	Geriatrics/General Practice and other Subspecialty teaching.

Sequence of Blocks

Group	A	B	C	D
Term 5:1 (9 weeks)	Geriatrics/ General Practice/ Subspecialties	Paediatrics	Psychiatry	Obstetrics & Gynaecology
Term 5:2 (9 weeks)	Paediatrics	Psychiatry	Obstetrics & Gynaecology	Geriatrics/ General Practice/ Subspecialties
Term 5:3 (9 weeks)	Psychiatry	Obstetrics & Gynaecology	Geriatrics/ General Practice/ Subspecialties	Paediatrics
Term 5:4 (9 weeks)	Obstetrics & Gynaecology	Geriatrics/ General Practice/ Subspecialties	Paediatrics	Psychiatry

Assessment and Rules of Progression

The work of each rotating block is assessed during or towards the end of the block.

A student who does not satisfy the examiners at the end of any term may be offered an additional examination. Students will be required to pass in all 4 term examinations before progressing to the sixth year. A student who fails one term will be required to repeat that term in the following year but will not necessarily be required to repeat the other three terms. In this situation a special program may be provided. A student who fails two terms or more will be required to repeat Year 5 in full.

Preparation for Year 6 Elective Term

Arrangements for Elective attachments in Year 6 must be made by the students. Students should commence these arrangements early in Year 5, especially those wishing to undertake attachments overseas.

Year 5 Subject Descriptions

OBST5001 Obstetrics and Gynaecology

Same as for OBST5001 in 5 year curriculum (however, note that it is a nine week term).

PAED5101 Paediatrics

Same as for PAED5101 in 5 year curriculum (however, note that it is a nine week term).

PSCY5001 Psychiatry

Same as for PSCY5001 in 5 year curriculum (however, note that it is a nine week term).

MFAC5001 Geriatrics/General Practice/Subspecialties

Term Design: Students rotate through attachments in Geriatrics (2 weeks), General Practice (4 weeks), and Subspecialties (3 weeks).

Geriatrics Unit

Same as for Geriatrics Unit in MFAC5001 in 5 year curriculum.

General Practice Unit

Same as for General Practice Unit in MFAC5001 in 5 year curriculum.

Subspecialty Unit

Objectives: to gain experience in clinical techniques unique to the subspecialties of dermatology, ophthalmology, otolaryngology (ear, nose and throat). Teaching will be conducted in the respective specialty units.

Assessment: Continuing evaluation of clinical work.

YEAR 6 (Six Year Curriculum)

The first term in Year 6 is an Elective term. The remaining terms are devoted to the subject Clinical Studies 6. A final examination is sat at the completion of the year.

Objectives: Students entering Year 6 have passed courses in basic clinical sciences, history taking, physical examination, and therapeutics. They have also rotated through medical and surgical subspecialties as well as through the other major clinical disciplines. Year 6 aims to integrate these separate experiences and enable students to take partial responsibility for recognising and treating medical complaints as they present to the doctor of first contact. As in Year 4, students will participate in total patient care during the medical and surgical terms.

Intern Placement and Registration

Each medical graduate seeking registration as a medical practitioner in New South Wales must complete a period as an intern in a hospital or institution approved by the New South Wales Medical Board. Before taking up an intern appointment, a graduate must obtain a certificate of conditional registration from the Medical Board.

Intern placement is the responsibility of the Postgraduate Medical Council of the New South Wales Department of Health. Information concerning intern placement and conditional registration is issued to each student by the Faculty Office during the final year. Information may also be obtained from:

The Postgraduate Medical Council: Macquarie Hospital Campus, Cox's Road, North Ryde, 2113, Telephone: 888 3122.

Registration: The Registrar, Medical Board of New South Wales, Gladesville Hospital Grounds, off Puut Road, Gladesville, Telephone 879 6799.

Deferment of Internship

1.Deferment of internship for up to two years.

This may be granted by the Medical Board on the recommendation of the graduate's medical school.

Normally this will be granted on medical grounds only, but in exceptional circumstances may be granted on other personal or compassionate grounds (eg. temporary transfer overseas with spouse, child-bearing, need to care for close relative, etc.).

Normally deferment will be for one year only, and only in exceptional circumstances will it be granted on the recommendation of the medical school for two. The medical school should take undergraduate performance into account in determining the length of deferment, and if it wishes may require the applicant to undertake some form of revision and/or assessment before the Internship is allowed to commence.

2.Deferment of internship for more than two years.

It a graduate does not take up an internship within two years of graduation the Board will require evidence that the applicant has undertaken an appropriate period of revision and has been assessed as meeting the standards of current graduating students by an accredited Australian medical school.

Normally this will be undertaken in the Medical School where the undergraduate course was completed, but in exceptional circumstances (eg. family transfer to another State) - it could be undertaken at another school. The Medical School should provide the Board with details of the revised program and assessment.

In the case of a long deferral, i.e. over 5 years, without significant contact with medicine, the graduate might be required to re-attend on a full time basis one or more years of the course and undertake normal undergraduate assessments.

In the case of a shorter deferral or where there has been significant contact with medicine, a special program of student attachments and assessments might be appropriate.

Ranking Students for the Award of Honours and Intern Placement

Students are ranked on the basis of their performance throughout the undergraduate course. An overall course mark is calculated for each student using the following procedure:

1. A weighted average mark for each year of the course is determined. This year mark is obtained by weighting each of the subjects in the year, mainly according to the hours of teaching. The subject weights for each of the years of the course are shown in Table 1.

2. The overall course mark is determined by applying the year weightings listed in Table 2 (for year weightings for the six year curriculum refer to Table 3) to the weighted year marks.

3. If a student was required to sit for a supplementary assessment (for other than medical reasons or other exceptional circumstances) the subject mark used is that awarded for the original assessment.

4. If a student was required to repeat a year (for other than medical reasons or other exceptional circumstances) the weighted year mark used is that obtained at the first attempt.

5. In the calculation of the average weighted course mark for BSc MBBS students, the aggregate mark for the Science component is calculated as a weighted aggregate of all subjects counted towards the Science degree, except General Education subjects. The subject weights are as follows:

Level I subjects weighted by a factor equal to 0.0625 per unit, except Introductory Mathematics and Introductory Physics (0.05 per unit) and Higher Mathematics and Higher Physics (0.07 per unit).

Level II subjects weighted by 0.1875 per unit.

Level III subjects weighted by 0.25 per unit.

Level II/III subjects to be counted as Level II or Level III according to whether the student passed the subject in Second or Third Year.

Level IV subjects (Honours) not counted.

The three years of BSc component of the BSc MBBS course are treated as equivalent to the first two years of the MBBS course and therefore have a total year weight of 4 relative to the MBBS year weightings.

There is a limit set of 50 for the best possible score in the first year of the BSc component to put all students, whether or not they undertake Higher Mathematics or Physics, on the same footing. Only the best 24 units in the BSc component are considered in calculating the ranked score.

6. Provision is made for students admitted with advanced standing and/or exemptions in certain subjects not to be penalised in the calculation of rankings.

Award of Honours

1. The Faculty Final Year Assessment Committee considers the ranked list of students and their marks and decides the cut-off marks for the award of honours at the various levels.

2. Neither the percentage of the students obtaining honours at the various levels nor the cut-off marks are predetermined, and the Committee makes its own assessment of the level of academic attainment indicated by the overall course mark.

3. As a guide, the distribution of the awards of honours in 1989 was:

	Course Mark	Number of Awards	% of graduands
Class I Honours	>69%	17	10.6
Class II Div. I	66.5-68.9%	21	13.2
Class II Div. II	64.4-66.1%	20	12.7

Intern Placement

The ranked list of graduates is merged with the ranked list of Sydney University and Newcastle University medical graduates.

The Postgraduate Medical Council of the New South Wales Department of Health uses that list to allocate graduands to their highest available preference.

Table 1. Subject Weights within Years (5 Year Course)

Year 1	
Anatomy 1	3
Introductory Clinical and Behavioural Studies	2
Medical Biophysics	2
Chemistry and Biochemistry for medical students	4
Year 2	
Medical Biochemistry and Genetics	3
Anatomy 2	5
Physiology	6
Human Behaviour 2	2
Year 3	
Community Medicine	2
Clinical Studies 3	6
Paraclinical Science	13
Medical Science	2
Year 4	
Integrated Clinical Studies	1
Year 5	
Obstetrics & Gynaecology	1
Paediatrics	1
Psychiatry	1

Table 2. Year Weights for 5 Year Course

Year	Year Weighting
1	1
2	3
3	4
4	6
5	3

Table 3. Subject Weights Within Years (6 Year Course)

Year 1	
Anatomy 3	
Introductory Clinical and Behavioural Studies	2
Biology for Medical Students	1
Biochemistry for Medical Students	3
Year 2	
Medical Biochemistry and Genetics	2
Anatomy 2	3
Medical Physiology 1	3
Clinical Studies 2	1
Human Behaviour	1
Year 3	
Microbiology for Medical Students	1
Pathology	1
Medical Physiology 2	1
Medical Pharmacology	1
Clinical Studies 3	1
Year 4	
Integrated Clinical and Community Studies	1
Year 5	
Obstetrics & Gynaecology	1
Paediatrics	1
Psychiatry	1
Geriatrics/General Practice/Subspecialty	1
Year 6	
Integrated Clinical Studies 6	1

Table 4. Year Weights for Six Year Course

Year	Year Weighting
1	2
2	4
3	4
4	6
5	4
6	6

Undergraduate Study

3820
Combined Science and Medicine Course (BSc MB BS)

The Science/Medicine course is an alternative course of study, whereby, over a seven-year program, (or a six year program for those who entered the course prior to 1988), a student may complete the degree of Bachelor of Science, with the Bachelor degrees of Medicine and Surgery.

The Science/Medicine course is intended for those students with special interest and aptitude in science, who wish to obtain a firm grounding in basic sciences.

A limited number of places are available in this course and these are open only to students who have been accepted for entry into the Faculty of Medicine.

Students who wish to undertake this program should contact the Faculty Office as soon as possible after receiving their offer of a place in the Faculty. Selection of students for the Science/Medicine course is made approximately two weeks before commencement of Session 1.

The students undertake a three-year approved course of study leading to the award of the degree of BSc, and on completion, enter Year 3 of the normal Medicine Course.

The conditions for the award of the BSc are those laid down by the Board of Studies in Science and Mathematics (see Combined Sciences Handbook). The student is offered a choice of a number of programs, leading to a major or double major in one or two of the subjects anatomy, biochemistry and physiology. A psychology major is also a possibility; however, this cannot be completed in the three-year minimum.

After the three years, students may apply to do honours in the subject of their major, before entering the medical program.

Students who have completed the combined Science/Medicine degree course are eligible for the award of honours in the MB BS degree course, based on weighted performance in subjects (excluding the BSc degree at honours level) throughout the combined course.

Course Details

The Science course is divided up into subjects each of which is assigned a 'unit value'. For the Science degree, 23 units are required, together with three General Education electives. Students usually take 8 units in Year 1, 7 in Year 2, and 8 in Year 3. Students are strongly advised to complete the General Education requirements during the first three years, before entering the Medicine Course; otherwise there are timetabling difficulties.

Year 1

All students take two units each of physics, chemistry, mathematics and biology. There is a choice of level in mathematics and physics.

Year 2

All students must take two units each of biochemistry, anatomy, and physiology, except that students majoring in biochemistry must take a unit of organic chemistry instead of one of the biochemistry units. One unit of human behaviour must be taken in either second or third year.

Year 3

Students are required to take a minimum of 4 Level 111 units in the subject of their major, which must be anatomy, biochemistry, physiology or psychology, together with a specified minimum number of units in anatomy, biochemistry and physiology. The possible combinations are indicated in the following table.

Subjects

Details of all subjects are given in the Combined Sciences Handbook. Details of subjects taught by Schools in the Faculty of Medicine are also published in the **Subject Descriptions** section later in this book.

ANAT	Anatomy
BIOC	Biochemistry
BIOS	Biological Sciences
CHEM	Chemistry
MATH	Mathematics
PHPH	Physiology and Pharmacology
PHYS	Physics

Elective units may be chosen from subjects listed in Table 1 and from Anatomy units listed in Table 2 of the Board of Studies in Science and Mathematics section of the Combined Sciences Handbook.

Year 1

Session 1

BIOS1011	Biology A

Session 2

BIOS1021	Biology B
	(Students in percentile range 31-100 in HSC 4 unit Science with Biology or 2 unit Biology may be permitted instead to transfer to BIOS2031 Invertebrate Zoology, BIOS2061 Vertebrate Zoology, BIOS2021 Introductory Genetics.)

Full Year

PHYS1002	Physics 1
or	
PHYS1022	Introductory Physics 1 (For Health and Life Scientists)
MATH1032	Mathematics 1
or	
MATH1042	Higher Mathematics 1
or both	
MATH1011	General Mathematics 1B (Session 1 only)
and	
MATH1021	General Mathematics 1C (Session 2 only)
CHEM1002	Chemistry 1
	1 General Education elective

Year 2

Full Year

BIOC2312	Biochemistry
ANAT2211	Histology 1
ANAT2111	Introductory Anatomy
PHPH2121	Physiology 1A
PSCY2201	Human Behaviour (Science course)

Session 1 and 2

1 General Education elective

* Students majoring in biochemistry should take CHEM2021 Organic Chemistry instead of 41.111 Biochemical Control. For students majoring in biochemistry and physiology, CHEM2021 will be accepted in lieu of 41.111 as a prerequisite for PHPH3114 Physiology 2. Students not majoring in anatomy commonly take an additional anatomy unit in *either* ANAT3311 Mammmalian Embryology *or* ANAT3121 Visceral Anatomy. PSCY2201 Human Behaviour may be taken in Year 2 or 3.

Year 3

Anatomy Major

Core Units

General Education elective PSCY2201**

4 Level III Anatomy units

together with

Single Major

4 Elective units

Double Major with Anatomy

3 Level III Anatomy units (makes total of 7)

Double Major with Biochemistry

41.102, BIOC3261, and BIOC3271 or BIOC3281

Double Major with Physiology

PHPH3114

Biochemistry Major

Core Units

General Education elective PSCY2201**

41.102, BIOC3261 and BIOC3271 or BIOC3281

together with

Single Major

2 Level III Anatomy units, 2 Elective units

Double Major with Anatomy

4 Level III Anatomy units

Double Major with Biochemistry

Not available

Double Major with Physiology

PHPH3114

Physiology Major

Core Units

General Education elective PSCY2201**, PHPH3114

together with

Single Major

2 Level III Anatomy units, 2 Elective units

Double Major with Anatomy

4 Level III Anatomy units

Double Major with Biochemistry

41.102, BIOC3261 and BIOC71 or BIOC3281

Double Major with Physiology

Not available

** PSCY2201 Human Behaviour may have been taken already in Year 2

Year 4

Students usually join Year 3 of the Medicine Course. However, students may apply to take honours in the subject of their major before proceeding to the Medicine Course. The honours program is a one-year research project in the school. Details are given in the **Combined Sciences Handbook** (Table 3 in the Board of Studies in Science and Mathematics Section and Subject Descriptions). Enquiries should be directed to the head of the appropriate school.

Honours may also be awarded at the time of graduation with the degrees of MB BS, on the basis of a student's performance throughout the combined course (excepting any special studies for honours in Science). The award of honours shall be determined on the basis of a weighted aggregate mark, calculated as the sum of weighted aggregate marks obtained in the medical component of the course calculated in accordance with the rules applying to the Medicine Course 3800, together with an aggregate mark based on the Science component of the course.

Undergraduate Study

3830 Bachelor of Science (Medicine) Honours

(BSc(Med)Hons)

This is a one year research program offered to students in the 6 year Medicine Course who have achieved a high standard in their studies. Those who complete the research program in conjunction with the 6 year curriculum, will be eligible for the award of the degree BSc(Med)Hons.

In general the aims of the year, normally spent in supervised research, are to enable the student to acquire an appreciation of the value of observation and experimentation in the development of medical science, and to learn how to determine the "current state of knowledge" in a defined field. This year enables the student to gain experience in the written and spoken presentation of scientific information.

Information concerning this course option is issued to medical students in midyear. A list of available research projects may be obtained from the Faculty Office or the Clinical Schools.

Rules for the Award of the Bachelor of Science (Medicine) Degree with Honours (BSc(Med)Hons) - (For candidates in the 6 Year Medicine Course)

1.(a) Undergraduates who have successfully completed the first three years of the six year Medicine Course may enrol for the degree of BSc(Med)Hons in one of the following subjects: anatomy, biochemistry, microbiology, pathology, pharmacology, physiology, psychology or in any other subject approved by the BSc(Med) Committee provided that the candidate's performance in the subject area has been of a high standard.

(b) A student may register as a candidate for the degree in any of the Schools of the Faculty of Medicine, the School of Biochemistry, the School of Microbiology or the School of Psychology, subject to the permission of the head of the School concerned and the BSc(Med) Committee.

2.(a) Medical graduates may enrol for the degree of BSc(Med)Hons in any subject approved by the BSc(Med) Committee provided that their performance in the subject area has been of a high standard.

(b) A graduate may be registered as a candidate for the degree in any of the Schools of the Faculty of Medicine, the School of Biochemistry, the School of Microbiology or the School of Psychology, subject to the permission of the Head of School concerned and the BSc(Med) Committee.

3.The program for each candidate shall be designed to introduce the student to research in the appropriate discipline and shall consist of such formal and special work and any examinations prescribed by the Head of School concerned and approved by the BSc(Med) Committee.

4.The award upon completion of the course shall be Bachelor of Science (Medicine) with Honours Class I, Honours Class II, Division 1 or Honours Class II, Division II. If the performance of the student has been unsatisfactory no award of honours shall be made.

Assessment Guidelines

1. Schools make assessments on the advice of the supervisor and at least two assessors. Where the student performs his or her work in a clinical school, but is registered in a pre-clinical discipline, at least one of the assessors could be chosen from a relevant pre- or para-clinical school.

2. A thesis is compulsory and forms a major part of the assessment. The thesis must be typed and suitable for subsequent binding if required. The typescript length of the thesis is normally no more than 20,000 words.

3. It is desirable that candidates participate in the activities of the school by participation in seminars, by presentation of essays and other prescribed activities.

4. Candidates are normally required to give an oral presentation during the year and this may be taken into account in the assessment.

5. The degree BMedSc, may be awarded in the following grades: High Distinction, Distinction, Credit, Pass, Pass Conceded and Fail or no award made. The degree of BSc(Med)Hons may be awarded in the following grades: Honours Class I; Honours Class II, Division I; Honours Class II, Division II or no award made.

Undergraduate Study

Subject Descriptions

Identification of Subjects

A subject is defined by the Academic Board as 'a unit of instruction approved by the University as being a discrete part of the requirements for a course offered by the University'.

In 1991 a new system of subject identification is introduced. Each approved subject of the University is identified by a sequence of eight characters, consisting of a four character alphabetical prefix which identifies the organizational unit responsible for administering the subject, and a four digit numeric suffix identifies the subject.

Subject identifiers are approved by the Registrar and the system of allocation is based on the following guidelines:

1. The authority offering the subject, normally a School of the University, is indicated by the four character alphabetical prefix.

2. Each subject identifier is unique and is not used for more than one subject title.

3. Subject numbers which have previously been used are not used for new subject titles.

Subjects taught are listed in full in the handbook of the faculty or board of studies responsible for the particular course within which the subjects are taken. Subject descriptions are contained in the appropriate section in the handbooks.

Appropriate subjects for each school appear at the end of each school section.

The **identifying alphabetical prefixes** for each organizational unit are set out on the following pages.

Servicing Subjects are those taught by a school or department outside its own faculty. Their subject descriptions are published in the handbook of the faculty which originates the subject and are also published in the handbook of the faculty in which the subject is taught. The following pages contain descriptions for most of the subjects offered for the courses described in this book, the exception being General Education subjects. For General Education subjects see the **General Education Handbook** which is available free of charge.

HSC Exam Prerequisites

Subjects which require prerequisites for enrolment in terms of the HSC Examination percentile range, refer to the **1978 and subsequent Examinations.**

Candidates for enrolment who obtained the HSC in previous years or hold other high school matriculation should check with the appropriate school on what matriculation status is required for admission to a subject.

Information Key

The following is the key to the information which may be supplied about each subject:

S1 Session 1, **S2** Session 2

F Session 1 *plus* Session 2, ie full year

S1 or S2 Session 1 or Session 2, ie choice of either session

SS single session, but which session taught is not known at time of publication

CCH class contact hours

L Lecture, followed by hours per week

T Laboratory/Tutorial, followed by hours per week

P/T part-time

hpw hours per week

wks weeks of duration

C Credit point value

CR Credit

DN Distinction

HD High Distinction

X External

Prefix	Organizational unit	Faculty
ABIO	School of Applied Bioscience	Applied Science
ACCT	School of Accounting	Commerce & Economics
ACHM	Department of Chemistry	University College
ACMA	Department of Civil Engineering	University College
ACSC	Department of Computer Science	University College
AECM	Department of Economics & Management	University College
AELE	Department of Electrical Engineering	University College
AENG	Department of English	University College
AERO	Aeronautical Engineering	Engineering
AGOC	Department of Geography & Oceanography	University College
AHIS	Department of History	University College
AINT	UniversityCollege(Interdisciplinary)	University College
AMAT	Department of Mathematics	University College
AMEC	Department of Mechanical Engineering	University College
ANAT	School of Anatomy	Medicine
APHY	Department of Physics	University College
APOL	Department of Politics	University College
APSE	Faculty of Applied Science	Applied Science
ARCH	School of Architecture	Architecture
ARTS	Faculty of Arts	Arts
ASIA	Asian Studies	Arts
AUST	Australian Studies	Arts
BIOC	School of Biochemistry	Biological & Behavioural Sciences
BIOM	Centre for Biomedical Engineering	Engineering
BIOS	School of Biological Science	Biological & Behavioural Sciences
BIOT	Department of Biotechnology	Applied Science
BLDG	School of Building	Architecture
BSSM	Board of Studies in Science & Mathematics	
CEIC	School of Chemical Engineering & Industrial Chemistry	Applied Science
CHEM	School of Chemistry	Science
CHEN	Department of Chemical Engineering	Applied Science
CHIN	Chinese	Arts
CIVL	School of Civil Engineering	Engineering
CMED	School of Community Medicine	Medicine
COFA	College of Fine Arts	
COMM	Faculty of Commerce	Commerce & Economics
COMP	Computer Science	Engineering
ECOH	Department of Economic History	Commerce & Economics
ECON	School of Economics, and Departments of Econometrics and Economics	Commerce & Economics
EDST	School of Education Studies	Professional Studies
ELEC	School of Electrical Engineering & Computer Science	Engineering
ENGL	School of English Studies	Arts
EURO	European Studies	Arts
EXPA	School of Arts and Music Education	Professional Studies
FIBR	School of Fibre Science & Technology	Applied Science
FINS	School of Banking & Finance	Commerce & Economics
FOOD	Department of Food Science and Technology	Applied Science
FREN	School of French	Arts
FUEL	Department of Fuel Technology	Applied Science
GENS	Centre for Liberal & General Studies	
GEOG	School of Geography	Applied Science
GEOL	Department of Applied Geology	Applied Science
GERS	School of German Studies	Arts
GREK	Modern Greek	Arts
GSBE	Graduate School of the Built Environment	Architecture
HEAL	School of Health Services Management	Professional Studies
HIST	School of History	Arts
HOSP	School of Marketing	Commerce & Economics
IDES	Department of Industrial Design	Architecture
INDC	Department of Industrial Chemistry	Applied Science
INDO	Indonesian	Arts
INFS	School of Information Systems	Commerce & Economics
INTD	Interdisciplinary Studies	Arts
IROB	School of Industrial Relations & Organ. Behaviour	Commerce & Economics
JAPN	School of Marketing	Commerce & Economics
KCME	Key Centre for Mines	Applied Science
LAND	School of Landscape Architecture	Architecture
LAWS	School of Law	Law
LEGT	Department of Legal Studies & Taxation	Commerce & Economics
LIBS	School of Librarianship	Professional Studies
MANF	Manufacturing Management	Engineering
MARK	School of Marketing	Commerce & Economics
MATH	School of Mathematics	Science
MATS	School of Materials Science and Engineering	Applied Science
MDCN	School of Medicine	Medicine
MDSG	Med/Surg.Clinical Studies	Medicine
MECH	School of Mechanical Eng. & Manufacturing Eng.	Engineering
MEED	School of Medical Education	Medicine
MFAC	Medical Faculty (Admin)	Medicine

Prefix	Organizational unit	Faculty
MICR	School of Microbiology	Biological & Behavioural Sciences
MINE	Department of Mining Engineering	Applied Science
MNGT	Australian Graduate School of Management	
MUSI	Department of Music	Arts
NAVL	Naval Architecture	Engineering
OBST	School of Obstetrics & Gynaecology	Medicine
OPTM	School of Optometry	Science
PAED	School of Paediatrics	Medicine
PATH	School of Pathology	Medicine
PHIL	School of Philosophy	Arts
PHPH	School of Physiology & Pharmacology	Medicine
PHYS	School of Physics	Science
PLAN	School of Town Planning	Architecture
POLS	School of Political Science	Arts
POLY	Department of Polymer Science	Applied Science
PSCY	School of Psychiatry	Medicine
PSYC	School of Psychology	Biological & Behavioural Sciences
PTRL	Department of Petroleum Engineering Studies	Applied Science
REMO	Centre for Remote Sensing	Engineering
RUSS	Department of Russian Studies	Arts
SAFE	Centre for Safety Science	Engineering Science
SCTS\ HPST	School of Science & Technology Studies	Arts
SLSP	Department of Social Science & Policy	Arts
SLST	School of Sport & Leisure Studies	Professional Studies
SOCI	School of Sociology	Arts
SOCW	School of Social Work	Professional Studies
SPAN	Spanish & Latin American Studies	Arts
SURG	School of Surgery	Medicine
SURV	School of Surveying	Engineering
TEDG	School of Teacher Education (grad)	Professional Studies
TEED	School of Teacher Education (undergrad)	Professional Studies
TESL	TESOL	Arts
TEXT	Department of Textile Technology	Applied Science
THST	Department of Theatre Studies	Arts
USOM	School of Mines	Applied Science
WOMS	Women Studies	Arts
WOOL	Department of Wool & Animal Science	Applied Science

Faculty of Medicine - Summary of Undergraduate Subject Descriptions

The following Subject Descriptions are presented only by subject number and title, together with the year in which each subject is to be taken in the Medicine Course. **Note:** Those subjects given as Yr 1 refer to the first year subjects of the six year curriculum.

For full details of subject content and assessment consult the subject descriptions listed in the **Course Details** under the relevant year listing in the **Undergraduate Study** section of this handbook.

ANAT1007	**Anatomy 1**	**Yr 1**
ANAT2007	**Anatomy 2**	**Yr 2**
BIOC1319	**Biochemistry for Medical Students**	**Yr 1**
BIOC2329	**Medical Biochemistry and Genetics**	**Yr 2**
MDSG2001	**Clinical Studies 2**	**Yr 2**
MDSG3001	**Clinical Studies 3**	**Yr 3**
MDSG4001	**Integrated Clinical Studies**	**Yr 4**
MDSG5003	**Final Clinical Examinations**	**Yr 5**
MFAC1001	**Introductory Clinical & Behavioural Studies**	**Yr 1**
MFAC5001	**Geriatrics/General Practice/Emergency**	**Yr 5**
MFAC5002	**Elective**	**Yr 5**
OBST5001	**Obstetrics and Gynaecology**	**Yr 5**
PAED5101	**Paediatrics**	**Yr 5**
PHPH1004	**Biology for Medical Students**	**Yr 1**
PHPH2018	**Physiology**	**Yr 2**
PSCY2101	**Human Behaviour 2**	**Yr 2**
PSCY5001	**Psychiatry**	**Yr 5**

Physics

Physics Level I Subjects

PSYS1002 Physics 1 **F L3T3**

Prerequisites:

	HSC Exam Score Range Required
2 unit Mathematics or	*67-100*
3 unit Mathematics or	*1-50*
4 unit Mathematics	*1-100 or*
and	*(for PHYS1002 only) 10.021E*
2 unit Science (Physics) or	*57-100*
2 unit Science (Chemistry) or	*60-100*
3 unit Science or	*90-150*
4 unit Science or	*1-150*
PHYS1022	

Co-requisite: MATH1021 or MATH1032.

* This refers to the 2 Unit Mathematics subject which is related to the 3 Unit Mathematics subject. It does not refer to the subject 2 Unit Mathematics (Mathematics in Society).

Aims and nature of physics and the study of motion of particles under the influence of mechanical, electrical, magnetic and gravitational forces. Concepts of force, inertial mass, energy, momentum, charge, potential, fields. Application of the conservation principles to solution of problems involving charge, energy and momentum. Electrical circuit theory, application of Kirchoff's laws to AC and DC circuits. Uniform circular motion, Kepler's laws and rotational mechanics. Properties of matter: solids, liquids, gases. The wave theories of physics, transfer of energy by waves, properties of waves. Application of wave theories to optical and acoustical phenomena such as interference, diffraction and polarization. **(Old No. 1.001)**

PHYS1022 Introductory Physics 1 (For Health and Life Scientists) **F L3T3**

Prerequisites: Nil. Co-requisite: MATH1011 and MATH1021 or MATH1032.

Principally for students majoring in the life and health sciences disciplines. Topics at an introductory level.

The methods of physics, describing motion, the dynamics of a particle, conservation of energy, kinetic theory of gases, properties of liquids, vibrations and waves, electricity and conduction in solids, ions and ionic conduction, magnetism and electromagnetic induction, alternating current, atomic nature of matter, X-rays, the nucleus and radio-activity, geometrical optics, optical instruments, wave optics, microscopes and their uses. **(Old No.1.021)**

Chemistry

CHEM1101 Chemistry 1A **S1 L3T3**

Prerequisites:

	HSC Exam Score Range Required
2 unit Mathematics or	*55-100*
3 unit Mathematics or	*1-50*
4 unit Mathematics	*1-100*
and	
2 unit Chemistry or	*53-100*
3 unit Science or	*90-150*
4 unit Science or	*1-50*
2 unit Physics	*53-100*

Stoichiometry and solution stoichiometry. Atomic and molecular structure. Electron configurations and the periodic table. Types of chemical bonds, electronegativity. States of matter, changes of state, phase diagrams, gases, liquids, solids, solutions. Chemical thermodynamics, enthalpy, entropy, free energy. Chemical equilibrium, equilibrium constants, quantitative calculations applied to acid-base and solubility equilibria, buffers, titrations, chemical analysis. Oxidation and reduction reactions, electrode potentials. Chemical Kinetics.

CHEM1201 Chemistry 1B **S1 or S2 L3T3**

Prerequisite: CHEM1101 Chemistry 1A

Molecular structure, valence bond theory, hybridization of orbitals, common geometries. Periodicity of physical and chemical properties of common representative elements and compounds. Chemistry of carbon compounds, stereoisomerism; alkanes, alkenes, alkynes, aromatic compounds, alcohols, ethers, aldehydes, ketones, carboxylic acids and derivatives amines. Polymers.

Note: The two subjects CHEM1101 and CHEM1201 taken sequentially, are equivalent to CHEM1002.

Mathematics

MATH1032 Mathematics 1 **F L4T2**

Prerequisite:

	HSC Exam Score Range Required
2 unit Mathematics or	*67-100*
2 and 3 unit Mathematics or	*100-150*
3 and 4 unit Mathematics or	*100-200*

Excluded: MATH1042, MATH1011, MATH1021.

Calculus, analysis, analytic geometry, linear algebra, an introduction to abstract algebra, elementary computing. **(Old No. 10.001)**

MATH1011 General Mathematics 1B **S1 L4T2**

Prerequisite:

	HSC Exam Score Range Required
2 unit Mathematics or	*60-100*
2 and 3 unit Mathematics or	*61-150*
3 and 4 unit Mathematics	*61-200*

Excluded: MATH1042, MATH1032.

Functions (and their inverses), limits, asymptotes, continuity; differentiation and applications; integration, the definite integral and applications; inverse trigonometric functions; the logarithmic and exponential functions and applications; sequences and series; mathematical induction; the binomial theorem and applications; introduction to probability theory; introduction to 3-dimensional geometry; introduction to linear algebra. **(Old No. 10.021B)**

MATH1021 General Mathematics 1C **S2 L4T2**

Prerequisite: MATH1011 or Excluded: MATH1032, MATH1042.

Techniques for integration, improper integrals; Taylor's theorem; first order differential equations and applications; introduction to multivariable calculus; conics; finite sets; probability; vectors, matrices and linear equations. **(Old No. 10.021C)**

Biological Science

BIOS1011 Biology A **S1 L2T4**

Prerequisite:

	HSC Exam Score Range Required
2 unit Science (Physics) or	*53-100*
2 unit Science (Chemistry) or	*53-100*
2 unit Science (Geology) or	*53-100*
2 unit Science (Biology) or	*53-100*
3 unit Science or	*90-150*
4 unit Science	*1-50*

Basic cell structure; membranes, organelles, prokaryotic and eukaryotic cells; cellular locomotion; basic biological molecules; enzymes; structure and metabolic roles, cellular compartmentalization and enzyme function; diffusion, osmosis and active transport; theory of inheritance, linkage, mutation, informationt ransfer and protein synthesis.

Requirements for Practical Work

Equipment required for practical work is set out in the Course Guide, available during enrolment time at the First Year Registration Centre (Physics Building). Students must purchase this prior to the first week of session. **(Old No. 17.031)**

BIOS1021 Biology B **S2 L2T4**

Prerequisite: BIOS1011 (however, students without this prerequisite may seek the permission of the Director of First Year Biology to enrol).
Excluded. 17.021.

The evolution, diversity and behaviour of living things and the ways in which they have adapted to varying environments. Emphasis on the structure and function of flowering plants and vertebrate animals, and their roles in Australian ecosystems. The theory covered in lectures and tutorials is illustrated by observation and experiment in laboratory classes. **(Old No. 17.041)**

BIOS2031 Biology of Invertebrates **S2 L2T4**

Prerequisites: BIOS1011, BIOS1021.

A comparative study of morphology, taxonomy and functional biology of invertebrate animals. Emphasis is placed on the major groups (Arthrpods and Milluscs) and on marine forms. Practical classes and a compulsory field camp illustrate the lecture material. **(Old No. 17.722)**

BIOS2061 Vertebrate Zoology **S1 L3T3**

Prerequisites: BIOS1011, BIOS1021.

A comparative study of the Chordata, with particular reference to the vertebrates, including morphology, systematics, evolution and natural history, with reference to selected aspects of physiology and reproduction. Practical work to supplement the lecture course. Field excursions as arranged. **(Old No. 17.732)**

Biochemistry

BIOC2312 Principles of Biochemistry and Molecular Biology **F L2.5T3.5**

Prerequisites: BIOS1011 and BIOS1021, CHEM1101 and CHEM1201 or CHEM1002.
Excluded 2.003J.

The chemical properties of amino acids, peptides and proteins, carbohydrates, nucleic acids and lipids and the biological roles of these compounds. The nature and function of enzymes. The intermediary metabolism of carbohydrates, lipids and nitrogenous compounds. The relationship between structure and function of enzymes, other proteins, hormones and biological membranes, metabolic networks and control mechanisms. The molecular mechanism of gene expression and protein synthesis. Regulation of gene expression. Recombinant DNA technology and protein engineering. Introduction to biotechnology. Photosynthesis. Practical work to complement the lectures. **(Old No.41.101)**

BIOC3111 Molecular Biology of Proteins **S1 L2 T4**

Prerequisites: BIOC2312, CHEM2021 or CHEM2041.
Excluded: 41.102A, 41.102.

Modern aspects of the structure-function relationships of proteins including discussion of the latest techniques of protein characterization. Topics will include: separation and analytical procedures; determination of amino acid sequence data; the nature of protein-protein and protein-ligand interactions including aspects of substrate binding, enzyme kinetecs and enzyme mechanisms; the molecular architecture of proteins from the standpoint of the relationships among primary, secondary, tertiary fand quaternary structures; aspects of protein engineering. Practical work to illustrate and complement the lectures and to provide experience with modern techniques of protein molecular biology.

BIOC3121 Molecular Biology of Nucleic Acids **S2 L2 T4**

Prerequisites: BIOC2312, CHEM2021 or CHEM2041.
Excluded: 41.102A, 41.102.

Detailed analysis of gene structure and function including: structure and properties of polynucleotides such as DNA and RNA; structure of chromatin; mechanisms and regulation of gene replication, transcription and translation; recombinant DNA technology, nucleic acid sequencing, DNA-DNA and DNA-RNA hybridization as important tools of modern molecular biology; protein production using recombinant DNA systems. Practical work to illustrate and complement the lectures and to provide experience with contemporary biochemical techniques.

BIOC3261 Human Biochemistry **S2 L2T4**

Prerequisite: BIOC2312.

Aspects of metabolism that are of particular relevance to the human: nutrition, exercise, neurochemistry, xenobiotics and genetic diseases.

The role of triglyceride, cholesterol and lipoprotein metabolism in human health, and other selected areas of human nutrition. Exercise, the metabolic fuels utilized and the use of in vivo NMR to monitor changes in energy metabolism. Specialized aspects of endocrinology and neurochemistry including prostaglandins, leukotrienes, enkephalins and endorphins. The interrelation of purines, pyrimidines, folate and cobalamin metabolism in humans. Xenobiotics: the metabolism of foreign compounds by humans. Biochemical aspects of genetic disease including the use of recombinant DNA techniques for prenatal diagnosis and carrier detection. Practical work to amplify the lectures. **(Old No. 41.112)**

BIOC3271 Cellular Biochemistry and Control **S2 L2T4**

Prerequisite: BIOC2312.
Excluded: 41.102B

Cell biology from a molecular physicochemical viewpoint. Biochemical aspects of cellular organization and how they are integrated and controlled. The arrangement of the component molecules of organelles, their function in integrated cellular metabolism to molecular interactions between the cells of multicellular organisms. The biochemistry of the cytoskeleton, carriers and intracellular

transport systems. The regulation of cellular processes at the molecular endocrine level. Growth and differentiation. Aspects of cancer metabolism, the biochemistry of cell to cell communication and the structure and function of the extracellular matrix. This subject is complementary to 43.192 Ultrastructure, and students with a special interest in cell biology are encouraged to take both subjects. Practical work to amplify the lectures. **(Old No. 41.122)**

Anatomy

Servicing Subjects

These are subjects taught within courses offered by other faculties.

For further information regarding the following subjects see the Sciences Handbook.

ANAT2211 Histology 1 F L1T2

Prerequisites: BIOS1011, BIOS1021. Co-requisite: ANAT2111.

Elementary theory of light and electron microscopy. General cell morphology and ultrastructure. Introduction to simple histological techniques and artefacts. Basic histology, including the morphological and functional properties of epithelial, connective, muscle and nervous tissues. Systematic histology, including a histological examination of the major systems of the body; cardiovascular, respiratory, lymphatic, integumentary, digestive, endocrine, urinary, reproductive and nervous (including eye and ear) systems. Emphasis on the ability to interpret histological sections and selected electron micrographs of mammalian tissues and organs and to relate morphology to tissue and organ function. **(Old No. 70.011A)**

ANAT3311 Mammalian Embryology F L1T2

Co-requisites: ANAT2211, ANAT2111.

History of embryology and its development as a science. The mammalian reproductive system. Gametogenesis. Fertilization and cleavage. Development and implantation of blastocyst. Development of embryonic disc, embryonic membranes, placenta. Comparative mammalian placentation. Human embryogenesis. Development of human fetus. Characteristics of external form. Teratology. Human organogenesis. Comparative mammalian development. Biochemistry and embryogenesis. **(Old No. 70.011B)**

ANAT2111 Introductory Anatomy S1 L2T4

Prerequisites: BIOS1011, BIOS1021.

Introduction to gross anatomy, based on a study of prosected specimens. Musculoskeletal, cardiovascular, respiratory, gastrointestinal, genitourinary and nervous systems. General topographical and surface anatomy. **(Old No. 70.011C)**

ANAT3121 Visceral Anatomy S2 L2T4

Prerequisite: ANT2111.

A detailed study of the visceral system, including autonomic nervous system, head and neck regions and the cardiovascular, respiratory, gastrointestinal and genitourinary systems. In addition, tutorials include clinical cases and surface and radiological anatomy. **(Old No. 70.012B)**

ANAT3411 Neuroanatomy 1 S1 L2T4

Prerequisites: ANAT2211, ANAT2111.

Nerve cells and glial cells, cytoarchitecture of brain and spinal cord. Functional anatomy of sensory and motor processing, and higher cerebral functions such as language and emotions. Blood supply of the central nervous system, cerebrospinal fluid and membranous coverings. Comparative anatomy of the brain. **(Old No. 70.012C)**

ANAT4000 Anatomy 4 F

Prerequisite: Completion of the first three years of any Science program with a major in Anatomy (see Table 3 of Combined Sciences Handbook).

An honours program consisting of the preparation of an undergraduate thesis and participation in School seminars. **(Old No. 70.013)**

ANAT3211 Histology 2 F

Prerequisite: ANAT2211 Excluded: ANAT3220 (If ANAT3211 is taken after ANAT3220 total counts only 1 unit.)

Advanced mammalian histology, with particular reference to the human tissues. Practical histological procedures: fixation, section preparation, staining. Microscopy. Theoretical, practical and applied histochemistry. Project work. Electron microscopy. **(Old No. 70.304)**

ANAT3220 Histological and Histochemical Techniques S2 L1T2

Prerequisites: BIOS1011, BIOS1021 and either BIOC2312 or BIOS2061 or ANAT2211.

Excluded: ANAT3211.

Practical histological procedures: fixation, section preparation, staining. Microscopy. Theoretical, practical and applied histochemistry. **(Old No. 70.3041)**

ANAT3421 Neuroanatomy 2 S2 L1T2

Prerequisite: ANAT3411.

Topics of contemporary neuroanatomy and neuroscience. Includes: sensory, motor, and associational areas of the cerebral cortex, cerebral asymmetry, hippocampus, regulatory centres of the brainstem, organization of cerebellum, sensory organs. Recent advances in chemical neuroanatomy and neuroendocrinology. Neuroanatomy of major neurological diseases, scientific basis of novel approaches to treatment. Recent work on the development of the brain. The course is organized in seminar format, and is based primarily on original publications. Students are required to undertake a substantial amount of private study. **(Old No. 70.305)**

ANAT3131 Functional Anatomy 1 **S1 L2T4**

Prerequisite: ANAT2111.

Introduction to fundamental issues in the morphology and dynamics of human movement systems. Includes: physical properties of bone, muscle and connective tissue; biomechanics, movement analysis and neuromuscular control. These basic principles are applied to a study of musculoskeletal components of head and neck and upper limb. Emphasis on modern analytical techniques and findings. Tutorials include limb and joint dissections plus study of surface and radiological anatomy. **(Old No. 70.306)**

ANAT3141 Functional Anatomy 2 **S2 L2T4**

Prerequisite: ANAT3131.

A continuation of ANAT3131. Includes: a detailed study of the musculoskeletal components of trunk and lower limb, functional morphology of muscle, biomechanics and energetics of walking and running. **(Old No.70.307)**

Medicine

Servicing Subject

This is a subject taught within a course offered by another faculty.

For further information regarding this subject see the Combined Sciences Handbook.

MDCN8001 Principles of Medicine for Optometry Students **FL1**

Prerequisite: None. Students normally take the subject in Year 4 of course 3950.

An overview of all aspects of current clinical medical practice. Included are historical, epidemiological, pathophysiological, diagnostic, therapeutic and public health aspects of disease in man and the various clinical categories of practice. **(Old No. 71.001)**

Pathology

Servicing Subject

This is a subject taught within a course offered by another faculty.

For further information regarding this subject see the Combined Sciences Handbook.

PATH3201 Basic and Applied Pathology **F L2T1**

Prerequisites: ANAT2211, ANAT2111, PHPH2112 or equivalent.

Lectures and practical class demonstrations. Includes exposition of the basic classification of pathological processes, study of the processes of cell and tissue degeneration, acute and chronic inflammation, vascular disease, including thrombosis, embolism, ischaemia and infarction. Coverage of the processes of healing and regeneration with specific reference to healing of skin wounds and the healing of fractures. Aberrations of cell growth used to introduce the subject of neoplasia and carcinogenesis. Exposure to examples of specific disease entities of general practical importance exemplifying the basic or fundamental processes such as appendicitis, pneumonia, arthritis, pulmonary and myocardial infarction as well as lung, alimentary and cerebral tumours. Correlation of pathological processes with development of specific clinical syndromes. **(Old No. 72.301)**

Physiology and Pharmacology

Servicing Subjects

These are subjects taught within courses offered by other faculties.

For further information regarding the following subjects see the Combined Sciences Handbook. The subject PHPH2112 also appears in the Faculty of Engineering Handbook.

PHPH2122 Principles of Physiology (Optometry) **F $L2^{1}/_{2}T3^{1}/_{2}$**

Prerequisites: As for Physiology 1 except that CHEM1113 may be accepted as a co-requisite. Excluded PHPH2112.

Covers the same general areas of physiology as Physiology 1 but in less detail and with less intensive practical courses. Principles of Physiology is taken only by students in the BOptom degree course. **(Old No. 73.011)**

PHPH3114 Physiology 2 **F L4T8**

Prerequisites: PHPH2112, BIOC2312.

A major subject offered in third year, providing a more advanced course of study in Physiology. Students spend considerable time performing laboratory experiments which illustrate various physiological principles and introduce them to the techniques used in physiological investigation. The course is orientated towards the areas of physiology constituting the major research interests of the School. It is divided into several sections which may be available in special circumstances as separate 1 and 2 unit Level III courses, including Membrane Biology, Neurophysiology and Organ Physiology, details of which are given below. **(Old No. 73.012)**

PHPH3121 Membrane Biology **S1 L2T4**

For entry consult Head of School of Physiology and Pharmacology.

The properties of cell membranes including permeation of ions, solutes and water across membranes, generation of electrical signals in nerve and muscle cells produced by ion movements, and transmission of information between cells. Stress on modern research techniques and on a critical examination of appropriate classical papers. **(Old No. 73.012A)**

PHPH3131 Neurophysiology **S1 L2T4**

For entry consult Head of School of Physiology and Pharmacology.

A detailed study in two broad areas, neural mechanisms in sensation and the control of posture and movement. Includes the regulation of visceral and other autonomic effector structures and the neural substrates and correlates of certain higher functions such as speech, memory and consciousness. Directed towards the experimental analysis of nervous system function, to introduce the techniques and approaches used in neurophysiological research. Sensation: an integrated lecture and experimentalcourse is given on somatic, visual and auditory sensory mechanisms. Laboratory work: students conduct psychophysical experiments to evaluate subjective sensory capabilities. The neural mechanisms underlying these subjective abilities are examined in animals in electrophysiological experiments which involve recording the impulse patterns from individual neurones within the sensory systems. Students are required to analyze the mechanisms employed by the nervous system to code information about specific parameters of sensory stimuli.

Lectures and experiments on motor function are directed towards an understanding of the various reflex and voluntary mechanisms controlling posture and movement. The section dealing with nervous control of visceral function is concerned mainly with regulation of cardiorespiratory activity. **(Old No. 73.012B)**

PHPH3142 Organ Physiology **S2 L4T8**

Prerequisites: for PHPH3121, PHPH3131, PHPH3142 normally as for PHPH3114. For entry consult Head of School of Physiology and Pharmacology.

An advanced study dealing with major physiological systems ofthe body and usually includes detailed segments from: the cardiovascular and respiratory systems; endocrines, kidney, fetalphysiology, gastrointestinal physiology and exercise physiology. Emphasis on the functions of individual organs as well as the overall operations of particular body systems including their neural control mechanisms. Emphasis on the approaches and techniques involved in physiological research. Students are therefore required to carry out an extensive series of experiments which usually employ mammalian (including human) preparations. **(Old No. 73.012C)**

PHPH3152 Pharmacology **F L2T4**

Prerequisite: PHPH2112. Co-requisites: PHPH3114 or BIOC3111 and BIOC3121 and BIOC3271 or two Level III Chemistry units.

Includes a study of the absorption, distribution and metabolism of drugs, as well as a study of the pharmacology of the autonomic nervous system, the cardiovascular system, the central nervous system, the kidney, the endocrine system and also a study of pharmacokinetics. A practical class program complements the lecture program by demonstrating a variety of basic pharmacological techniques. **(Old No. 73.022)**

PHPH2112 Physiology 1 **F L2T4**

Prerequisites: BIOS1011 and BIOS1021; CHEM1112 and CHEM1113 or CHEM1114; MATH1032 or MATH1042 or MATH1011 and MATH1021. Excluded: PHPH2122. Co-requisite: BIOC2312.

In exceptional cases Chemistry 1T will be accepted as a prerequisite in the absence of Physics 1 with the permission of the Head of School.

Introduction to fundamental physiological principles, dealing first with basic cellular function in terms of chemical and physical principles, and, second, with the operation of the various specialized systems in the body, for example, the cardiovascular system, whose function it is to transport materials to and from the tissues of the body; the respiratory system which must maintain the exchange of oxygen and carbon dioxide between the atmosphere and the blood; the gastrointestinal system which enables food materials to be modified by digestion and absorbed into the circulation; the kidney which is involved in the regulation of body fluid and electrolyte balance and with the excretion of the waste products of metabolism; the endocrine system which releases chemical messengers, called hormones, that are carried in the blood stream to regulate a great variety of body functions, eg metabolism and reproductive activity; the nervous system which by means of very rapidly propagated electrical impulses is responsible for all our movements, sensations, memories, emotions and consciousness itself. A substantialseries of practical class experiments on these different areas of physiology is included in the course. This subject is taken by students enrolled in any of the Physiology program. **(Old No. 73.111)**

Community Medicine

Servicing Subjects

These are subjects taught within courses offered by other faculties.

For further information regarding the following subjects see the Combined Sciences Handbook.

CMED8201 Population Genetics **S1 L2T3**

Prerequisite: one unit of statistical methods, or theory, as approved by the Head of School.

The genetic structure of populations: demographic structure, genetic relationships, mating systems (random and assortative mating, inbreeding, sexual selection), finite populations, systematic forces (selection, mutation, migration), genetic distance between populations, genetic load, stable populations, molecular population genetics, evolutionary trees; observed human population structures; computer methods. **(Old No. 79.201)**

CMED8202 Human Genetic Analysis **S2 L2T3**

Prerequisites: one unit of genetics and one unit of statistical methods, or theory, as approved by the Head of School.

Principles and methods of human genetics: design of surveys, including twin and family studies; estimation and applications of genic and genotypic frequencies, selective values, mutation and migration rates, coefficients of kinship, inbreeding and assortative mating, effective population

sizes, recombination fractions and heritabilities; segregation analysis; risks of recurrence of disease; genetical consequences of human intervention; computer methods. **(Old No. 79.202)**

CMED8302 Biochemical Genetics of Man **S1 L2T4**

Prerequisite: BIOC2312.

Inherited variation of blood group antigens, serum proteins and red-cell enzymes, their possible selective roles, and their application to the study of differences between and within populations. Applicaton of statistical techniques to analyzing population data. **(Old No. 79.302)**

CMED8303 Human Genetics **S1 L2 T4**

Prerequisite: BIOS2021

The principles and concepts of human genetics, appreciation of the methods used to study the nature and extent of genetic differences, present and future applications of human genetics; mechanisms of inheritance and gene expression, gene linkage and patterns of inheritance; population genetics with examples of genes of importance in human disease and the immune system; principles and applications of cytogenetics; modern molecular techniques for human gene mapping with discussion of the implications for gene expression, disease and the prospects of gene therapy; genetic fingerprinting and current ethical issues in human genetics.

Faculty of Medicine

Servicing Subject

This is a subject taught within courses offered by other faculties.

For further information regarding the following subject see the Combined Sciences Handbook.

PSCY2201 Human Behaviour **F L3**

Prerequisites: No formal prerequisites. Students may take the subject in Year 2 or Year 3 of Course 3820.

As for PSCY2101. See **Undergraduate Study: 3800 Medicine Course**, earlier in this handbook. **(Old No. 80.014)**

Graduate Study

Faculty of Medicine Graduate Enrolment Procedures

All students enrolling in graduate courses should obtain a copy of the free booklet *Re-Enrolling 1991* available from the School Offices and the Admissions Office. This booklet provides detailed information on enrolment procedures and fees, enrolment timetables by faculty and course, enrolment in miscellaneous subjects, locations and hours of cashiers and late enrolments.

Students interested in undertaking a graduate course should consult the Postgraduate Section (through the Admissions Office in the Chancellery, and/or the appropriate head of school).

Graduate Courses

At the graduate level, study for the award of the degrees of Doctor of Medicine (MD), Master of Community Health (MCH), Master of Health Personnel Education (MHPEd), Master of Paediatrics (MPaed), Master of Psychotherapy (MPsychotherapy), Master of Public Health (MPH) and Master of Surgery (MS) may be undertaken; in addition the degrees of Doctor of Philosophy (PhD), Master of Science (MSc) and Diploma of Paediatrics (DipPaed), are also offered.

Full details of the conditions of the award of these degrees are shown in this handbook under **Conditions for the Award of Higher Degrees.**

School of Community Medicine

The School offers programs of study leading to the awards of the degrees of Master of Community Health and Master of Public Health either by research or by formal course work.

2855

Master of Community Health

By Research

MCH

This course is designed for health personnel engaged in various areas of community health services and professions who wish to develop their research skills by undertaking studies leading to the award of the degree of Master of Community Health, either as full-time or part-time internal students, or as students external to the University. External candidates are required to spend a minimum of 14 weeks in the School.

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.

Appropriate areas for research include prevention and health promotion; primary health care; health of particular population groups; occupational and environmental health; epidemiology; health of the elderly; disability and rehabilitation; alcohol, smoking and drug dependence; health services and evaluation; community mental health; community genetics; or a field approved by the head of the school.

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

9020
Master of Community Health
By Formal Course Work

MCH

The course is designed to further the competence and skills of health personnel in problem-solving and practice in community health and health services, and to enhance practical skills and provide experience in epidemiological and preventive techniques, health education and promotion. A major emphasis in the course is on student activity, both individually and in small groups.

The masters degree program is a part-time course of two and a half years. Candidates are required to complete a program totalling 24 credits over four sessions, made up of 3 nominated subjects (14 credits) and 5 academic electives (10 credits). Candidates must also undertake a research project during a further session.

Nominated Subjects

Sessions 1 and 11		Hours per week
CMED9511	Epidemiology I (Methodology)	3
CMED9512	Epidemiology II (Practice)	3
CMED9513	Research and Planning (S1)	2
		8

Academic Electives

Students are required to obtain 10 credit points through elective subjects. With the approval of the Higher Degree Committee and upon recommendation of the head of the school, students may undertake relevant elective subjects offered by other Schools within the University or by other Universities or tertiary institutions. Each elective subject has two credit points. The elective subjects offered by the School of Community Medicine are listed in the following:

		Credits
CMED9600	Disability	2
CMED9611	Health of the Elderly	2
CMED9602	Health and Illness Behaviour	2
CMED9603	Communication and Writing in Health	2
CMED9604	Alcohol and Drug Related Problems	2
CMED9605	Health in Developing Countries	2
CMED9606	Women and Health	2
CMED9607	Researching Womens Health	2
CMED9608	Rural Health Studies I	2
CMED9618	Ethics in Medicine and Community Health	2

CMED9504 Project

The research project may be undertaken in the following areas: prevention and health promotion; primary health care; health of particular population groups; occupational and environmental health; epidemiology; health of the elderly; disability and rehabilitation; alcohol, smoking and drug dependence; health services and evaluation; community mental health; or in a field approved by the head of the school.

2845
Master of Public Health
(By Research)

MPH

The Master of Public Health course has been developed in response to changing health needs in the community. The program combines studies in management, development and education, in addition to the necessary knowledge of epidemiology, quantitative methods and health issues. The course integrates development of health programs with development of the people who run the programs. It embraces the skills necessary for successful change through planning, inter-personal communication and persuasion, leadership and management, as well as political and cultural sensitivity to the effects of change.

The course is a conjoint undertaking by the Schools of Community Medicine and Medical Education within the Faculty of Medicine, and the School of Health Administration within the Faculty of Professional Studies.

Facilities are available in the Schools for students to undertake research studies leading to the degree of Master of Public Health, as either full-time internal students, part-time internal students, or part-time students external to the University. Students 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. Enquiries should be directed to the Course Director.

9045
Master of Public Health
(By Formal Course Work)

MPH

The course is generally needs and problem oriented. The program for each student can, within limits, be tailor-made in terms of their disciplinary and workforce backgrounds, and their interests. It is a conjoint undertaking by the Schools of Community Medicine and Medical Education within the Faculty of Medicine, and the School of Health Administration within the Faculty of Professional Studies. Elective subjects may also be taken in other relevant schools within the University. The provision of independent studies within the three Schools also allows for the provision of highly specific subjects or small projects, given the appropriate teaching or supervisory resources.

Some areas of knowledge, skills, theoretical and conceptual bases are, however, considered necessary as a foundation for public health planning, program implementation and operation, and evaluation. These are nominated for all students unless previous formal education at an acceptable level can be demonstrated.

The course may be taken either full-time (3 academic sessions, 2 of which must be spent in formal course work within the University), or part-time (a minimum of 4 academic sessions of formal work, although the normal expectation would be 5-6 sessions).

Outline

Students are to undertake 12 two credit point subjects, which may include independent studies, and a major project to a total of 30 credit points. (Each credit point is equivalent to one class contact hour per week.)

(i) Of these 12 subjects:

2 must be chosen from Population and Methodological Studies

2 must be chosen from Health Issues Studies

1 must be chosen from Management Studies

1 must be chosen from Educational, Social and Developmental Studies

(ii) The remaining six subjects will normally be chosen from those listed as being relevant and available in the Schools of Community Medicine, Medical Education and Health Administration. Two of the six subjects may be Independent Studies in any of the three Schools (CMED9100, MEED9001, HEAL9221).

(iii) The total program of each student must be approved by the Master of Public Health Degree Committee which will be the final arbiter of course content. There are some constraints upon the choice available. For example, unless students can demonstrate adequate background in the nominated areas, they must complete courses in epidemiology, quantitative methods and management.

A major project of contemporary public health significance is to be started, by the latest, on completion of six subjects and finished by the end of the course.

The following subjects are currently offered by the School of Community Medicine (CMED), School of Medical Education (MEED) and, School of Health Administration (HEAL). *All subjects are assumed to be of equal credit value that is, two credit points.*

Population and Methodological Studies

HEAL9011 Quantitative Methods and Statistics 1
HEAL9021 Quantitative Methods and Statistics 2
HEAL9371 Research and Evaluation Methods
HEAL9411 Epidemiology
HEAL9421 Public Health
HEAL9501 Computing Techniques for Health Services Research
CMED9511 Epidemiology 1
CMED9512 Epidemiology 2
MEED9127 Research in Education for the Health Professions 1
CMED9513 Research Planning

Health Issues Studies

HEAL9221 Project (equivalent to Independent Studies)
MEED9001 Independent Studies
MEED9012 Current Approaches to Health Promotion
MEED9013 Influencing Health Beliefs and Health Behaviour
MEED9122 Primary Health Care
CMED9100 Independent Studies
CMED9600 Disability
CMED9611 Health of the Elderly
CMED9602 Health and Illness Behaviour
CMED9604 Alcohol and Drug Related Problems
CMED9605 Health in Developing Countries
CMED9606 Women and Health
CMED9607 Researching Womens Health
CMED9608 Rural Health Studies 1

Management Studies

HEAL9041 Health Care Systems
HEAL9071 Accounting and Financial Management
HEAL9301 Health Service Planning 1
HEAL9331 Health Services Law 1
HEAL9351 Health Economics 1
HEAL9701 Management A
HEAL9711 Management B
MEED9104 Organization and Management for Health Personnel Education
MEED9111 Consultation Process
MEED9112 Management of Human Resources in Health

Educational, Social and Developmental Studies

HEAL9811 Sociology, Ethics and Health
MEED9010 Understanding and Working in Communities
MEED9011 Practice in Developing Community Programs
MEED9102 Educational Process in Small Groups
MEED9108 Program Evaluation and Planned Change
MEED9125 Planning, Conducting and Evaluating Educational Workshops
CMED9603 Communications and Writing in Health
CMED9618 Ethics in Medicine and Community Health

School of Medical Education

The School offers programs of study leading to the awards of the degrees of Master of Health Personnel Education and Master of Public Health – either by research or by formal course work.

2885
Master of Health Personnel Education By Research

MHPEd

This course 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 Personnel 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.)

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 the original investigation.

9000
Master of Health Personnel Education By Formal Course Work

MHPEd

The course is designed to further the competence of health personnel educators with particular regard to the health care needs of their respective countries. A major emphasis in the course is on student activity, individually and in small groups.

The Masters Degree Course requires either one year of full-time course work plus a six-month field project or two years of part-time course work plus a six-month field project. Students are required to undertake at least four of the nominated subjects listed below, plus additional academic electives and/or independent studies to give a total of 24 credit points. (Each credit point is equivalent to one class contact hour per week.)

Nominated Subjects

Session 1		Hours per week
MEED9101	Learning and Teaching	2
MEED9102	Educational Process in Small Groups	2
MEED9103	Instructional Design	2
MEED9104	Organization and Management for Health Personnel Education	2
MEED9106	Teaching Skills	2
MEED9012	Current Approaches to Health Promotion	2
MEED9122	Primary Health Care	2
MEED9125	Planning, Conducting and Evaluating Educational Workshops	2
MEED9127	Research in Education for the Health Professions	2
Session 2		
MEED9105	Curriculum Planning	2
MEED9107	Assessment of Students	2
MEED9108	Program Evaluation and Planned Change	2
MEED9013	Influencing Health Beliefs and Health Behaviour	2
MEED9112	Managing Human Resources in Health	2

Academic Electives

Electives are designed to enable candidates to pursue their own interests or specialties by taking subjects, normally at a graduate level, at The University of New South Wales. They are chosen by the student in consultation with the head of school. Elective subjects offered by the School of Medical Education are listed below. Electives may also be chosen from graduate subjects offered by other schools of the University, in which case the approval of the head of the school concerned must be obtained.

Session 1		Hours per week
MEED9115	Educational Selection	1
MEED9116	Trends in Health Sciences Curricula	1
MEED9118	Clinical Problem-solving	1
MEED9123	Production of Audio Visual Materials	2
MEED9124	Clinical Teaching	1
MEED9010	Understanding and Working in Communities	2
Session 2		
MEED9111	The Consultation Process	2
MEED9113	Evaluation of Instructors	2
MEED9117	Explorations in Personal Learning	2
MEED9119	Clinical Decision-making	1
MEED9121	Large Group Teaching	2
MEED9126	Self-directed Learning and Self-instruction	2
MEED9128	Research in Education for the Health Professions 2	2
MEED9011	Practicum in Developing Community Projects	2

MEED9109 Project

Candidates are required, in addition to formal course work, to complete a six-month field project and report. The project is planned during the period of formal course work and carried out in the student's home institution. It should focus on an area of health personnel education relevant to the candidate's professional interests and development and to the furthering of health personnel education.

Master of Public Health

Course details for **2845 Master of Public Health (By Research)** and **9045 Master of Public Health (By Formal Course Work)** are given on page 48.

The conditions for the award of the degree of Master of Public Health are set out under **Conditions for the Award of Higher Degrees** later in this handbook.

School of Paediatrics

5500
Diploma in Paediatrics

DipPaed

The course is normally taken over 1 year on a full-time basis. Candidates are required to have an appointment in an approved children's hospital and should rotate through various paediatric specialities including neonatal paediatrics.

It must be noted that the Diploma of Paediatrics is intended for graduates who have 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 Paediatrics takes no responsibility for making such arrangements.

Candidates who have completed 12 months experience in clinical paediatrics under supervisors acceptable to the University may be exempted from the clinical experience and enrol as part-time students.

Studies in medicine including undergraduate studies do not readily conform to a sessional basis.

PAED9101 General Paediatrics 1
PAED9102 Prenatal and Perinatal Paediatrics
PAED9103 Child and Family Psychiatry
PAED9104 Clinical and Technical Skills
PAED9105 Clinical Paediatric Experience 1

9010

Master of Paediatrics

MPaed

The course is designed for candidates aiming for a career in community paediatrics or paediatric general practice. Candidates are required to hold the Diploma of Paediatrics (refer to the entry earlier in this Handbook) or equivalent degree or diploma prior to enrolment in the course. The course requires 2 years professional experience in paediatrics, and at least 1 of these 2 years must be in professional activities of a community nature outside the hospital. Candidates with professional experience in paediatrics under supervisors acceptable to the University may be exempted from part or all of the professional experience required and may elect to enrol for the course while undertaking other professional duties. A feature of the course is the wide range of activities and studies available in the second year permitting the development of a large number of special skills for future paediatric practice.

All of the following subjects are compulsory. The hours allocation is approximate:

Year 1

PAED9201 General Paediatrics 2
PAED9202 Organization of Health Services 1
PAED9203 Medical Statistics and Epidemiology
PAED9204 Clinical Paediatric Experience 2

Year 2

PAED9301 Community Pediatrics
PAED9302 Clinical Paediatric Experience 3

School of Psychiatry

9030

Master of Psychotherapy

MPsychotherapy

The course is designed to develop skills in the practice and evaluation of the range of psychotherapies, their theoretical underpinnings, their clinical applications and their researched effectiveness. The course is also designed to examine the ethical, socio-cultural, socio-political and economic issues relevant to the practice of psychotherapy. Supervised case work and experiential learning are major components of the course and are aimed at promoting an advanced level of clinical expertise in the area of specialization.

The masters degree program is a three year part-time course requiring the completion of 420 hours of course work over six sessions. Students are required to pass seven nominated subjects as well as complete academic electives. Additionally, in the final year, an elective project must be passed.

Nominated Subjects

PSCY9101 Psychotherapy 1A – Theoretical bases, developmental theories and basic techniques
PSCY9102 Psychotherapy 1B - Evaluation/Economics/ Ethics
PSCY9201 Psychodynamic Psychotherapies 1
PSCY9202 Behavioural and Cognitive Psychotherapies
PSCY9203 Family and Marital Psychotherapies
PSCY9204 Other Psychotherapies
PSCY9301 Advanced and Integrated Psychotherapy

Academic Electives

Students are required to undertake elective subjects in the third year of the course.
PSCY9302 Psychodynamic Theories 2
PSCY9303 Behavioural and Cognitive Psychotherapies 2
PSCY9304 Family and Marital Psychotherapies 2

PSCY9305 Elective Projects

The elective project, undertaken in third year, may be a research project, a major dissertation, or advanced case work. Each elective project must be approved by the Course Committee and the nominated supervisor.

Graduate Study

Subject Descriptions

Identification of Subjects

A subject is defined by the Academic Board as 'a unit of instruction approved by the University as being a discrete part of the requirements for a course offered by the University'.

In 1991 a new system of subject identification is introduced. Each approved subject of the University is identified by a sequence of eight characters, consisting of a four character alphabetical prefix which identifies the organizational unit responsible for administering the subject, and a four digit numeric suffix identifies the subject.

Subject identifiers are approved by the Registrar and the system of allocation is based on the following guidelines:

1. The authority offering the subject, normally a School of the University, is indicated by the four character alphabetical prefix.

2. Each subject identifier is unique and is not used for more than one subject title.

3. Subject numbers which have previously been used are not used for new subject titles.

Subjects taught are listed in full in the handbook of the faculty or board of studies responsible for the particular course within which the subjects are taken. Subject descriptions are contained in the appropriate section in the handbooks.

Appropriate subjects for each school appear at the end of each school section.

The **identifying alphabetical prefixes** for each organizational unit are set out on the following pages.

Servicing Subjects are those taught by a school or department outside its own faculty. Their subject descriptions are published in the handbook of the faculty which originates the subject and are also published in the handbook of the faculty in which the subject is taught. The following pages contain descriptions for most of the subjects offered for the courses described in this book, the exception being General Education subjects. For General Education subjects see the **General Education Handbook** which is available free of charge.

HSC Exam Prerequisites

Subjects which require prerequisites for enrolment in terms of the HSC Examination percentile range, refer to the **1978 and subsequent Examinations**.

Candidates for enrolment who obtained the HSC in previous years or hold other high school matriculation should check with the appropriate school on what matriculation status is required for admission to a subject.

Information Key

The following is the key to the information which may be supplied about each subject:

S1 Session 1, **S2** Session 2

F Session 1 *plus* Session 2, ie full year

S1 or S2 Session 1 or Session 2, ie choice of either session

SS single session, but which session taught is not known at time of publication

CCH class contact hours

L Lecture, followed by hours per week

T Laboratory/Tutorial, followed by hours per week

P/T part-time

hpw hours per week

wks weeks of duration

C Credit point value

CR Credit

DN Distinction

HD High Distinction

X External

Prefix	Organizational unit	Faculty
ABIO	School of Applied Bioscience	Applied Science
ACCT	School of Accounting	Commerce & Economics
ACHM	Department of Chemistry	University College
ACMA	Department of Civil Engineering	University College
ACSC	Department of Computer Science	University College
AECM	Department of Economics & Management	University College
AELE	Department of Electrical Engineering	University College
AENG	Department of English	University College
AERO	Aeronautical Engineering	Engineering
AGOC	Department of Geography & Oceanography	University College
AHIS	Department of History	University College
AINT	UniversityCollege(Interdisciplinary)	University College
AMAT	Department of Mathematics	University College
AMEC	Department of Mechanical Engineering	University College
ANAT	School of Anatomy	Medicine
APHY	Department of Physics	University College
APOL	Department of Politics	University College
APSE	Faculty of Applied Science	Applied Science
ARCH	School of Architecture	Architecture
ARTS	Faculty of Arts	Arts
ASIA	Asian Studies	Arts
AUST	Australian Studies	Arts
BIOC	School of Biochemistry	Biological & Behavioural Sciences
BIOM	Centre for Biomedical Engineering	Engineering
BIOS	School of Biological Science	Biological & Behavioural Sciences
BIOT	Department of Biotechnology	Applied Science
BLDG	School of Building	Architecture
BSSM	Board of Studies in Science & Mathematics	
CEIC	School of Chemical Engineering & Industrial Chemistry	Applied Science
CHEM	School of Chemistry	Science
CHEN	Department of Chemical Engineering	Applied Science
CHIN	Chinese	Arts
CIVL	School of Civil Engineering	Engineering
CMED	School of Community Medicine	Medicine
COFA	College of Fine Arts	
COMM	Faculty of Commerce	Commerce & Economics
COMP	Computer Science	Engineering
ECOH	Department of Economic History	Commerce & Economics
ECON	School of Economics, and Departments of Econometrics and Economics	Commerce & Economics
EDST	School of Education Studies	Professional Studies
ELEC	School of Electrical Engineering & Computer Science	Engineering
ENGL	School of English Studies	Arts
EURO	European Studies	Arts
EXPA	School of Arts and Music Education	Professional Studies
FIBR	School of Fibre Science & Technology	Applied Science
FINS	School of Banking & Finance	Commerce & Economics
FOOD	Department of Food Science and Technology	Applied Science
FREN	School of French	Arts
FUEL	Department of Fuel Technology	Applied Science
GENS	Centre for Liberal & General Studies	
GEOG	School of Geography	Applied Science
GEOL	Department of Applied Geology	Applied Science
GERS	School of German Studies	Arts
GREK	Modern Greek	Arts
GSBE	Graduate School of the Built Environment	Architecture
HEAL	School of Health Services Management	Professional Studies
HIST	School of History	Arts
HOSP	School of Marketing	Commerce & Economics
IDES	Department of Industrial Design	Architecture
INDC	Department of Industrial Chemistry	Applied Science
INDO	Indonesian	Arts
INFS	School of Information Systems	Commerce & Economics
INTD	Interdisciplinary Studies	Arts
IROB	School of Industrial Relations & Organ. Behaviour	Commerce & Economics
JAPN	School of Marketing	Commerce & Economics
KCME	Key Centre for Mines	Applied Science
LAND	School of Landscape Architecture	Architecture
LAWS	School of Law	Law
LEGT	Department of Legal Studies & Taxation	Commerce & Economics
LIBS	School of Librarianship	Professional Studies
MANF	Manufacturing Management	Engineering
MARK	School of Marketing	Commerce & Economics
MATH	School of Mathematics	Science
MATS	School of Materials Science and Engineering	Applied Science
MDCN	School of Medicine	Medicine
MDSG	Med/Surg.Clinical Studies	Medicine
MECH	School of Mechanical Eng. & Manufacturing Eng.	Engineering
MEED	School of Medical Education	Medicine
MFAC	Medical Faculty (Admin)	Medicine

Prefix	Organizational unit	Faculty
MICR	School of Microbiology	Biological & Behavioural Sciences
MINE	Department of Mining Engineering	Applied Science
MNGT	Australian Graduate School of Management	
MUSI	Department of Music	Arts
NAVL	Naval Architecture	Engineering
OBST	School of Obstetrics & Gynaecology	Medicine
OPTM	School of Optometry	Science
PAED	School of Paediatrics	Medicine
PATH	School of Pathology	Medicine
PHIL	School of Philosophy	Arts
PHPH	School of Physiology & Pharmacology	Medicine
PHYS	School of Physics	Science
PLAN	School of Town Planning	Architecture
POLS	School of Political Science	Arts
POLY	Department of Polymer Science	Applied Science
PSCY	School of Psychiatry	Medicine
PSYC	School of Psychology	Biological & Behavioural Sciences
PTRL	Department of Petroleum Engineering Studies	Applied Science
REMO	Centre for Remote Sensing	Engineering
RUSS	Department of Russian Studies	Arts
SAFE	Centre for Safety Science	Engineering Science
SCTS\ HPST	School of Science & Technology Studies	Arts
SLSP	Department of Social Science & Policy	Arts
SLST	School of Sport & Leisure Studies	Professional Studies
SOCI	School of Sociology	Arts
SOCW	School of Social Work	Professional Studies
SPAN	Spanish & Latin American Studies	Arts
SURG	School of Surgery	Medicine
SURV	School of Surveying	Engineering
TEDG	School of Teacher Education (grad)	Professional Studies
TEED	School of Teacher Education (undergrad)	Professional Studies
TESL	TESOL	Arts
TEXT	Department of Textile Technology	Applied Science
THST	Department of Theatre Studies	Arts
USOM	School of Mines	Applied Science
WOMS	Women Studies	Arts
WOOL	Department of Wool & Animal Science	Applied Science

Anatomy

Servicing Subject

This is a subject taught within a course offered by another faculty.

For further information regarding the following subject see the Engineering Handbook.

ANAT5151 Introductory Functional Anatomy

An overview of basic human anatomy and physiology with an emphasis on structures and systems which are most vulnerable to chemical and physical trauma under industrial conditions, such as the eye, ear and skin. Other systems studied include the musculo skeletal system, central and peripheral nervous systems, circulatory, respiratory, gastrointestinal, endocrine and urogenital systems. **(Old No. 70.201G)**

Pathology

Servicing Subject

This is a subject taught within a course offered by another faculty.

For further information regarding this subject see the Faculty of Engineering Handbook and the Combined Sciences Handbook.

PATH9003 Principles of Disease Processes S1 L3 C3

Prerequisites: PHPH2112 or equivalent, ANAT2111 or equivalent.

The reaction of cells to injury, the inflammatory reaction; necrosis-vascular changes and infarction; reparative processes; fracture healing; neoplasia; reaction to implants; specific processes requiring prosthetic assistance. **(Old No. 72.402G)**

Paediatrics

PAED9101 General Paediatrics 1

Growth and development. Systemic diseases in childhood. Prevention and early detection. Community services available for the care of children with various disorders. Emphasis is placed on the understanding of principles, especially physiological principles. **(Old No. 76.201G)**

PAED9102 Prenatal and Perinatal Paediatrics

Prenatal development and prenatal and perinatal experiences, which affect the growing foetus and infant. Necessary professional supervized experience is obtained by clinical attachment to appropriate hospitals. Candidates are given increasing professional responsibility. There are lectures, seminars, discussion groups and demonstrations on manikins. **(Old No. 76.202G)**

PAED9103 Child and Family Psychiatry

Family dynamics and family interactions in the causation of developmental, behavioural and emotional problems in children. Students without adequate clinical experience have a clinical attachment in paediatric psychiatry during the first two years of training. There are lectures, seminars, case conferences and assignments. **(Old No. 76.203G)**

PAED9104 Clinical and Technical Skills

Taking of medical histories, physical examination and technical procedures. Supervized professional attachments provide opportunities for learning these skills. Candidates obtain experience in diagnostic thinking and planning management. Some of the teaching is on an individual basis and some in groups. **(Old No. 76.204G)**

PAED9105 Clinical Paediatric Experience 1

Candidates are required to gain twelve months clinical experience in an approved childrens' hospital rotating through various specialties including neo-natal. (Exemptions may be granted if supported by appropriate references.) **(Old No. 76.205G)**

PAED9201 General Paediatrics 2

Includes medical emergencies, chronic diseases and team work, especially work with health professionals other than medical graduates. As well as lectures, seminars, demonstrations and discussion groups there are supervized professional experiences involving increasing professional responsibility. **(Old No. 76.002G)**

PAED9202 Organization of Health Services 1

Candidates study the resources available in the community to help children with a variety of disabilities. **(Old No. 76.006G)**

PAED9203 Medical Statistics

Learning in the undergraduate course is consolidated and candidates analyse material presented to them, particularly material encountered in journal reading. **(Old No. 76.008G)**

PAED9204 Clinical Paediatric Experience 2

As for PAED9105 and PAED9302 **(Old No. 76.020G)**

PAED9301 Community Paediatrics

Evaluation and care of children in the community especially children with physical and mental handicaps. Intends to embrace problems not frequently encountered in hospitals. May include attachments to centres outside the metropolitan area of Sydney. **(Old No. 76.009G)**

PAED9302 Clinical Paediatric Experience 3

Candidates are required to gain professional experience of a community nature outside of the general hospital environment. Because of the wide variety of appropriate appointments, candidates are advised to discuss proposed activities with the course co-ordinator. **(Old No. 76.030G)**

Psychiatry

PSCY9101 Pyschotherapy 1A – Theoretical Bases, Developmental Theories and Basic Techniques

Psychotherapy will be presented as the treatment of psychological, psychiatric or behavioural distrubance by methods which rely chiefly upon the interaction of therapist and patient. Generally these procedures rely upon the thoughts, feelings and/or behaviour patterns of an individual or of a group or family members. Very often the relationship between the therapist and patient is crucial to the therapy, or the patient's behaviour is viewed in an interpersonal context.

Students will trace the historical value of the various psychotherapies, focussing on four major strands identified in this course: psychodynamic, behavioural, family and marital, cognitive and other psychotherapies.

Psychotherapy as a multidisciplinary and multimodal procedure with the emphasis on clinical experience and application, as well as outcome research. Basic psychotherapeutic techniques will be studied and practised. Students will also examine the various theoretical underpinnings of psychotherapy, its socio-political and socio-cultural contexts, its relationship to medicine and other disciplines and issues of cost effectivess.

Developmental theories will be reviewed as they pertain to the understanding and the practice of psychotherapies including the psychological development of the individual and the family. Various models of human development will be considered, the behavioural, social learning and family systems models. The emphasis will be upon data derived from developmental studies of individuals and of families. **(Old No. 77.001G)**

PSCY9102 Psychotherapy – Evaluation/Economics/Ethics

Evaluation: Students will review historical developments in psychotherapy research and the extent to which current research methods may provide data on the efficacy of separate treatments. Confounding issues (e.g. natural remission), non-specific therapy ingredients (e.g. characteristics of the therapist) and contextual issues will be examined, both as issues affecting the course of outcome and as to how they may be evaluated and analysed in outcome research.

Broad outcome data examining the overall effectiveness of psychotherapy will be reviewed, both in the short-term and in the long-term, and the extent to which it may provide symptom relief and behavioural/personality change, as well as the effectiveness of the particular psychotherapies for particular conditions.

Economics: Mental health services in Australia will be described and the role of the medical psychotherapist defined. The economics of psychotherapy will be examined.

Ethics: The goals and responsibilities of the medical psychotherapist will be examined, the system of morality which applies, and the interface of science and ethics will be explored. **(Old No. 77.002G)**

PSCY9201 Psychodynamic Psychotherapies 1

The psychodynamic psychotherapies are those derived from Freudian or psychoanalytic theory. Three major streams will be studied:

Freudian metapsychology and its derivatives;
Object-Relations theory and its derivatives;
Self-Psychology school and its derivatives.
Emphasis will be upon clinical application and upon practical psychodynamic approaches to psychotherapy and particularly the brief therapies. **(Old No. 77.003G)**

PSCY9202 Behavioural and Cognitive Psychotherapies 1

The emphasis will be upon the selection and application of the various behavioural and cognitive therapies for specific conditions. Information will be included on the use of desensitization techniques; exposure and anxiety management in anxiety disorders; response prevention in obsessive-compulsive neurosis; treatment of sexual dysfunction and the use of aversive techniques; the behavioural/cognitive treatment of depression; the place of behavioural/cognitive treatments in the management of schizophrenia, substance abuse, marital difficulties, eating disorders and in interpersonal skills training. **(Old No. 77.004G)**

PSCY9203 Family and Marital Psychotherapies 1

Students will focus upon psychological or psychiatrtic disturbance in the context of intrafamilial or interpersonal relationships, and address symptomatic dysfunction directly aiming at briefer, more active treatment programs. The theories behind these therapies will be studied and an overview of the several theoretical orientations (e.g. systemic, structural and strategic) will be given. An emphasis will be upon the acquisition of practical skills. **(Old No. 77.005G)**

PSCY9204 Other Psychotherapies

Students will develop an overview of several other streams of psychotherapy which do not fit easily into the three major streams. These include: Interpersonal Therapies, Jungian Analytical Psychology, Existentialism, and the various psychotherapies which have been subsumed under the title of 'The Humanist Therapies'. The theoretical issues and the interrelationships of these modalities will be studied with an emphasis upon clinical applications and practical skills. **(Old No. 77.006G)**

PSCY9301 Advanced and Integrated Psychotherapy

In the final weeks of the third year, after working on their elective subjects, students will attend joint seminars and critically compare their work. This subject will offer an integrated approach to psychotherapy by examining each of the major psychiatric syndromes and delineating the treatment or the combination of treatment approaches which have been shown to be most effective. The use of multimodal, multidisciplinary psychotherapies will be illustrated (e.g. as in the management of Anorexia Nervosa which may require a behavioural in-patient program, family therapy, and ongoing individual psychotherapy). Students will have an opportunity to share their expertise and to plan co-operative treatment regimes. **(Old No. 77.007G)**

PSCY9302 Psychodynamic Psychotherapies 2

Students will focus in Year 3 upon the refinement of technical skills in the practice of these psychotherapies: making contracts, forging therapeutic alliance, utilizing transference and counter-transference phenomena, dealing with negative therapeutic reactions and with termination of therapy. The emphasis will be upon clinical effectiveness and upon the most practical and cost-effective therapies and the brief psychotherapies. **(Old No. 77.011G)**

PSCY9303 Behavioural and Cognitive Psychotherapies 2

The cognitive and behavioural therapies will be studied in greater depth and students will refine their clinical skills in the application of these therapies to specific conditions, emphasizing critical evaluation of outcomes and examining evidence concerning mode of action. Methodological and therapeutic limitations will be identified and possibilities for overcoming them. The nature of assessment and the value of techniques of assessment will be studied as well as the variables influencing response to therapy and how these variables can be conceptualized, assessed and modified. **(Old No. 77.012G)**

PSCY9304 Family and Marital Psychotherapies 2

Students will focus upon acquiring technical skills in the practice of these therapies. There will be an emphasis upon experiential learning with live interviews, video-taped interviews and role-plays. Students will aim at achieving proficiency in these methods of treatment. **(Old No. 77.013G)**

Medical Education

Health Personnel Education

MEED9001 Independent Studies

Independent studies are designed to provide opportunities for candidates to pursue interests and areas not adequately addressed in existing subjects. They are recommended particularly for candidates who wish to explore solutions to specific educational problems within their own institutions or disciplines. **(Old No. 78.000G)**

MEED9010 Understanding and Working in Communities **S1 L2**

An Academic Elective

Overview of determinants of community processes and activities. Health of individuals viewed in relation to concepts from the following disciplines: ecology, anthropology, sociology, psychology, economics, political science, etc. Principles behind community development and participation. (Old No. 79.010G)

MEED9011 Practicum in Developing Community Projects **S2 T2**

An Academic Elective

Participants design and participate in a project related to community health development in an area geographically close to the University of NSW. **(Old No. 78.012G)**

MEED9012 Current Approaches to Health Promotion **S1 L2**

An introduction to the concept of health promotion as a major component of primary health care. A theoretical framework provides the basis for an overview of the various approaches used to promote health, and allows consideration of which option to choose in different situations. **(Old No. 78.012G)**

MEED9013 Influencing Health Beliefs and Health Behaviours **S2 L2**

Consideration of behaviour change theories. Description of the processes whereby values and beliefs determine the way individuals behave; the effects of acute and chronic illness, or risk of illness on beliefs and behaviours related to health. Current interventions models which seek to influence these beliefs and behaviours. **(Old No. 78.013G)**

MEED9014 Communication and Educational for Community Health Workers Skills **S2 L2**

Emphasis on the specific communication and education skills required by health professionals working in community settings. Application of small group teaching and experiential learning approaches including interactive experiences, simulations, role plays, problem-solving exercises and opportunistic teaching methods. **(Old No. 78.014G)**

MEED9101 Learning and Teaching **S1 L2**

Focuses on the conditions which are necessary for learning and the responsibilities these imply for teaching. Stages of the process are outlined and the important factors in learning are developed within this framework. Problem-based, involving participation in workshops organized around common problems in teaching and learning. Integrates with MEED9013. **(Old No. 78.101G)**

MEED9102 Educational Process In Small Groups **S1 L2**

How people operate as members and leaders of groups; conditions underlying effective group work in educational planning, teaching and learning, and the provision of health care; basic concepts of group structure. Stress on experiential learning, observation of group process, improving skills in facilitating group learning and designing appropriate learning activities. **(Old No. 78.102G)**

MEED9103 Instructional Design **S1 L2**

Application of skills and knowledge gained in 78.101G and the development of the ability to design instruction which is optimal for various learning objectives and conditions. Critical variables in instruction are identified and discussed in relation to their implications for design of instruction. A series of workshops dealing with the design of instruction for various learning environments in the health field. **(Old No. 78.103G)**

MEED9104 Organization and Management for Health Personnel Education **S1 L2**

Students critically examine existing organizational patterns relevant to health personnel education. Emphasis is placed on the participants' experiences as members of organizations and the effect of organizations on their individual performance. Description and analysis of participants' own organizations to identify strengths, operational problems and

developmental possibilities with emphasis on managerial roles. **(Old No. 78.104G)**

MEED9105 Educational Planning **S2 L2**

Builds on the competency based model of instructional development introduced in 78.103G but looks at alternative approaches to curriculum planning; considers the factors leading to developments in curricula for the health professions, and the methods by which changes have been introduced. Emphasis on a number of institutional case studies from different health professions; the processes used in making decisions between curriculum options for new courses and in introducing changes into existing courses. **(Old No. 78.105G)**

MEED9106 Teaching Skills **S1 L2**

The practical aspects of teaching methods. Problems experienced by the candidates in their own situations. Certain theories and principles of learning as they apply to the various teaching methods studied. Emphasis is on microteaching (reinforcement, questioning, explaining). **(Old No. 78.106G)**

MEED9107 Assessment of Students **S2 L2**

The process, scope and purpose of educational evaluation. The place of student assessment within the curriculum and the concept of measurement and its requisites, leading to a review of the different types of assessment commonly used by participants to assess student learning in all its domains. The practical aspects of the designing, administration and scoring of such assessments, and attempts to identify ways of improving such procedures. The assessment of clinical performance on prescribed tasks, on tasks involving judgement, and in clinical practice involving priorities, management and responsibility. The utilization of test scores and other assessment data in educational decision-making. **(Old No. 78.107G)**

MEED9108 Program Evaluation and Planned Change **S2 L2**

Designed to help participants develop skills in planning, conduct and evaluation of educational programs. Includes: preparation of a detailed proposal for evaluation of a program; various decisions and activities undertaken in program evaluation; processes of innovation and change. **(Old No. 78.108G)**

MEED9109 Project

Provides an opportunity for the candidate to focus on an area of health personnel education relevant to the candidate's professional interests and development and to the furthering of health personnel education. **(Old No. 78.109G)**

MEED9110 Workshop in Culture, Subculture and Communication **S1 L2**

An Academic Elective. How culture controls thinking and behaviour and the meaning attached to the behaviour of others in professional/client and teacher/learner situations. The multicultural group of health professionals dealing with education uses its own intercultural experiences to reveal difficulties in communication and learning related to different teaching formats and styles, and studies the relationship between subculture and health beliefs, including the subculture of the health professions, and the relationship of health, illness and solutions to culture and subculture. **(Old No.78.110G)**

MEED9111 The Consultation Process **S2 L2**

Recommended Prerequisite: MEED9104 or equivalent. Co-requisites: MEED9108, MEED9113, MEED9112.

An Academic Elective. The subject is designed to introduce concepts and practical approaches used by consultants in the development of organisations, programs, teams and individuals. The subject will focus on the internal process of change as well as on 'third party' interventions. **(Old No. 78.111G)**

MEED9112 Managing Human Resources in Health **S2 L2**

Recommended Prerequisite: MEED9104 or equivalent.

Recommended Co-requisite: MEED9108.

The subject is designed to introduce concepts and practices pertaining to the management of human resources. Particular attention will be given to the integration of human and other resources in management and planning. The influence of social values and beliefs on the way that human resources are managed will also be considered. **(Old No. 78.112G)**

MEED9113 Evaluation of Instructors **S2 L2**

An Academic Elective. This seminar pertains to concepts, research and development in the evaluation of instructors. Emphasis on the methods by which evaluative feedback could be provided and used for the purpose of improvement of instruction. It is expected that candidates would acquire skills in the design and use of evaluation instruments which are effective in improving instruction. **(Old No. 78.113G)**

MEED9115 Educational Selection **S1 L1**

An Academic Elective. Aims to introduce participants to problems in selection of students into educational institutions. Includes definition of criteria, measurement of factors other than high school performance and establishing relationships between selection measures and performance criteria. Reviews attempts elsewhere to expand selection methods. Includes: formal selection procedures (job analysis and definition of competencies, predictor and criteria developments, methods of validation); common instruments used for selection in the medical and health fields; development and use of attitude measurements; problems of cross-cultural transfer of selection measures; and innovations in selection for medical education. **(Old No. 78.115G)**

MEED9116 Trends in Health Sciences Curricula **S1 L1**

An Academic Elective. Supplements MEED9105 Educational Planning. Trends in health sciences curricula such as integrated curricula, emphasis on community medicine, introduction of social and behavioural sciences, elective programs, early patient contact, nutrition education, problem-solving approaches and accelerated programs. Particular trends studied depend on interests of participants. Literature review in a circumscribed area, dealing with the nature of the trend, factors which determine it, its advantages and disadvantages, and pitfalls in implementation. Discussion of specific case studies and personal experience. **(Old No. 78.116G)**

MEED9117 Explorations in Personal Learning **S2 L2**

An Academic Elective. Theoretical and practical aspects of adult learning with the aim of relating research findings to the practicalities of teaching undergraduates. Stress on the exploration of the group's own prior learning experiences and individual responses to classroom events. Aims mainly to increase each participant's understanding of the major factors involved in adult learning and to apply this to their own teaching activities, with some stress on the nature of the connections between teaching and learning and the skills required to monitor teaching activities. Topics include: learning environments, the role of the emotions, motivation, the influence of assessment, the effects of different teaching styles, teacher and course characteristics. **(Old No. 78.117G)**

MEED9118 Clinical Problem Solving **S1 L1**

An Academic Elective. How clinicians sort out illness situations, explore problems, interpret unreliable data and classify an illness as a disease diagnosis. The structure of clinical problems and of clinical memory, diagnostic strategies, effectiveness and efficiency, investigation and the value of information, Bayesian calculation, and the nature of clinical judgement. Clinical, educational and research implications of empirical studies of professional/client interaction. **(Old No. 78.118G)**

MEED9119 Clinical Decision Making **S2 L1**

An Academic Elective. Rational choice in investigation and management of clinical problems. Calculation of value of tests, assessing their effectiveness and efficiency, choosing 'next best test', calculating likelihoods of diagnoses, confidence, risk-taking, estimating likely outcomes and their importance, decision analysis, expected utility, subjective and objective probabilities, threshold influences, optimizing or satisficing, minimax and maximax approaches, judgement. **(Old No. 78.119G)**

MEED9121 Large Group Teaching **S2 L2**

An Academic Elective. The process of explaining considered central to large group teaching; analysis of this process, dealing with the qualities and components of effective explaining. The types of lectures ranging from didactic to inductive, and the various ways in which lectures are structured, leading to an examination of the relationship between lecturing and learning. Strategies for improvement of lectures, and alternatives to lectures. **(Old No. 78.121G)**

MEED9122 Primary Health Care **S2 L2**

The concept of primary health care and its emergence as the priority health care approach in developing countries. Emphasis on the training implications of primary health care programs together with different definitions of the concept including the role of primary health care in social and economic development, and its relationship to existing health care systems. **(Old No. 78.122G)**

MEED9123 Production of Audio Visual Materials **S1 L2**

An Academic Elective. The use of audio visual materials and equipment; production of software (charts, transparencies, slides, film, videotape and audiotape); principles guiding the selection of teaching aids for self-paced learning, teaching in small groups and large group presentation. A major requirement for assessment is the selection and preparation of instructional media appropriate to a specific teaching situation in the participant's base institution. **(Old No. 78.123G)**

MEED9124 Clinical Teaching **S1 L1**

An Academic Elective. Drawing upon real life clinical practice and observing teaching sessions of their own, their peers and others, participants have the opportunity to explore the nature of clinical teaching and learning in selected programs, and to identify ways of improving teaching skills and maximising students' learning. Research in clinical teaching and it relation both to educational theory and to current practice. **(Old No. 78.124G)**

MEED9125 Planning, Conducting and Evaluating Educational Workshops **S1 L1**

In an attempt to develop their skills in all aspects of conducting workshops, participants are guided to formulate a plan for workshop for their colleagues in an important educational area, with opportunity to practise various techniques for enhancing active participation, and subsequently to conduct the workshop, evaluate its process and outcomes, and report on it. **(Old No. 78.125G)**

MEED9126 Self Directed Learning and Self Instruction **S2 L2**

An Academic Elective. Options which are available for the teacher to assist students to develop skills in self education. Requires students to undertake self directed study and to negotiate a learning contract with the instructor. Topics may include: adapting instruction to individual differences, principles and practices of self instruction, applying self directed learning in traditional courses, and contexts for informal learning such as continuing education, in-service training and distance education. **(Old No. 78.126G)**

MEED9127 Research in Education for the Health Professions 1 **S1 L2**

Enables participants to become aware of 'ways of knowing', in general, and of the scientific method in particular. Different methods of educational research examined in depth so that the method(s) most appropriate to given research problems can be selected. Participants develop skills in evaluating research papers exemplifying the different methods. **(Old No. 78.127G)**

MEED9128 Research in Education for the Health Professions 2 **S2 L2**

Prerequisite: MEED9127 or equivalent.

An Academic Elective. Raises awareness of current research interests in education for each of the health professions from which participants come and of the problems encountered in conducting an educational research project. Participants are

expected to plan, conduct and report a pilot project in education. **(Old No. 78.128G)**

Community Medicine

CMED9100 Independent Studies

Independent studies are designed to provide opportunities for candidates to pursue interests and areas not adequately addressed in existing subjects. They are recommended particularly for candidates who wish to explore specific community health problems within their own communities or areas. **(Old No. 79.100G)**

CMED9511 Epidemiology 1 (Methodology)

Sampling and sample size determination, common sources of bias, statistical and data distributions, data display, life tables, standardisation methods, testing means and proportions, contingency tables and goodness of fit tests, simple regression and correlation, multiple regression and discriminative analysis, analysis of variances, interpretation of data and concepts of causality. **(Old No. 79.511G)**

CMED9512 Epidemiology 2 (Practice)

Critical evaluation of research, literature and practical research skills. Research methods, survey, retrospective and prospective studies, randomised controlled trials, research and analysis. Collecting, coding and analysing data, and applying computer methods in research. prepares students for subsequent work on their selected research topic for their project. Application of methods to health programs, such as preparing objectives, planning a data base, data collection and analysis, criteria for evaluation, education and training of personnel. **(Old No. 79.512G)**

CMED9513 Research Planning

Using the knowledge and techniques acquired in Epidemiology, students prepare and present for their research project. Students critically evaluate model research plans and the projects proposed by other students in the course. **(Old No. 79.503G)**

Electives

CMED9600 Disability

Epidemiology of disabling physical and mental conditions; the nature of disability and handicap (including developmental disability); perceptions of handicap; disabled persons' consumer movement and organisation; sociology of disability; social inequality and disability; rehabilitation; community and specialist rehabilitation services; relevant legislation, government services, special needs of disabled persons – health accommodation and the physical environment, transport, work, income support, legal rights and public policy. **(Old No. 79.600G)**

CMED9601 Health of the Elderly

Demography of ageing; epidemiology of health, illness and disability in an ageing population; 'aged persons' perspectives; gerontology – biological, sociological and psychological perspectives; problems and special needs of an ageing population; health maintenance; health policy for an ageing population; health services; institutional care; community and domiciliary services; non-government organisations; poverty; community attitudes; accommodation; income support; social and ethical issues. **(Old No. 79.601G)**

CMED9602 Health and Illness Behaviour

Self-care, personal health action and help-seeking behaviour; attitudes and beliefs about health and illness; media influences and sources of health advice; the media and public health; coping with illness, stress, anxiety, loss or bereavement; the sick role; expectations of health care; counselling techniques; doctor-patient communication; psychological, social and ethnic factors influencing health behaviour; health education and promotion; community mental health; rehabilitation; concepts and strategies. **(Old No. 79.602G)**

CMED9603 Communications and Writing in Health

Writing and preparation for the media; preparation of material for health education and promotion, including audiovisual material; preparation of scientific papers, reports and theses; practical skills in planning and writing articles: logical organisation, clear and concise scientific prose; presentation of data and overall layout. **(Old No. 79.603G)**

CMED9604 Alcohol and Drug Related Problems

Concepts of drug dependence, including pharmacological aspects; management of these problems in primary care; rehabilitation programmes, smoking cessation; weight control; social and psychological factors and their impact on the family; drug problems and their impact on the community; public health aspects; population indices and surveillance; control programmes; legislation; law enforcement; medical and legal aspects of drug dependence. **(Old No. 79.604G)**

CMED9605 Health in Developing Countries

Economic, demographic and epidemiological aspects; communicable diseases, for example, diarrhoea and parasitism, chronic diseases including mental health in the Third World context; maternal and child health; family planning; nutrition, and food and nutrition policy; breast feeding promotion; immunisation; water supply and environmental sanitation; organisation of health services; primary health care; health personnel training; health education; pharmaceutical problems; role of international and non-governmental agencies; self-reliance. **(Old No. 79.605G)**

CMED9606 Women and Health

Current issues relevant to the health of women, both consumer and provider perspectives. Common health risks facing women. Special needs in health and health care for particular populations of women. Traditional role of women as health carers, and the impact this has on health and health services. Short lectures, group discussions and student presentations. Assessment is a combination of marks given in written tutorial papers, end of session essay and group facilitation and class participation. **(Old No. 79.606G)**

CMED9607 Researching Womens Health **S2**

Examines the socio-cultural aspects of women's health. Emphasis will be on reading and critically examining recent social, behavioural science, public health and primary care literature. Case studies will be used to look at determinants of women's health, woman and health care systems, promoting women's health, and woman and disability. **(Old No. 79.607G)**

CMED9608 Rural Health Studies 1

Examine roles, needs, and particular health and welfare issues of rural general practitioner services; explore methods for professional development of rural GPs; study public health issues of particular relevance to rural general practice; study data collection and analysis to help identify rural health problems, their management and prevention; plan and evaluate the promotion of health, and prevention of disease through individual and community health education programs in rural communities.

CMED9616 Occupational Epidemiology **S1 L3 C3**

Prerequisite: HEAL9011 or equivalent.
Prerequisite or co-requisite: CMED9701 or equivalent.

Epidemiology – the narrow sense, historical development. Genes and environment in human variation. Basic demography. Perceptions of 'disease' - professional and lay. Sources of data in occupational epidemiology. Survey design and applications. Screening. Recording of data - graphical, tabular, parametric. Registers. Computer hardware and software in occupational epidemiology. Bias and its control. Confounding factors. Morbidity, mortality, life tables. Analysis of epidemiological data. Interpretation of results. Quantification of risk. Investigation of observed associations. Causation. **(Old No. 79.616G)**

CMED9617 Occupational Medicine Practice **F C6**

Prerequisite: Approved medical degree, CMED9702 and CMED9616 or equivalent

Provides experiential learning for those medical graduates undertaking the MSafetySc course who intend to join the College of Occupational Medicine. Students visit industrial sites and centres for occupational health control. A comprehensive series of reports on investigations at these visits is required. It is expected that this subject will be taken towards the end of the MSafetySc course. **(Old No. 79.617G)**

CMED9618 Ethics in Medicine and Community Health

Principles and theories of medical ethics are examined in relation to current ethical issues in medicine and community health. Topics include ethical issues in: artificial birthing techniques; resource allocation; termination of life sustaining treatment; drug and alcohol provision and treatment; human experimentation and epidemiological research; aboriginal health care research and delivery; and accountability of health professionals.

Reading is required in preparation each week. The subject is conducted by seminar in which invited speakers give a brief presentation and students contribute from their reading. Assessment is based on student presentation on 2 or 3 of the seminar topics and an end of session essay. **(Old No. 79.618G)**

Servicing Subjects

These are subjects taught within courses offered by other faculties.

For further information regarding the following subjects see the Faculty of Engineering Handbook. **(Old No. 79.618G)**

CMED9701 Occupational Disease **S2L3 C3**

Prerequisite: ANAT5151 or equivalent.

Physical environment and disease: Musculoskeletal system, physical trauma; heat and cold, burns, electric shock; radiation; pressure, vibration, noise, hearing. *Chemical environment and disease:* Metallic poisons, toxic compounds, gaseous poisons, carcinogens, allergens. *Microbial environment and disease.Systems approach*: Gastrointestinal tract; renal system; central and peripheral nervous systems; visual system, respiratory system, airbone particulates; skin. **(Old No. 80.701G)**

CMED9702 Occupational Health Control **S1L3 C3**

Prerequisite: CMED9701 or equivalent.

Introduction; dose response; risk, codes of safe practice; protection of the worker; design of safe workplace; protective equipment; occupational health surveillance; epidemiology; occupational safety program; emergency arrangements; environmental health; non-occupational safety; safety services. **(Old No. 80.702G)**

Graduate Study

Conditions for the Award of Higher Degrees

First Degrees

Rules, regulations and conditions for the award of first degrees are set out in the appropriate Faculty Handbooks.
For the list of undergraduate courses and degrees offered see Table of Courses by **Faculty (Undergraduate Study)** in the Calendar.

Higher Degrees

The following is the list of higher degrees and graduate diplomas of the University, together with the publication in which the conditions for the award appear.
For the list of graduate degrees by research and course work, arranged in faculty order, see **Table of Courses (by faculty): Graduate Study** in the Calendar.

For the statements **Preparation and Submission of Project Reports** and **Theses for Higher Degrees** *and* **Policy with respect to the Use of Higher Degree Theses** see later in this section.

Higher Degrees

Title	Abbreviation	Calendar/Handbook
Doctor of Science	DSc	Calendar
Doctor of Letters	DLitt	Calendar
Doctor of Laws	LLD	Calendar
Doctor of Medicine	MD	Calendar Medicine
Doctor of Philosophy	PhD	Calendar and all handbooks
Master of Applied Science	MAppSc	Applied Science
Master of Architectural Design	MArchDes	Architecture
Master of Architecture	MArch	Architecture
Master of Archives Administration	MArchivAdmin	Professional Studies
Master of Arts	MA	Arts University College
Master of Biomedical Engineering	MBiomedE	Engineering
Master of Building	MBuild	Architecture
Master of the Built Environment	MBEnv	Architecture

Higher Degrees (continued)

Title	Abbreviation	Calender/Handbook
Master of the Built Environment (Building Conservation)	MBEnv	Architecture
Master of Business Administration	MBA	AGSM
Master of Chemistry	MChem	Sciences*
Master of Cognitive Science	MCogSc	Arts
Master of Commerce (Honours)	MCom(Hons)	Commerce & Economics
Master of Commerce	MCom	Commerce & Economics
Master of Community Health	MCH	Medicine
Master of Education	MEd	Professional Studies
Master of Educational Administration	MEdAdmin	Professional Studies
Master of Engineering	ME	Applied Science Engineering University College
Master of Engineering without supervision	ME	Applied Science Engineering
Master of Engineering Science	MEngSc	Engineering Applied Science University College
Master of Environmental Studies	MEnvStudies	Applied Science
Master of Health Administration	MHA	Professional Studies
Master of Health Personnel Education	MHPEd	Medicine
Master of Health Planning	MHP	Professional Studies
Master of Industrial Design	MID	Architecture
Master of Landscape Architecture	MLArch	Architecture
Master of Landscape Planning	MLP	Architecture
Master of Laws	LLM	Law
Master of Librarianship	MLib	Professional Studies
Master of Management Economics	MMgtEc	University College
Master of Mathematics	MMath	Sciences*
Master of Music	MMus	Arts
Master of Nursing Administration	MNA	Professional Studies
Master of Optometry	MOptom	Sciences*
Master of Paediatrics	MPaed	Medicine
Master of Physics	MPhysics	Sciences*
Master of Project Management	MPM	Architecture
Master of Public Health	MPH	Medicine Professional Studies
Master of Psychology (Applied)	MPsychol	Sciences
Master of Psychology (Clinical)	MPsychol	Science
Master of Psychotherapy	MPsychotherapy	Medicine
Master of Safety Science	MSafetySc	Engineering
Master of Science	MSc	Applied Science Architecture Engineering Medicine Sciences* University College
Master of Science *without supervision*	MSc	Applied Science Architecture Engineering

Title	Abbreviation	Calender/Handbook	Higher Degrees (continued)
Master of Science *without supervision* (continued)	MSc	Medicine Sciences* University College	
Master of Science (Acoustics)	MSc(Acoustics)	Architecture	
Master of Science (Industrial Design)	MSc(IndDes)	Architecture	
Master of Science and Society	MScSoc	Arts	
Master of Social Work	MSW	Professional Studies	
Master of Statistics	MStats	Sciences*	
Master of Surgery	MS	Medicine	
Master of Surveying	MSurv	Engineering	
Master of Surveying *without supervision*	MSurv	Engineering	
Master of Surveying Science	MSurvSc	Engineering	
Master of Town Planning	MTP	Architecture	
Master of Welfare Policy	MWP	Professional Studies	
Graduate Diploma	GradDip	Applied Science Architecture Engineering Sciences*	**Graduate Diploma**
	DipPaed	Medicine	
	DipEd DipIM-ArchivAdmin DipIM-Lib	Professional Studies	
	DipFDA	Sciences*	

*Faculty of Science.

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 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 Bill of Rights for postgraduate research students.

(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 or supervisors 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 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:

(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 at the further work 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 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 work, 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 be permitted to resubmit the thesis after a further period of study and/or research.

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

Fees

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.

Doctor of Medicine (MD) ***by published work***

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.

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. The discourse shall make clear the extent of the originality of the work and the candidate's part in any collaborative effort.

5. There shall normally be three examiners of the work, appointed by the Academic Board on the recommendation of 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.

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

* Or department where a department is not within a school or schools or departments where the research is being undertaken in more than one school or department.

** 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.

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 adequate supervision and facilities are available.

(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 or at one of its teaching hospitals;

(b) part-time candidature: 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 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 full-time academic 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 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.

* Or department where a department is not within a school, or schools or departments where the research is being undertaken in more than one school or department..

(2) If a candidate for the degree is not a graduate of the University of New South Wales the greater proportion of the work described must have been carried out in the University or in one of its teaching hospitals, save that in special cases the Committee may permit a candidate to conduct the work at other places where special facilities not possessed by the University may be available or where the subject of the research is uniquely located but only if the candidate spends such period of time within the University, and under such supervision, as may be determined by the Committee.

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

(4) 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.

(5) 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.

(6) 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 benefitted from collaboration with persons other than the supervisor.

(7) 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.

(8) 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 Academic Board on the recommendation of 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 re-present 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.

Fees

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

Doctor of Medicine (MD) by *thesis without supervision*

1. The degree of Doctor of Medicine by thesis without supervision 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 contrisupervision bution to some branch of medicine.

* Or department where a department is not within a school, or schools or departments where the research is being undertaken in more than one school or department..

Qualifications

2. A candidate for the degree shall hold the degrees of Bachelor of Medicine and Bachelor of Surgery from the University of New South Wales with at least five years standing at a level acceptable to the Committee.

Enrolment and Progression

3. An application to enrol as a candidate for the degree by thesis without supervision shall be made on the prescribed form which shall be lodged with the Registrar not less than six months before the intended date of submission of the thesis. A graduate who intends to apply in this way should, in his or her own interest, at an early stage seek the advice of the appropriate school* with regard to the adequacy of the subject matter and its presentation for the degree. A synopsis of the work should be available.

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 with 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 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 the collaboration with other persons.

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

(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 normally be three examiners of the thesis, appointed by the Academic Board on the recommendation of the Committee, at least two of whom shall be external to the University.

(2) Before the thesis is submitted to the examiners the head of the school* in which the candidate is enrolled shall certify that it is prima facie worthy of examination.

(3) After examining the thesis 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.

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

(5) 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 be required to pay such fees as may be determined from time to time by the Council.

* Or department where a department is not within the school or schools or departments where the research is being undertaken in more than one school or department.e supervision and facilities are available.

Master of Community Health (MCH) by Research

1. The degree of Master of Community Health 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 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, or

(b) have been awarded an appropriate degree of Bachelor of at least 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.

(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 ius not satisfied with the qualifications submittted bby an applicant the Committee may requuire the applicant to undergo such assessment or carry out such work as the Committee may prescribe, before permitting enrolment.

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 Academic 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 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 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 work shall be carried out under the direction of a supervisor appointed from the full-time academic 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 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.

(8) A full-time candidate for the degree shall present for examination not later than four 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.

Thesis

4. (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.

* Or department where a department is not within a school., or schools or departments where the research is being undertaken in more than one school or department.

(5) Three copies of the thesis shall be presented in a form which compiles 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

5. (1) There shall be not fewer than two examiners of the thesis, appointed by the Academic Board on the recommendation of 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 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 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

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

Master of Community Health (MCH) by Formal Course Work

1. The degree of Master of Community Health by formal course work may be awarded by the Council to a candidate who has satisfactorily completed a program of advanced study.

Qualifications

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

(a) 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 Higher Degree Committee of the Faculty of Medicine (hereinafter referred to as the Committee), or

(b) have been awarded an appropriate degree of Bachelor of at least 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.

(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 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 two calendar months before the commencement of the session in which enrolment is to begin.

(2) A candidate for the degree shall be required to undertake such formal subjects and pass such assessment as prescribed.

*Or department where a department is not within a school, or schools or departments where the research is being undertaken in more than one school or department.

(3) The progress of a candidate shall be reviewed at least once annually by the Committee and as a result of its review the Committee may cancel enrolment or take such other action as it considers appropriate.

(4) No candidate shall be awarded the degree until the lapse of two academic sessions from the date of enrolment in the case of a full-time candidate or four sessions in the case of a part-time candidate. The maximum period of candidature shall be four academic sessions from the date of enrolment for a full-time candidate and eight sessions for a part-time candidate. In special cases an extension of these times may be granted by the Committee.

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

1. The degree of Master of Health Personnel 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. **Master of Health Personnel Education (MHPEd) by Research**

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

(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.

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. **Enrolment and Progression**

(2) In every case, before permitting a candidate to enrol, the Head of the School of Medical Education (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 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 work shall be carried out under the direction of a supervisor appointed from the full-time academic 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 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.

*Or department where a department is not within a school or schools or departments where the research is being undertaken in more than one school or department.

(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 eight 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 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

5. (1) There shall be not fewer than two examiners of the thesis, appointed by the Academic Board on the recommendation of 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 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 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. Ift 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.

Master of Health Personnel Education (MHPEd) by Formal Course Work

Qualifications

1. The degree of Master of Health Personnel Education by formal course work may be awarded by the Council to a candidate who has satisfactorily completed a program of advanced study.

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

(a) 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 Higher Degree Committee of the Faculty of Medicine (hereinafter referred to as the Committee), or

* Or department where a department is not within a school or schools or departments where the research is being undertaken in more than one school or department.

(b) have been awarded an appropriate degree of Bachelor of at least 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.

(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.

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 two calendar months before the commencement of the session in which enrolment is to begin. **Enrolment and Progression**

(2) A candidate for the degree shall be required to undertake such formal subjects and pass such assessment as prescribed.

(3) The progress of a candidate shall be reviewed at least once annually by the Committee and as a result of its review the Committee may cancel enrolment or take such other action as it considers appropriate.

(4) No candidate shall be awarded the degree until the lapse of two academic sessions from the date of enrolment in the case of a full-time candidate or four sessions in the case of a part-time candidate. The maximum period of candidature shall be four academic sessions from the date of enrolment for a full-time candidate and eight sessions for a part-time candidate. In special cases an extension of these times may be granted by the Committee.

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

1. The degree of Master of Paediatrics by formal course work may be awarded by the Council to a candidate who has satisfactorily completed a program of advanced study. **Master of Paediatrics (MPaed)**

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

(a) 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 Higher Degree Committee of the Faculty of Medicine (hereinafter referred to as the Committee), and

(b) have had at least one year's hospital experience subsequent to graduation 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.

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 two calendar months before the commencement of the session in which enrolment is to begin. **Enrolment and Progression**

(2) A candidate for the degree shall be required to undertake such formal subjects and pass such assessment as prescribed.

(3) The progress of a candidate shall be reviewd at least once annually by the Committee and as a result of its review the Committee may cancel enrolment or take such other action as it considers appropriate.

(4) No candidate shall be awarded the degree until the lapse of six academic sessions from the date of enrolment. The maximum period of candidature shall be eight academic sessions from the date of enrolment. In special cases an extension of time may be granted by the Committee.

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

1. The degree of Master of Psychotherapy by formal course work may be awarded by the Council to a candidate who has satisfactorily completed a program of advanced study. **Master of Psychotherapy (MPsychotherapy)**

Qualifications

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

(a) 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 Higher Degree Committee of the Faculty of Medicine (hereinafter referred to as the Committee), and

b) have had at least three years full-time experience in a formal program of postgraduate study and practice of psychiatry or 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 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 two calendar months before the commencement of the session in which enrolment is to begin.

(2) A candidate for the degree shall be required to undertake such formal subjects and pass such assessment as prescribed.

(3) The progress of a candidate shall be reviewd at least once annually by the Committee and as a result of its review the Committee may cancel enrolment or take such other action as it considers appropriate.

(4) No candidate shall be awarded the degree until the lapse of six academic sessions from the date of enrolment. The maximum period of candidature shall be eight academic sessions from the date of enrolment. In special cases an extension of time may be granted by the Committee.

Fees

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

Master of Public Health (MHP) 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 institutin 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 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 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 academic 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 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.

(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 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

5. (1) There shall be not fewer than two examiners of the thesis, appointed by the Academic Board on the recommendation of 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 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. Ift 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.

Master of Public Health by Formal Course Work

1. The degree of Master of Public Health by formal course work may be awarded by the Council to a candidate who has satisfactorily completed a program of advanced study.

Qualifications

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

(a) have been awarded the 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 Higher Degree Committee of the appropriate faculty (hereinafter referred to as the Committee), or

(b) 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 assessment or carry out such work as the Committee may prescribe, before permitting enrolment.

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 on or before a date to be fixed by the Committee, that date being at least two calendar months before the commencement of the session in which enrolment is to begin.

(2) A candidate for the degree shall be required to undertake such formal subjects and pass such assessment as prescribed.

(3) The progress of a candidate shall be reviewed at least once annually by the Committee and as a result of its review the Committee may cancel enrolment or take such other action as it considers appropriate.

(4) 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 six sessions in the case of a part-time candidate. The maximum period of candidature shall be six academic sessions from the date of enrolment for a full-time candidate and ten sessions for a part-time candidate. In special cases an extension of these times may be granted by the Committee.

Fees

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

Master of Engineering (ME) and Master of Science (MSc)

1. The degree of Master of Engineering or 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 Progressiohn

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 intents 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.

* Or department where a department is not within a school or schools or departments where the research is being undertaken in more than one school or department.

(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 Academic Board on the recommendation of 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.

* Or department where a department is not within a school or schools or departments where the research is being undertaken in more than one school or department.

Fees

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

Master of Engineering (ME), Master of Science (MSc) and Master of Surveying (MSurv) *without supervision*

Qualifications

1. The degree of Master of Engineering or Master of Science or Master of Surveying without supervision 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 of has demonstrated ability to undertake research by the submission of a thesis embodying the results of an original investigation.

2. A candidate for the degree shall have been awarded an appropriate degree of Bachelor from Qualifications the University of New South Wales with at least three years relevant standing in the case of Honours graduates and four years relevant standing in the case of Pass graduates, and at a level acceptable to the Committee.

Enrolment and Progression

3. An application to enrol as a candidate for the degree without supervision shall be made on the prescribed form which shall be lodged with the Registrar not less than six months before the intended date of submission of the thesis. A graduate who intends to apply in this way should in his or her own interest, seek at an early stage the advice of the appropriate head of school with regard to the adequacy of the subject matter and its presentation for the degree. A synopsis of the work should be available.

Thesis

4. (1) 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 aboutthe extend 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

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

(2) Before the thesis is submitted to the examiners the head of the school* in which the candidate is enrolled shall certify that it is prima facie worthy of examination.

(3) 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 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.

(4) If the performance at the further examination recommended under (3)(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 further examination as determined by the Committee within a period specified by it but not exceeding eighteen months.

(5) 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.

* Or department where a department is not within a school or schools or departments where the research is being undertaken in more than one school or department. the extent of the candidate's part in the joint research.

Fees

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

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.

(2) In exceptional cases an applicant who submits evidence of such other academic and professional qualifications as may be approved by the Committe 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.

(4) A candidate enrolled under (1) 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.

(5) A candidate enrolled under (2) 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 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 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 candidature: 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 undertake, or have undertaken prior to enrolment for the degree, a broad postgraduate training in the principles and practice of surgery over a period of at least three full-time years of a kind acceptable to the Committee.

(5) 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.

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

(7) Either the original work embodied in the thesis or the broad postgraduate training in the principles and practice of surgery shall have been undertaken at the University or at one of its teaching hospitals.

(8) 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.

(9) 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.

* Or department where a department is not within a school or schools or departments where the research is being undertaken in more than one school or department..

(10) 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.

Thesis

4. (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

5. (1) There shall be not fewer than three examiners of the thesis, appointed by the Academic Board on the recommendation of 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 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 Commitee; or

(d) the candidate be not awarded the degree but be permitted to resubmit the thesis in a revised form after the 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 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

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

Graduate Diploma
Graduate Diploma in Paediatrics (DipPaed)

1. The Graduate Diploma in Paediatrics may be awarded by the Council to a candidate who has satisfactorily completed a program of advanced study.

Qualifications

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

(a) 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 Higher Degree Committee of the Faculty of Medicine (hereinafter referred to as the Committee), and

(b) have had at least one year's hospital experience subsequent to graduation of a kind acceptable to the Committee.

*Or department where a department is not within a school or schools or departments where the research is being undertaken in more than one school or department.

(2) 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 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 two calendar months before the commencement of the session in which enrolment is to begin.

(2) A candidate for the diploma shall be required to undertake such formal subjects and pass such assessment as prescribed.

(3) The progress of a candidate shall be reviewed at least once annually by the Committee and as a result of its review the Committee may cancel enrolment or take such other action as it considers appropriate.

(4) No candidate shall be awarded the diploma until the lapse of two academic sessions from the date of enrolment in the case of a full-time candidate or four sessions in the case of a parttime candidate. The maximum period of candidature shall be four academic sessions from the date of enrolment for a full-time candidate and six sessions for a part-time candidate. In special cases an extension of time may be granted by the Committee.

Fees

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

Scholarships and Prizes

The scholarships and prizes listed below are available to students whose courses are listed in this handbook. Each faculty handbook contains in its **Scholarships and Prizes** section the scholarships and prizes available with that faculty. The **General Information** section of the Calendar contains a comprehensive list of scholarhips and prizes offered throughout the University.

Scholarships

Undergraduate Scholarships

Listed below is an outline only of a number of scholarships available to students. Full information may be obtained from the Student Centre located on the Lower Ground Floor of the Chancellery.

Unless otherwise indicated in footnotes, applications for the following scholarships should be made to the Registrar and Deputy Principal by 14 January each year. Please note that not all of these awards are available every year.

Donor	Value	Year/s of Tenure	Conditions
General			
Bursary Endowment Board*	$200 pa	Minimum period of approved degree/ combined degree course	Merit in HSC and total family income not exceeding $6000
Sam Cracknell Memorial	Up to $3000 pa payable in fortnightly instalments	1 year	Prior completion of at least 2 years of a degree or diploma course and enrolment in a full-time course during the year of application; academic merit; participation in sport both directly and administratively; and financial need.
Girls Realm Guild	Up to $1500 pa	1 year renewable for the duration of the course subject to satisfactory progress and continued demonstration of need	Available only to female students under 35 years of age who are permanent residents of Australia enrolling in any year of a full-time undergraduate course on the basis of academic merit and financial need.

*Apply to The Secretary, Bursary Endowment Board, PO Box 460, North Sydney 2060, immediately after sitting for HSC.

Undergraduate Scholarships (continued)

Donor	Value	Year/s of Tenure	Conditions
General (continued)			
W.S. and L.B. Robinson**	Up to $4200 pa	1 year renewable for the duration of the course subject to satisfactory progress	Available only to students who have completed their schooling in Broken Hill or whose parents reside in Broken Hill; for a course related to the mining industry. Includes courses in mining engineering, geology, electrical and mechanical engineering, metallurgical process engineering, chemical engineering and science.
Alumni Association	Up to $1500 pa	1 year with the possibility of renewal	Available to students enrolled in any year of a full-time course. Candidates must be the children of Alumni of the University of NSW and may be either permanent residents of Australia or overseas students.

**Applications close 30 September each year.

Graduate Scholarships

Application forms and further information are available from the Student Centre, located on the Ground Floor of the Chancellery unless an alternative contact address is provided. Information is also available on additional scholarships which may become available from time to time, mainly from funds provided by organizations sponsoring research projects.

The following publications may also be of assistance: **1.** *Awards for Postgraduate Study in Australia and Awards for Postgraduate Study Overseas,* published by the Graduate Careers Council of Australia. PO Box 28, Parkville, Victoria 3052;* **2.** *Study Abroad,* published by UNESCO;* **3.** *Scholarships Guide for Commonwealth Postgraduate Students,* published by the Association of Commonwealth Universities.*

Details of overseas awards and exchanges administered by the Department of Employment, Education and Training can be obtained from: Awards and Exchanges Section, Department of Employment, Education and Training, PO Box 826, Woden, ACT 2606.

Where possible, the scholarships are listed in order of faculty.

*Available for reference in the University Library.

Donor	Value	Year/s of Tenure	Conditions
General			
University Postgraduate Research Scholarships	Living allowance of $13,504 pa. Other allowances may also be paid. Tax free.	1-2 years for a Masters and 3-4 years for a PhD degree	Applicants must be honours graduates or equivalent. Applications to Dean of relevant Faculty.
Commonwealth Postgraduate Research Awards	$13,504 to $17,427		Applicants must be honours graduates or equivalent or scholars who will graduate with honours in current academic year, and who are domiciled in Australia. Applications to Registrar by 31 October.

Graduate Scholarships (continued)

General (continued)

Donor	Value	Year/s of Tenure	Conditions
Commonwealth Postgraduate Course Awards	Living allowance of $10,903 pa. Other allowances may also be paid. Tax free.	1-2 years; minimum duration of course	Applicants must be graduates or scholars who will graduate in current academic year, and who have not previously held a Commonwealth Post-graduate Award. Applicants must be domiciled in Australia. Preference is given to applicants with employment experience. Applications to the Registrar by 28 September.
Overseas Postgraduate Research Scholarships	Tuition fees only	2 years for a Masters and 3 years for a PhD	Eligibility is confined to postgraduate research studentgs who are citizens of overseas countries excluding citizens of countries which are covered by the Equity and Merit Scholarship Scheme (EMSS). Application to the Registrar by 28 September
IDP-Korea/Taiwan Research Scholarships	Tuition fees and a stipend	2 years for a Masters and 3 years for a PhD	Eligibility is confined to postgraduate research students who are citizens of Korea or Taiwan. Application to the Registrar by 31 July.
Australian American Educational Foundation Fulbright Award	Travel expenses and $A2000 as establishment allowance.	1 year, renewable	Applicants must be graduates who are domiciled in Australia and wish to undertake research or study for a higher degree in America. Applications close 30 September with The Secretary, DEET, AAEF Travel Grants, PO Box 826, Woden ACT 2606.
Australian Federation of University Women	Amount varies, depending on award	Up to 1 year	Applicants must be female graduates who are members of the Australian Federation of University Women
Commonwealth Scholarship and Fellowship Plan	Varies for each country. Generally covers travel, living, tuition fees, books and equipment, approved medical expenses. Marriage allowance may be payable.	Usually 2 years, sometimes 3	Applicants must be graduates who are Australian citizens and who are not older than 35 years of age. Tenable in Commonwealth countries other than Australia. Applications close with the Registrar in September or October each year.
The English-Speaking Union (NSW Branch)	$7000	1 year	Applicants must be residents of NSW or ACT. Awarded to young graduates to further their studies outside Australia. Applications close mid-April with The Secretary, Ground Floor, Sydney School of Arts, 275c Pitt Street, Sydney NSW 2000.
Frank Knox Memorial Fellowships tenable at Harvard University	Stipend of $US7000 pa plus tuition fees	1, sometimes 2 years	Applicants must be British subjects and Australian citizens, who are graduates or near graduates of an Australian university. Applications close with the Academic Registrar mid October.
Robert Gordon Menzies Scholarship to Harvard	Up to $US 15,000	1 year	Tenable at Harvard University. Applicants must be Australian citizens and graduates of an Australian tertiary institution. Applications close 31 December with the Registrar, A.N.U., GPO Box 4, Canberra ACT 2601

Graduate Scholarships (continued)

Donor	Value	Year/s of Tenure	Conditions
General (continued)			
Gowrie Scholarship Trust Fund	$6000 pa. Under. special circumstances this may be increased	2 years	Applicants must be members of the Forces or children of members of the Forces who were on active service during the 1939-45 War. Applications close with the Academic Registrar by 31 October.
Harkness Fellowships of the Commonwealth Fund of New York	Living and travel allowances, tuition and research expenses, health insurance, book and equipment and other allowances for travel and study in the USA	12 to 21 months	Candidates must be Australian citizens and **1.** Either members of the Commonwealth or a State Public Service or semi-government Authority. **2.** Either staff or graduate students at an Australian university. **3.** Individuals recommended for nomination by the Local Correspondents. The candidate will usually have an honours degree or equivalent, or an outstanding record of achievement, and be not more than 36 years of age. Applications close 29 August with the Academic Registrar. Forms available from Mr J Larkin, Bureau of Agriculture and Resource Economics, GPO Box 1563, Canberra ACT 2601.
The Packer, Shell and Barclays Scholarships to Cambridge University	Living and travel allowances, tuition expenses.	1-3 years	Applicants must be Australian citizens who are honours graduates or equivalent, and under 26 years of age. Applications close 15 October with The Secretary, Cambridge Commonwealth Trust, PO Box 252, Cambridge CB2 ITZ, England.
The Rhodes Scholarship to Oxford University	Approximately £4862 stg pa	2 years, may be extended for a third year.	Unmarried Australian citizens aged between 19 and 25 who have an honours degree or equivalent. Applications close in August each year with The Secretary, University of Sydney, NSW 2006.
Medicine			
Oxford Nuffield Medical Fellowship	Living and travel allowances, tuition fees	2-3 years	Clinical Assistantship at Oxford University. Applicants must be graduates of a university in a Commonwealth country. Applications close with the Registrar 1 November.
Sir Robert Menzies Memorial Scholarships in Law and Medicine	See under Arts, Commerce, Law		

The following organizations make available grants-in-aid for research in medical and related fields to enable graduates to undertake graduate study and research for higher degrees.

The Australian Kidney Foundation	$9982-15,440 pa plus allowance	1 year renewable	To enable a suitable graduate to undertake research related to kidney and urinary tract. Applications close 1 September with the Australian Kidney Foundation, PO Box 62, Garran ACT 2605.

Graduate Scholarships (continued)

Donor	Value	Year/s of Tenure	Conditions
Medicine (continued)			
Australian Tobacco Research Foundation	$9982-15,440 pa plus allowance	1 year renewable	To enable a suitable graduate to undertake research in the relationship between tobacco smoking and health and disease. Applications close 30 June with the Australian Tobacco Research Foundation, PO Box 20, Rose Bay NSW 2029.
The National Health and Medical Research Council	$18,877 pa tax free	2-3 years renewable	Applications close 15 June with the Registrar.
National Heart Foundation of Australia	$9982-15,440 pa plus allowance	1 year renewable	Appplications close 31 May* with The Secretary, NHF, PO Box 2, Woden ACT 2606.
The Asthma Foundation of New South Wales			Applications close 4 August with the Asthma Foundation 1-12 Angel Place, Sydney NSW 2000.

*An alternate closing date of 31 October will apply to Postgraduate Science Research Scholarships to accomodate students currently in the final year of the degree of Bachelor of Science (Hons).

Prizes

Undergraduate University Prizes

The following table summarizes the undergraduate prizes awarded by the University. Prizes which are not specific to any School are listed under General. All other prizes are listed under the Faculty or Schools in which they are awarded.

Information regarding the establishment of new prizes may be obtained from the Examinations Section located on the Ground Floor or the Chancellery.

Donor/Name of Prize	Value $	Awarded for
General		
The Sydney Technical College Union Award	$400.00 and Bronze Medal	Leadership in student affairs combined with marked academic proficiency by a graduand.
The University of New South Wales Alumni Association Prize	Statuette	Achievement for community benefit by a student in the final or graduating year.
Faculty of Medicine		
The Australian College of Occupational Medicine Prize	$200.00	The best essay, research project or assignment by a final year student or first year graduate of a course in Occupational Health, Preventative and Social Medicine, Community Medicine or related course.

Undergraduate University Prizes (continued)

Donor/Name of Prize	Value $	Awarded for
Faculty of Medicine (continued)		
The Australian Medical Association Prize for General Practice	$300.00	The best report based on the period of attachment in general practice.
The Combined Teaching Hospitals Senior Staff Prize	$250.00	The best performance in the clinical years of the Bachelor of Medicine/Bachelor of Surgery course or the Bachelor of Medicine/Bachelor of Surgery/Bachelor of Science combined course
The Drug and Alcohol Foundation Prize	$250.00	The best essay or article on Alcoholism and/or Drug Abuse.
The Foundation Year Graduates Medal	Silver Medal	Leadership and fellowship by a student in the Bachelor of Medicine, Bachelor of Surgery course.
The Medical Women's Society of New South Wales	$150.00	The best performance by a female student throughout the medical course (including where undertaken, the Bachelor of Science or Bachelor of Medical Science courses)
The Prince of Wales Hospital Ladies Auxiliary Prize	$500.00	The best performance in Years 1 and 2 of the Bachelor of Medicine, Bachelor of Surgery course.
The Wallace Wurth Prize	$200.00	The best overall performance in the Bachelor of Medicine, Bachelor of Surgery course
The W.G. Tellesson Memorial Prize	$31.50	The best performance in MDSG3001 Clinical Studies 3 by a student in Year 3 of the Bachelor of Medicine Bachelor of Surgery course
School of Anatomy		
The Gray's Point Prize in Anatomy	$50.00	The best performance in Year 1 Anatomy by a student in the Bachelor of Medicine, Bachelor of Surgery course.
The Jane Skillen Prize in Anatomy	$250.00	Outstanding merit in all branches of Anatomy by a graduand in the Bachelor of Science with a major in Anatomy
The Maurice (Toby) Arnold Prize	$100.00	The highest mark in Anatomy (including all sub-disciplines of anatomy) in Year 2 of the Bachelor of Medicine, Bachelor of Surgery course
.The Prize in Practical Anatomy	$100.00	The best performance in Practical Anatomy (Including Radiological Anatomy) by a student in Year 2 of the Bachelor of Medicine, Bachelor of Surgery course
The Winifred Dickes Rost Prize	$50.00	Outstanding merit in Anatomy in the final year of the Bachelor of Science course.
School of Community Medicine		
The 2/5 Australian General Hospital Association Prize	$150.00	The best performance in Community Medicine by a Final Year student in the Bachelor of Medicine Bachelor of Surgery course.
The Department of Health, Rural General Practice Prize	$500.00	The best essay written in the topic area of rural general practice by a student proceeding to the degree of Bachelor of Medicine, Bachelor of Surgery.
The New South Wales Department of Health Prize	$500.00	The best performance in CMED4001 Community Medicine in the Bachelor of Medicine, Bachelor of Surgery course.

Undergraduate University Prizes (continued)

Donor/Name of Prize	Value $	Awarded for
School of Community Medicine (continued)		
The Richard Kelman Prize	$100.00	Excellence in the Occupational Health option of CMED4001 Community Medicine by a student in the Bachelor of Medicine, Bachelor of Surgery course.
School of Obstetrics and Gynaecology		
The Gordon Lowe Memorial Prize	$150.00	The best performance in the Clinical and Oral examination in Obstetrics and Gynaecology in the Bachelor of Medicine,Bachelor of Surgery course
The Royal Hospital for Women Senior Medical Staff Prize	$100.00	The best performance in the final practical and written examinations in Obstetrics and Gynaecology by a student in the Bachelor of Medicine, Bachelor of Surgery course.
School of Pathology		
The G.R. Cameron Memorial Prize	$50.00	The highest aggregate mark in PATH3101 Pathology in the Bachelor of Medicine, Bachelor of Surgery course.
The Macquarie Prize in Diagnostic Pathology	$500.00 and Medal	The best performance in the Diagnostic Pathology component of PATH3101 Pathology
The Sugerman Prize in Clinical Pathology	$1000.00	The best performance in a combination of PATH3101 Pathology and MDSG4001 Integrated Clinical Studies by a student in the Bachelor of Medicine, Bachelor of Surgery course
The Sugerman Prize in Experimental Pathology	$1000.00	The most proficient research done in basic or applied pathology by a student in the Bachelor of Medical Science course or its equivalent.
School of Paediatrics		
The Paediatrics Staff Prize	$200.00	An outstanding performance in Paediatrics by a graduand in the Bachelor of Medicine, Bachelor of Surgery course. The best performance in the Physics Honours Year by a student in the Bachelor of Science course
School of Physiology and Pharmacology		
The Doerenkamp-Zbinden Prize in Pharmacology	$100.00	The highest aggregate for PHPH3152 Pharmacology in the Science Course
The D.N.Wade Prize For Medical Pharmacology	$100.00	The best performance in PHPH3055 Medical Pharmacology by a student proceeding to the degree of Bachelor of Medicine Bachelor of Surgery.
The F.C. Courtice Prize for Physiology	$100.00	The best performance in PHPH3114 Physiology 2 in a Bachelor degree
The F.C. Courtice Prize for Physiology	$100.00	Best performance in Physiology in Year 2 of the Bachelor of Medicine, Bachelor of Surgery course.
The School of Physiology Staff Prize For Physiology 1 or Principles of Physiology	$100.00	The best performance in PHPH2112 Physiology 1 or PHPH2122 Principles of Physiology in the level 2 science course.

Undergraduate University Prizes (continued)

Donor/Name of Prize	Value $	Awarded for
School of Community Medicine (continued)		
The School of Physiology and Pharmacology Staff Prize For Medical Biology	$100.00	The best performance in PHPH1004 Biology for Medical students in year 1 of the Bachelor of Medicine, Bachelor of Surgery course.
		The W.E. Glover Prize For Physiology$100.00The best performance in Physiology in year 3 of the Medical Bachelor, Bachelor of Surgery course
The W.E. Glover Prize for Medical Pharmacology	$100.00	The highest aggregate for PHPH3055 Pharmacology
School of Surgery		
The Graduation Prize in Surgery	$100.00	The best performance in the surgery component of MDSG4001 Integrated Clinical & Community Studies in the Bachelor of Medicine,Bachelor of Surgery course.
The Royal Australian College of Opthalmologists Prize	$250.00 and Medal	The best essay on an ophthalmological subject by a student in the final year of the Bachelor of Medicine, Bachelor of Surgery course

Graduate University Prizes

The following table summarizes the graduate prizes awarded by the University

Donor/Name of Prize	Value $	Awarded for
Faculty of Medicine		
The Drug and Alcohol Foundation Prize	$250.00	The best essay or article on Alcoholism and/or Drug Abuse

Student's Timetable

Time	Monday		Tuesday		Wednesday		Thursday		Friday	
	Session 1	Session 2	Session 1	Session 2	Session 1	Session 2	Session 1	Session 2	Session 1	Session 2
9-10										
10-11										
11-12										
12-1										
1-2										
2-3										
3-4										
4-5										
5-6										
6-7										
7-8										
8-9										

The University of New South Wales Kensington Campus

Theatres

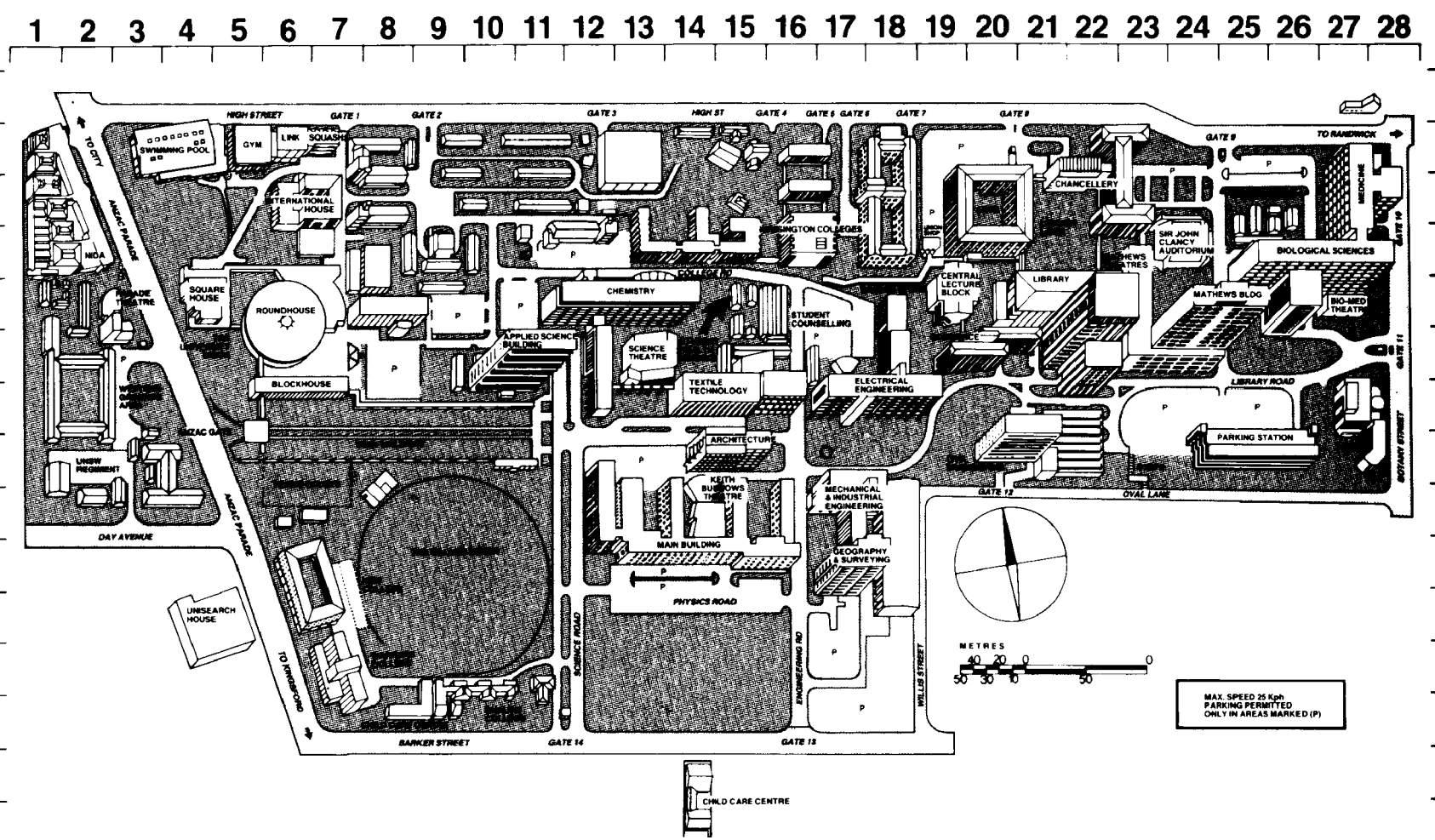
Biomedical Theatres **E27**
Central Lecture Block **E19**
Classroom Block (Western Grounds) **H3**
Rex Vowels Theatre **F17**
Keith Burrows Theatre **J14**
Main Building (Physics) Theatrette **K14**
Mathews Theatres **D23**
Parade Theatre **E3**
Science Theatre **F13**
Sir John Clancy Auditorium **C24**

Buildings

Affiliated Residential Colleges
New (Anglican) **L6**
Shalom (Jewish) **N9**
Warrane **M7**
Applied Science **F10**
Architecture **H14**
Arts (Morven Brown) **C20**
Banks **F22**
Barker Street Gatehouse **N11**
Basser College **C18**
Biological Sciences **D26**
Central Store **B13**
Chancellery **C22**
Chemistry (*Dalton*) **F12**
Robert Heffron **E12**
Civil Engineering **H20**
Commerce and Economics (John Goodsell) **F20**
Dalton (Chemistry) **F12**
Electrical Engineering **G17**
Geography and Surveying **K17**
Goldstein College **D16**
Golf House **A27**
Gymnasium **B5**
House at Pooh Corner **N8**
International House **C6**
Io Myers Studio **D9**
John Goodsell (Commerce and Economics) **F20**
Kanga's House **O14**
Kensington Colleges **C17** (Office)
Basser **C18**
Goldstein **D16**
Philip Baxter **D14**
Link **B6**
Maintenance Workshop **B13**
Materials Science and Engineering **E8**
Mathews **F23**
Mechanical and Industrial Engineering **J17**
Medicine (Administration) **B27**
Menzies Library **E21**
Morven Brown (Arts) **C20**
New College (Anglican) **L6**
Newton **J12**
NIDA **D2**
Parking Station **H25**
Philip Baxter College **D14**
Robert Heffron (Chemistry) **E12**
Sam Cracknell Pavilion **H8**
Shalom College (Jewish) **N9**
Sir Robert Webster (Textile Technology) **G14**
Wool & Animal Sciences **G14**
Squash Courts **B7**
Swimming Pool **B4**
Unisearch House **L5**
University Regiment **J2**
University Union (Roundhouse) – Stage I **E6**
University Union (Blockhouse) – Stage II **G6**
University Union (Squarehouse) – Stage III **E4**
Wallace Wurth School of Medicine **C27**
Warrane College **M7**

General

Accommodation (off-campus) **F15**
Academic Staff Office **C22**
Accounting **F20**
Admissions **C22**
Adviser for Prospective Students **C22**
Anatomy **C27**
Applied Economic Research **G14**
Applied Geology **F10**
Applied Science (Faculty Office) **F10**
Architecture (including Faculty Office) **H14**
Arts (Faculty Office) **C20**
Audio Visual Unit **F20**
Australian Graduate School of Management **G27**
Banking and Finance **F20**
Biochemistry **D26**
Biological and Behavioural Sciences (Faculty Office) **D26**
Biomedical Engineering **A28**
Biomedical Library **F23**
Biotechnology **D26**
Bookshop **G17**
Building **H14**
Careers and Employment **F15**
Cashier's Office **C22**
Chaplains **E15**
Chemical Engineering and Industrial Chemistry **F10**
Chemistry **E12**
Child Care Centres **N8, O14**
Civil Engineering **H20**
Commerce and Economics (Faculty Office) **F20**
Community Medicine **D26**
Computing Services Department **F21, D26**
Counselling and Careers Service **F15**
Economics **F20**
Education **G2**
Education Testing Centre **E15**
Electrical Engineering and Computer Science **G17**
Energy Research, Development and Information Centre **F10**
Engineering (Faculty Office) **K17**
English **C20**
Ethics Committees Secretariat **B8**
Examinations **C22**
Fees Office **C22**
Food Science and Technology **F10**
French **C20**
General Staff Office **C22**
Geography **K17**
German Studies **C20**
Graduate Office and Alumni Centre **E4**
Graduate School of the Built Environment **H14**
Groundwater Management and Hydrogeology **F10**
Health Services Management **C22**
History **C20**
Industrial Arts **H14**
Industrial Design **G15**
Industrial Relations and Organizational Behaviour **F20**
Information Systems **F20**
International Student Centre **F16**
IPACE **F23**
Kanga's House **O14**
Kindergarten (House at Pooh Corner) **N8**
Landscape Architecture **K15**
Law (Faculty Office) **F21**
Law Library **F21**
Legal Studies and Taxation **F20**
Liberal and General Studies **C20**
Librarianship **F23**
Library **E21**
Lost Property **C22**
Marine Science **D26**
Marketing **F20**
Materials Science and Engineering **E8**
Mathematics **F23**
Mechanical and Industrial Engineering **J17**
Medical Education **C27**
Medicine (Faculty Office) **B27**
Microbiology **D26**
Mineral Processing and Extractive Metallurgy **E8**
Mining Engineering **K15**
Music **B11**
National Institute of Dramatic Art **D2**
News Service **C22**
Optometry **J12**
Pathology **C27**
Patrol and Cleaning Services **C22**
Petroleum Engineering **D12**
Philosophy **C20**
Physics **K15**
Physiology and Pharmacology **C27**
Political Science **C20**
Printing Unit **C22**
Psychology **F23**
Publications Section **C22**
Remote Sensing **K17**
Russian Studies **C20**
Safety Science **J17**
Science and Mathematics Course Office **D26**
Science and Technology Studies **C20**
Social Work **G2**
Sociology **C20**
Spanish and Latin American Studies **C20**
Sport and Recreation Centre **B6**
University Health Services **E15**
Student Records **C22**
Student Services **F15**
Students' Union **E4** and **C21**
Surveying **K17**
Professional Development Centre **E15**
Textile Technology **G14**
Theatre Studies **B10**
Town Planning **K15**
Union Shop (Upper Campus) **D19**
University Archives **E21**
University Press **A28**
University Union (Blockhouse) **G6**
Waste Management **H20**
WHO Regional Training Centre **C27**
Wool & Animal Sciences **G14**


1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28
A B C D E F G H J K L M N O
HIGH STREET
GATE 1
GATE 2
GATE 3
HIGH ST
GATE 4
GATE 5
GATE 6
GATE 7
GATE 8
GATE 9
TO RANDWICK
TO CITY
ANZAC PARADE
SWIMMING POOL
GYM
LINK
SQUASH
INTERNATIONAL HOUSE
NIDA
SQUARE HOUSE
ROUNDHOUSE
BLOCKHOUSE
UNSW FREEMENT
ANZAC GATE
DAY AVENUE
UNISEARCH HOUSE
TO KINGSFORD
BARKER STREET
GATE 14
GATE 15
SCIENCE ROAD
CHEMISTRY
APPLIED SCIENCE BUILDING
SCIENCE THEATRE
TEXTILE TECHNOLOGY
ARCHITECTURE
KEITH BURROWS THEATRE
MAIN BUILDING
PHYSICS ROAD
ENGINEERING RD
MECHANICAL & INDUSTRIAL ENGINEERING
GEOGRAPHY & SURVEYING
WILLIS STREET
CHILD CARE CENTRE
STUDENT COUNSELLING
ELECTRICAL ENGINEERING
CHANCELLERY
CENTRAL LECTURE BLOCK
LIBRARY
SIR JOHN CLANCY AUDITORIUM
MATHEWS BLDG
BIO-MED THEATRE
BIOLOGICAL SCIENCES
MEDICINE
LIBRARY ROAD
PARKING STATION
BOTANY STREET
GATE 12
OVAL LANE
METRES
40 20 0 0
50 30 10 50
MAX. SPEED 25 Kph
PARKING PERMITTED
ONLY IN AREAS MARKED (P)

This Handbook has been specifically designed as a source of reference for you and will prove useful for consultation throughout the year.

For fuller details about the University – its organization, staff membership, description of disciplines, scholarships, prizes, and so on, you should consult the Calendar.

The Calendar and Handbooks also contain a summary list of higher degrees as well as the conditions for their award applicable to each volume.

For detailed information about courses, subjects and requirements of a particular faculty you should consult the relevant Faculty Handbook.

Separate Handbooks are published for the Faculties of Applied Science, Architecture, Arts, Commerce and Economics, Engineering, Law, Medicine, Professional Studies, Science (including Biological and Behavioural Sciences and the Board of Studies in Science and Mathematics), and the Australian Graduate School of Management (AGSM).

The Calendar and Handbooks, which vary in cost, are available from the Cashier's Office.