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The University of New South Wales

# Medicine

1977  
Faculty Handbook

**Arms of  
The University of  
New South Wales**



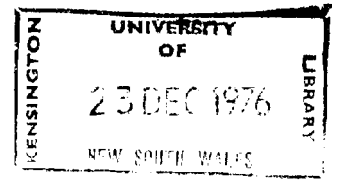
Granted by the College of Heraldry, London  
3 March 1952

**Heraldic Description of Arms**

Argent on a Cross Gules a Lion passant guardant between four Mulletts of eight points Or a Chief Sable charged with an open Book proper thereon the word SCIENTIA in letters also Sable.

The lion and the four stars of the Southern Cross on the Cross of St George have reference to the State of New South Wales which brought the

University into being; the open book with SCIENTIA across its page reminds us of its original purpose. Beneath the shield is the motto 'Manu et Mente', which is the motto of the Sydney Technical College, from which the University has developed. The motto is not an integral part of the Grant of Arms and could be changed at will; but it was the opinion of the University Council that the relationship with the parent institution should in some way be recorded.



The University of New South Wales

# Medicine

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Faculty Handbook

The address of the University of  
New South Wales is:

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New South Wales, Australia 2033

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Information in this Handbook has been brought up to date as at 13 September 1976, but may be amended without notice by the University Council

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## General Information

To obtain the maximum benefit from your studies you should make an effort to learn what facilities the University offers, to investigate the best methods of study and to discover as much as possible about the course for which you are enrolled.

This Handbook has been specially designed as a detailed source of reference for you in all matters related to your Faculty. The General Information Section is intended to help you put the Faculty into perspective with the University as a whole, to introduce you to some of the services available to students and to note some of the most important rules and procedures.

For fuller details about the University and its activities you should consult the University Calendar.

*Now, see the following pages for other general information which may be of value to you.*

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### Some people who can help you

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**Note:** All phone numbers below are University extension numbers. If you are outside the University, dial 663 0351 and ask for the extension or dial 662—and then the extension number.

If you are experiencing difficulties in adjusting to the requirements of the University, you will probably need

advice. The best people to talk to on matters relating to progress in studies are your tutors and lecturers. If your problem lies outside this area, there are many other people with specialized knowledge and skills who may be able to help you.

The Deputy Registrar (Student Services), Mr Peter O'Brien, and his Administrative Assistant, Mr Stephen Briand, are located on the first floor of the Chancellery. They will see students who need advice and who have problems and are not sure whom they should see about them. Mr Briand looks after financial assistance matters. Enquire at room 148A, phone 2482 or 3164.

The Assistant Registrar (Examinations and Student Records), Mr John Warr, is located on the ground floor of the Chancellery. For particular enquiries regarding *Student Records* (including matters related to *Illness affecting study*) contact Mr Jack Morrison (phone 2141), and regarding *Examinations*, Mr John Grigg (phone 2143). This section can also advise on matters relating to *discontinuation of subjects* and *termination of courses*. General enquiries should be directed to 3711.

The Assistant Registrar (Admissions and Higher Degrees), Mr Jack Hill, is located on the ground floor of the Chancellery. For particular enquiries regarding *undergraduate courses* phone Mr John Beauchamp on 3319. General enquiries should be directed to 3711.

## Medicine

**The Adviser for Prospective Students**, Mrs Fay Lindsay, is located on the ground floor of the Chancellery and is available for personal interview. For an appointment phone 3453.

**The Assistant Registrar (Student Employment and Scholarships)**, Mr Jack Foley, is located on the ground floor of the Chancellery. Enquiries should be directed to 2086 (undergraduate scholarships), 2525 (graduate scholarships), and 3259 (employment).

**The Housing Officer**, Mrs Judy Hay, is located in the Student Amenities and Recreation Unit in Hut B at the foot of Bassar Steps. For assistance in obtaining *suitable lodgings* phone 3260.

**The Student Health Unit** is located in Hut E on College Road. The Director is Dr Max Napthali. For *medical aid* phone 2679 or 3275.

**The Student Counselling and Research Unit** is located at the foot of Bassar Steps. The Head is Mr George Gray. For assistance with educational or vocational problems ring 3681, 3685 or 2696 for an appointment.

**The University Librarian** is Mr Allan Horton. Library enquiries should be directed to 2048.

**The Chaplaincy Centre** is located in Hut F at the foot of Bassar Steps. For spiritual aid consult Rev Phillip Jensen (Anglican)—2684; Rev Father Michael Fallon (Catholic)—2379; Dr Allen Elliott (Church of Christ)—2683; Rev Peter Holden (Methodist)—2683; Mr Glen Weare (Seventh Day Adventist)—2683; Mr Ze'ev Dar (Jewish)—3273; Rev Barry Waters (Baptist)—398 4065.

**The Students' Union** is located on the second floor of Stage III of the University Union where the SU full-time President or Education Vice-President are available to discuss any problems you might have. In addition the SU offers a range of diverse services including legal advice (full-time solicitor available), clubs and societies services, second-hand bookshop (buy or sell), new records/tapes at discount, food shop (The Nuthouse), a professional nursery/kindergarten *House at Pooh Corner*, a typesetting service, electronic calculators (bulk purchasing), health insurance and AUS insurance, an information referral centre (the Infakt Bus), a bail fund and publications such as Tharunka, Orientation Magazine, Concessions Book and counter-course handbooks. For information about these phone 2929.

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## Calendar of Dates

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### 1977

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<b>Session 1</b> <b>(14 weeks)</b>	7 March to 14 May. <i>May Recess:</i> 16 May to 21 May 23 May to 18 June <i>Midyear Recess:</i> 20 June to 23 July
<b>Session 2</b> <b>(14 weeks)</b>	25 July to 27 August <i>August Recess:</i> 29 August to 3 September 5 September to 5 November <i>Study Recess:</i> 7 November to 12 November
<b>Monday 14</b> <b>November</b>	Annual examinations begin
<b>Tuesday 6</b> <b>December</b>	Annual examinations end
<b>January</b>	
<b>Monday 3</b> <b>Friday 7</b>	New Year's Day—Public Holiday Last day for application for review of results of <i>annual</i> examinations Last day for application for permission to re-enrol by students who infringed re-enrolment rules at <i>annual</i> examinations
<b>Monday 10</b>	Timetables for <i>deferred</i> examinations available
<b>Friday 14</b>	Last day for acceptance of applications by Admissions Office for transfer to another course within the University
<b>Monday 24</b> <b>Monday 31</b>	<i>Deferred</i> examinations begin Australia Day—Public Holiday
<b>February</b>	
<b>Saturday 5</b> <b>Monday 14</b>	<i>Deferred</i> examinations end Enrolment period begins for new students and students repeating first year
<b>Tuesday 15</b>	Last day for appeal against exclusion by students who infringed re-enrolment rules at <i>annual</i> examinations
<b>Friday 18</b> <b>Monday 21</b>	<i>Deferred</i> examination results available Enrolment period begins for second and later year students
<b>Tuesday 22</b>	Last day for application for review of <i>deferred</i> examination results



Friday 25	Last day for application for permission to re-enrol by students who infringed re-enrolment rules at <i>deferred</i> examinations	July	
March		Tuesday 5	Midyear examinations end
Monday 7	<b>Session 1 commences</b>	Saturday 23	<b>Midyear Recess ends</b>
Friday 11	Last day for acceptance of enrolments by new students (late fee payable)	Monday 25	<b>Session 2 begins</b>
Thursday 17	Last day for appeal against exclusion by students who infringed re-enrolment rules at <i>deferred</i> examinations	Thursday 28	Foundation Day
April		August	
Friday 1	Last day for acceptance of enrolments by students re-enrolling in second and later years (late fee payable) Last day for students other than those attending the University for the first time to discontinue without failure subjects which extend over Session 1 only Last day to enrol in additional subjects	Friday 5	Last day for students attending the University for the first time to discontinue without failure subjects which extend over the whole academic year Last day for students other than those attending the University for the first time to discontinue without failure subjects which extend over Session 2 only
Friday 8 to Monday 11	Easter	Monday 29	<b>August Recess begins</b>
Monday 25	Anzac Day—Public Holiday	Wednesday 31	Last day for acceptance of applications for re-admission in 1978 after exclusion under the re-enrolment rules
Friday 29	Last day for students attending the University for the first time to discontinue without failure subjects which extend over Session 1 only	September	
May		Saturday 3	<b>August Recess ends</b>
Tuesday 10	Publication of provisional timetable for June/July examinations	Monday 12	Last day for applications from students completing requirements at end of Session 2 for admission to University degrees and diplomas
Thursday 12	Last day for acceptance of corrected enrolment details forms Last day for applications from students completing requirements at end of Session 1 for admission to University degrees and diplomas	Wednesday 14	Last day for return of corrected enrolment details forms
Monday 16	<b>May Recess begins</b>	Friday 16	Last day for students attending the University for the first time to discontinue without failure subjects which extend over Session 2 only
Friday 20	Last day for students other than those attending the University for the first time to discontinue without failure subjects which extend over the whole academic year	Tuesday 27	Publication of provisional timetable for annual examinations
Saturday 21	<b>May Recess ends</b>	Friday 30	Last day to apply to MUAC for transfer to another university in Sydney metropolitan area and Wollongong
Monday 23	Last day for students to advise of examination timetable clashes	October	
June		Monday 3	Eight Hour Day—Public Holiday
Tuesday 7	Publication of timetable for June/July examinations	Friday 7	Last day for students to advise of examination timetable clashes
Monday 13	Queen's Birthday—Public Holiday	Tuesday 25	Publication of timetable for annual examinations
Sunday 19	<b>Session 1 ends</b>	November	
Monday 20	<b>Midyear Recess begins</b>	Saturday 5	<b>Session 2 ends</b>
Tuesday 21	Midyear examinations begin	Monday 7	<b>Study Recess begins</b>
		Monday 14	Annual examinations begin
		December	
		Tuesday 6	Annual examinations end
		Sunday 25	Christmas Day
		Monday 26	Boxing Day
		Tuesday 27	Public Holiday

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**1978**

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<b>Session 1</b>	6 March to 14 May <i>May Recess:</i> 15 May to 21 May 22 May to 18 June <i>Midyear Recess:</i> 19 June to 23 July
<b>Session 2</b>	24 July to 27 August <i>August Recess:</i> 28 August to 3 September 4 September to 5 November <i>Study Recess:</i> 6 November to 12 November
<b>Monday 13 November</b>	Annual examinations begin
<b>Tuesday 7 December</b>	Annual examinations end
<b>January</b>	
<b>Monday 2</b>	Public Holiday
<b>Friday 6</b>	Last date for application for review of results of <i>annual</i> examinations
<b>Monday 9</b>	Publication of timetable for <i>deferred</i> examinations
<b>Friday 13</b>	Last day for acceptance of applications by Admissions Office for transfer to another course within the University
<b>Tuesday 24</b>	<i>Deferred</i> examinations begin
<b>Monday 30</b>	Australia Day—Public Holiday
<b>February</b>	
<b>Saturday 4</b>	<i>Deferred</i> examinations end
<b>Monday 13</b>	Enrolment period begins for new students and students repeating first year
<b>Friday 17</b>	Results of <i>deferred</i> examinations available
<b>Monday 20</b>	Enrolment period begins for second and later year students
<b>Tuesday 21</b>	Last day for applications for review of <i>deferred</i> examination results

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**The Academic Year**

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The academic year is divided into two sessions, each containing 14 weeks for teaching. There is a recess of five weeks between the two sessions as well as short recesses of one week within each of the sessions.

Session 1 commences on the first Monday of March.

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**Organization of the University**

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Rapid development has been characteristic of the University of New South Wales since it was first incorporated by an Act of Parliament in 1949, under the name of the New South Wales University of Technology.

In 1976 the University had 18,378 students and 4000 staff who worked in more than eighty buildings. These figures include staff and students at Broken Hill (W. S. and L. B. Robinson University College), Duntroon (the Faculty of Military Studies) and Jervis Bay.

**The Council**

The chief governing body of the University is the Council which has the responsibility of making all major decisions regarding its policy, conduct and welfare.

The Council consists of 42 members representative of the professions, commerce and industry, the legislature, employee organizations, rural, pastoral and agricultural interests, and the academic staff of the University, its graduates and students.

The Council meets six times per year and its members also serve on special committees dealing with such matters as academic matters, finance, buildings and equipment, personnel matters, student affairs and public relations.

The Chairman of the Council is the Chancellor, the Hon. Mr. Justice Samuels, and the Deputy Chancellor is Dr F. M. Mathews.

**The Professorial Board**

The Professorial Board is one of the two chief academic units within the University and includes all the professors from the various faculties. It deliberates on all questions such as matriculation requirements, the content of courses, the arrangement of syllabuses, the appointment of examiners and the conditions for graduate degrees. Its recommendations on these and similar matters are presented to Council for its consideration and adoption.

**The Faculties**

The Dean, who is also a professor, is the executive head of the Faculty. Members of each Faculty meet regularly to consider matters pertaining to their own areas of study and research, the result of their deliberations being then submitted to the Professorial Board.

The term "faculty" is used in two distinct senses in the University. Sometimes it is used to refer to the group of Schools comprising the Faculty, and at others to the deliberative body of academic members of the Schools within the Faculty.

The eleven Faculties are Applied Science, Architecture, Arts, Biological Sciences, Commerce, Engineering, Law, Medicine, Military Studies, Professional Studies, Science together with the Australian Graduate School of Management. In addition, the Board of Studies in General Education fulfils a function similar to that of the faculties. The Board of Studies in Science and Mathematics, which was established to facilitate the joint academic administration of the Science and Mathematics degree course by the Faculties of Biological Sciences and Science, considers and reports to the Professorial Board on all matters relating to studies, lectures and examinations in the science course.

### **The Schools**

Once courses of study have been approved they come under the control of the individual Schools (eg the School of Chemistry, the School of Mathematics). The professorial Head of the School in which you are studying is the person in this academic structure with whom you will be most directly concerned.

### **Executive Officers**

As chief executive officer of the University the Vice-Chancellor, Professor Rupert Myers, is charged with managing and supervising the administrative, financial and other activities of the University.

He is assisted in this task by three Pro-Vice-Chancellors, Professor John Thornton, Professor Rex Vowels and Professor Albert Willis; the Deans and the three heads of the administrative divisions.

### **General Administration**

The administration of general matters within the University comes mainly within the province of the Registrar, Mr Keith Jennings, the Bursar, Mr Tom Daly, and the Business Manager (Property), Mr Bob Fletcher.

The Registrar's Division is concerned chiefly with academic matters such as the admission of students, and the administration of examinations as well as the various student services (health, employment, amenities, and counselling).

The Bursar's Division is concerned with the financial details of the day-to-day administration and matters to do with staff appointments, promotions, etc.

The Property Division is concerned with the maintenance of buildings and grounds and equipment, and includes the University Architect's office.

### **Student Representation on Council and Faculties**

Three members of the University Council may be students elected by students. All students who are not full-time members of staff are eligible to stand for a two-year term of office. The students who are elected to the Council are eligible for election to the Committees of Council.

Students proceeding to a degree or a graduate diploma may elect one of their number to a Faculty for each 500 registered students, with a minimum of three students per Faculty. Elections are for a one-year term of office. New provisions for student membership of faculties and boards of studies have been approved by Council, providing for each faculty/board to recommend its own formula for determining the number of students eligible.

### **Open Faculty Meetings**

If you wish you may attend a Faculty meeting. You should seek advice at the office of the Faculty whose meeting you wish to attend, as different faculties have their own rules for the conduct of open meetings.

### **Award of the University Medal**

The University may award a bronze medal to the students who have most distinguished themselves in their final year.

### **Identification of Subjects by Numbers**

For information concerning the identifying number of each subject taught in this faculty as well as the full list of identifying numbers and subjects taught in the University, turn to the first page of the section below **Subject Descriptions and Textbooks**. This is also published in the Calendar.

### **General Studies Program**

Almost all undergraduates in Faculties other than Arts and Law are required to complete a General Studies program. The Department of General Studies within the Board of Studies in General Education publishes its own Handbook which is available free of charge. All enquiries about General Studies should be made to the General Studies Office, Room G54, Morven Brown Building (663 0351 Extn. 3478).

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## Student Services and Activities

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### The University Library

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The University Libraries are mostly situated on the upper campus. The library buildings house the Undergraduate Library on Level 3, the Social Sciences and Humanities Library on Level 4, the Physical Sciences Library on Level 7 and the Law Library on Level 8. The Biomedical Library is in the western end of the Sciences Building and is closely associated with libraries in the teaching hospitals of the University.

There are also library services at other centres:

The Water Reference Library situated at Manly Vale (Phone 948 0261) which is closely associated with the Physical Sciences Library.

The library at the Broken Hill Division in the W. S. and L. B. Robinson University College building. Phone 6022/3/4.

The library at the Royal Military College, Duntroon, ACT, serving the Faculty of Military Studies.

Each library provides reference and lending services to staff and students and each of the libraries on the Kensington campus is open throughout the year during day and evening periods. The exact hours of opening vary during the course of the academic year.

Staff and students normally use a machine-readable identification card to borrow from the University libraries. For students, a current union card is acceptable. Staff must apply to the library for a library card.

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## Accommodation

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### Residential Colleges

There are seven residential colleges on campus. Each college offers accommodation in a distinctive environment which varies from college to college, as do facilities and fees. A brief description of each college is given below, and further information may be obtained directly from the individual colleges. In addition to basic residence fees, most colleges make minor additional charges for such items as registration fees, caution money or power charges. Intending students should lodge applications before the end of October in the year prior to the one in which they seek admission. Most colleges require a personal interview as part of the application procedure.

### The Kensington Colleges

The Kensington Colleges comprise Basser College, Goldstein College, and Philip Baxter College. They house 450 men and women students, as well as staff members. Fees are payable on a session basis. Apply in writing to the Master, PO Box 24, Kensington, NSW 2033.

### International House

International House accommodates 154 students from Australia and up to twenty other countries. Preference is given to more senior undergraduates and graduate students. Apply in writing to the Warden, International House, PO Box 88, Kensington, NSW 2033.

### New College

This Church of England College is open to all students without regard to race or religion. It has accommodation for approximately 220 students and is co-educational. Enquiries should be addressed to the Master, New College, Anzac Parade, Kensington, NSW 2033.

### Shalom College

Shalom College provides accommodation for 86 men and women students. Non-resident membership is available to students who wish to avail themselves of the Kosher dining room and tutorial facilities. Apply in writing to the Master, Shalom College, The University of New South Wales, PO Box 1, Kensington, NSW 2033.

### Warrane College

Warrane College provides accommodation for 200 men and is open to students of all ages, backgrounds and beliefs. A comprehensive tutorial program is offered along with a wide variety of activities and opportunities to meet informally with members of the University staff. Non-resident membership is available to male students who wish to participate in College activities and make use of its facilities. Warrane is directed by the International Catholic lay association Opus Dei. Apply in writing to the Master, Warrane College, PO Box 123, Kensington, NSW 2033. Phone: 663 6199.

### Creston Residence

Creston, associated with Warrane College, offers residence for 25 full-time undergraduate and graduate women students of all nationalities and denominations. It is directed by the Women's Section of Opus Dei, a Catholic lay association. Further information: The Principal, 36 High Street, Randwick, NSW 2031.

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## Other Accommodation

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### Off-campus Accommodation

Students requiring other than College accommodation may contact the Housing Officer in the Student Amen-



ities and Recreation Unit for assistance in obtaining suitable lodging in the way of full board, room with cooking facilities, flats, houses, share flats, etc. Extensive listings of all varieties of housing are kept up-to-date throughout the year and during vacations.

No appointment is necessary but there may be some delay in February and March. The Housing staff are always happy to discuss any aspect of accommodation.

Special pamphlets on accommodation, lists of estate agents and hints on house-hunting are available on request.

**Location:** The Student Accommodation Service is located in Hut B, near the foot of Basser Steps. Phone 663 0351, extension 3260.

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### Student Employment and Scholarships

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The Student Employment and Scholarships Unit offers assistance with career employment for final year students and graduates of the University. This service includes the mailing of regular job vacancy notices to registered students and a campus interview program for final year students.

Careers advice and assistance is also available to undergraduates. Assistance is offered in finding vacation employment which gives either course-related experience or industrial training experience, where this is a course requirement. Information and advice regarding cadetships, undergraduate and graduate scholarships is also available.

The service is located in the Chancellery on the ground floor.

Phone extension 3259 for employment and careers advice, or extension 2086 for cadetships and industrial training information.

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### Student Health

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A student health clinic and first aid centre is situated within the University. It is staffed by three qualified medical practitioners, assisted by two nursing sisters. The medical service, although therapeutic, is not intended to entirely replace private or community health services. Thus, where chronic or continuing conditions are revealed or suspected, the student may be referred to a private practitioner or to an appropriate hospital for specialist opinion and/or treatment. The health service is not responsible for fees incurred in these instances. The service is confidential and students are encouraged to attend for advice on matters pertaining to health.

The service is available to all enrolled students by appointment, free of charge, between 9 am and 5 pm Mondays to Fridays. For staff members, immunizations

are available, and first aid service in the case of injury or illness on the campus.

The centre is located in Hut E on the northern side of the campus in College Road at the foot of the Basser Steps.

Appointments may be made by calling at the centre or by telephoning extension 2679 or 3275 during the above hours.

The Family Planning Association of NSW conducts clinics at the Student Health Unit and at the adjacent Prince of Wales Hospital. These clinics are open to staff and students and appointments may be made for the Student Health Unit clinic by telephoning 698 9499, or for The Prince of Wales Hospital clinics by telephoning 399 0111.

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### Student Counselling and Research

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The Student Counselling and Research Unit provides individual and group counselling for all students—prospective, established and graduate. Self-help programs are also available. Opportunities are provided for parents and others concerned with student progress to see members of the counselling staff.

The service which is free, informal and personal is designed to help students with planning and decision making, and a wide variety of concerns and worries which may be affecting personal, educational and vocational aspects of their lives.

The Unit pursues research into factors affecting student performance, and the published results of its research and experience are helpful in improving University and other counselling services, and the quality of student life.

Counselling appointments may be arranged during sessions and recesses between 9 am and 7 pm. Phone 663 0351, extension 3681, 3685 and 2696, or call at the Unit which is located at the foot of Basser Steps. Urgent interviews are possible on a walk-in basis between 9 am and 5 pm. Group counselling programs are offered both day and evening between 9 am and 9 pm by special arrangement. Self-help programs are arranged to suit the student's time and convenience.

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### Student Amenities and Recreation

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In general the Student Amenities and Recreation Unit seeks ways to promote the physical, social and educational development of students through their leisure time activities. The Unit provides, for example, a recreational program for students and staff at the Physical Education and Recreation Centre; negotiates with the Public Transport Commission of NSW on student travel concessions and supplies concession forms for bus, rail, ferries and

planes; assists students with off-campus housing; and, in consultation with the Sports Association, assists various recognized clubs.

The Unit is located in Hut B at the foot of Basser Steps. The various services may be contacted by phone on the following extensions: Recreation Program 3271; Travel 2617; Accommodation 3260; Sports Association 2673.

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## Physical Education and Recreation Centre

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The Student Amenities and Recreation Unit provides a recreational program for students and staff at the Physical Education and Recreation Centre. The Centre consists of eight squash courts and a main building, the latter containing a large gymnasium and practice rooms for fencing, table tennis, judo, weight-lifting, karate and jazz ballet, also a physical fitness testing room. The recreational program includes intramurals, teaching/coaching, camping, and fitness testing. The Centre is located on the lower campus adjacent to High Street. The Supervisor of PERC may be contacted on extension 3271.

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## The Sports Association

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The Sports Association caters for a variety of competitive sports for both men and women. Membership is compulsory at \$6 per year for all registered students and is open to all members of staff and graduates of the University.

The Sports Association office is situated in Hut G, near the bottom of Basser Steps, and the control of the Sports Association is vested in the General Committee. The Executive Officer of the Sports Association may be contacted on extension 2673.

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## The University Union

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The University Union provides the facilities students, staff and graduates require in their daily University life and thus an opportunity for them to know and understand one another through associations outside the lecture room, the library and other places of work.

The Union is housed in three buildings near the entrance to the Kensington Campus from Anzac Parade. These are the Roundhouse, the Blockhouse and the Squarehouse. Membership of the Union is compulsory at \$45 per year for all registered students and is open to all members of staff and graduates of the University.

The full range of facilities provided by the Union includes a cafeteria service and other dining facilities, a large shopping centre, cloak room, banking and hair-dressing facilities, showers, a women's lounge, common, games, reading, meeting, music, practice, craft and dark rooms. Photocopying, sign printing, and stencil cutting services are also available. The Union also sponsors special concerts (including lunchtime concerts) and conducts courses in many facets of the arts including weaving, photography, creative dance and yoga. Exhibitions are held in the John Clark Gallery.

Full information concerning courses is contained in a booklet obtainable from the Union's Program Department. The University Union should not be confused with the Students' Union or Students' Representative Council as it is known in some other universities. This latter body has a representative function and is the instrument whereby student attitudes and opinions are crystallized and presented to the University and the community.

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## The Students' Union

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The Students' Union is run by students and represents them on and off campus. Presidential elections are by popular vote and all students who have completed two years at the University are eligible for election.

A full-time President, elected each year by popular ballot, directs the entire administration of the Students' Union and its activities, through the permanent Administrative Officer.

Other full-time officers include the **Education Vice-President** who works towards the implementation of Student Union education policy and in assisting students with problems they may encounter in the University; **Director of Overseas Students** who deals with specific problems these students may encounter while in Australia.

Both are elected by students with the latter elected by overseas students.

Membership is compulsory at \$10 per annum\*.

The activities of the Students' Union include:

1. Infakt: a student-run information referral service. If you want someone to talk to or need help of any kind see the people at Infakt located in the bus at the foot of Basser Steps.
2. A casual employment service.
3. Organization of Orientation Week.
4. Organization of Foundation Day.
5. A nursery/kindergarten, *The House at Pooh Corner*.
6. Publication of the student paper *Tharunka*.

\* A rise in Students' Union fees may occur in 1977.

7. A free legal service run by a qualified lawyer employed by the Students' Union Council.

8. Students' Union Record Shop which gives an 18% discount.

9. The Nuthouse which deals in bulk and health foods.

10. Secondhand Bookshop for cheap texts.

11. Clubs and societies receive money from the Students' Union through CASOC (Clubs and Societies on Campus).

The Students' Union is affiliated with the Australian Union of Students (AUS) which represents students on the national level.

The Students' Union is located on the second floor, Stage III, the Union.

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## Chaplaincy Centre

This service is provided for the benefit of students and staff by various religious and spiritual beliefs. Chaplains are in attendance at the University at regular times. A Chapel is also available for use by all denominations. For further details, turn to page 2.

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## Other Services and Activities

**CASOC** All clubs and societies on campus (except sporting clubs) are loosely organized under the umbrella of CASOC, which is a committee of the Students' Union. Some of these clubs are: the Motor Cycle Club; Chess Club; Dramsoc; Opunka; Kite Club and the Jazz Society.

**School and Faculty Associations** Many schools and faculties have special clubs with interests in particular subject fields. Enquire at your Faculty Office for information.

**University Co-operative Bookshop Limited** Membership is open to all students, on initial payment of a fee of \$10, refundable when membership is terminated. Members receive an annual rebate on purchases of books.

**Cashier's Hours** The University cashier's office is open from 9.30 am to 1.00 pm and from 2.00 pm to 4.30 pm, Monday to Friday. It is open for additional periods at the beginning of Session 1. Consult notice boards for details.

**Australian Armed Forces** Enquiries should be directed to:

**Royal Australian Navy:** Royal Australian Naval Liaison Officer, Professor J. S. Ratcliffe, Commander, RANR, at the School of Chemical Engineering. Phone extension 2406.

**University of New South Wales Regiment:** The Adjutant, Regimental Depot, Day Avenue (just west of Anzac Parade). Phone 663 1212.

**Royal Australian Air Force:** Undergraduates interested in the RAAF Undergraduate Scheme should contact The Recruiting Officer, Defence Forces Recruiting Centre, 320 Castlereagh Street, Sydney.

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## Financial Assistance to Students

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### Tertiary Education Assistance Scheme

Under this scheme, which is financed by the Australian Government, assistance is available for full-time study in approved courses, to students who are not bonded and who are permanent residents of Australia, subject to a means test on a non-competitive basis.

Students in the following types of university courses are eligible for assistance:

- Undergraduate and graduate degree courses
- Graduate diplomas
- Approved combined Bachelor degree courses
- Master's qualifying courses if the course is the equivalent of an honours year and the student has not attempted an honours year.

### Benefits (as at 30 June 1976)

**Means-tested Living Allowance** The maximum rates of living allowances are \$1,000 per annum for students living at home and \$1,600 per annum for students living away from home. The maximum rates of living allowance will be paid where the adjusted family income is equal to or less than \$7,600 per annum. The adjusted family income is assessed by subtracting from the gross income of both parents their business expenses and an amount of \$450 for each dependent child other than the student.

When the adjusted family income exceeds \$7,600 per annum the amount of living allowance will be reduced by \$2 for every \$10 of income until the family income exceeds \$15,200 per annum. After this level, the living allowance will be reduced by \$3 for every \$10 of income.

A concession may be made where there are other children in the family undertaking tertiary education with scholarship assistance from schemes other than the Tertiary Education Assistance Scheme of less than \$600 pa.

**Students qualifying for living allowance will also receive the following allowances where appropriate:**

**Incidentals Allowance** The Incidentals Allowance of \$100 is designed to help the student meet the cost of those fees which have not been abolished—the Students' Union, University Union and Sports Association fees, and other expenses associated with their studies.

**Travel Allowance** Students whose home is in the country may be reimbursed the cost of three return trips per year, during vacation time.

**Dependants' Allowance** This is made up of allowances of \$15 per week for a dependent spouse and \$7 per week for each child.

**How to Apply** 1976 Higher School Certificate candidates and tertiary students receiving an allowance were sent forms last October. Other students may obtain forms from the Admissions Section or the Student Employment and Scholarships Unit, or from the Regional Director, Department of Education, 323 Castlereagh Street, Sydney, NSW 2000 (Phone 218 8800). The administrative closing date for 1977 applications was 31 October 1976.

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## Scholarships, Cadetships, Prizes

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**1. Undergraduate Scholarships** In addition to finance provided under the Australian Government's Tertiary Education Assistance Scheme there are a number of scholarships, cadetships, prizes and other forms of assistance available to undergraduate students. Details of procedures for application for these awards are contained in the Calendar.

There are also special scholarships not administered by the University, information about which may be obtained from the School office.

Further information and advice regarding scholarships is available from the Student Employment and Scholarships Unit in the Chancellery Building.

**2. Graduate Awards** An honours degree is generally an essential requirement for gaining one of the many graduate scholarships which are available at the University. Therefore gifted students should not neglect the opportunity to qualify for honours and thus become eligible for an award.

Details of graduate awards are contained in the University Calendar.

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## Other Financial Assistance

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In addition to the Tertiary Education Assistance Scheme financed by the Australian Government the following forms of assistance are available:

**1. Deferment of Payment of Fees** Deferments may be granted for a short period, usually one month, without the imposition of a late fee penalty, provided the deferment is requested prior to the due date for fee payments.

**2. Short Term Cash Loans** Donations from the Students' Union, the University Union and other sources have made funds available for urgent cash loans not exceeding \$100. These loans are normally repayable within one month.

**3. Early in 1973 the Australian Government made funds available to the University to provide loans to students in financial difficulty. The loans are to provide for living allowances and other approved expenses associated with attendance at University. Repayment usually commences after graduation or upon withdrawal from the course. Students are required to enter into a formal agreement with the University to repay the loan.**

From the same source students who are in extremely difficult financial circumstances may apply for assistance by way of a non-repayable grant. In order to qualify for a grant a student must generally show that the financial difficulty has arisen from exceptional misfortune.

In all cases assistance is limited to students with reasonable academic records and whose financial circumstances warrant assistance.

Inquiries about all forms of financial assistance should be made at the office of the Deputy Registrar (Student Services), Room 148A, in the Chancellery.

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## Financial Assistance to Aboriginal Students

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Financial assistance is available from a number of sources to help Aboriginal students. Apart from the Australian Government's Tertiary Education Assistance Scheme there is a Commonwealth Aboriginal Study Grant Scheme. Furthermore, the University may assist Aboriginal students with some essential living expenses in exceptional circumstances.

All inquiries relating to this scheme should be made at the office of the Deputy Registrar (Student Services), Room 148A, in the Chancellery.

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## Fund for Physically Handicapped and Disabled Students

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The University has a small fund (started by a generous gift from a member of staff who wishes to remain anonymous) available for projects of benefit to handicapped and disabled students. Inquiries should be made at the office of the Deputy Registrar (Student Services), Room 148A, in the Chancellery.



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## Rules and Procedures

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The University, in common with other large organizations, has some agreed ways of doing things in order to operate for the benefit of all members. The rules and procedures listed below will affect you at some time or another. In some cases there are penalties (eg fines or exclusion from examinations) for failure to observe these procedures and therefore they should be read with care.

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## Admission

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### Where can I get information about admission?

The Admissions Office, located in the Chancellery on the upper campus, provides information for students on admission requirements, undergraduate and graduate courses and enrolment procedures. The Admissions Office is open from 9 am to 5 pm Monday to Friday (excluding the lunch hour 1 pm to 2 pm). During enrolment the office is also open for some part of the evening.

Applications for special admission, admission with advanced standing and from persons relying for admission on overseas qualifications should be lodged with this office. The Office also receives applications from students who wish to transfer from one course to another, resume their studies after an absence of twelve months or more, or seek any concession in relation to a course in which they are enrolled. It is essential that the closing dates for lodgment of applications are adhered to. For further details see the sections below on Enrolment and Fees.

Applications for admission to undergraduate courses from students who do not satisfy the requirements for admission (see section on Requirements for Admission), from students seeking admission with advanced standing, and from students who have a record of failure at another university, are referred by the Admissions Office to the Admissions Committee of the Professorial Board.

Students seeking to register as higher degree candidates should first consult the Head of the School in which they wish to register. An application is then lodged on a standard form and the Admissions Office, after obtaining a recommendation from the Head of School, refers

the application to the appropriate Faculty or Board of Studies Higher Degree Committee.

Details of the procedure to be followed by students seeking entry to first year courses at the University may be obtained from the Admissions Office or the Metropolitan Universities Admissions Centre.

### How do I qualify for admission?

In order to enter an undergraduate course you must qualify for matriculation to the University; satisfy requirements for admission to the course of subjects chosen; and be selected for admission to the faculty or course you wish to enter. Full details of matriculation and admission requirements are contained in a pamphlet obtainable at the Admissions Office and in the Calendar.

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## Enrolment

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### How do I enrol?

All students, except those enrolling in graduate research degrees (see below), must lodge an authorized enrolment form with the Cashier on the day the enrolling officer signs the form or on the day their General Studies electives are approved if their course requires this.

All students, except those enrolling in graduate research degrees and those exempted (see below), should on that day also either pay the required fees or lodge an enrolment voucher or other appropriate authority.

### What happens if I am unable to pay fees at the time of enrolment?

If you are unable to pay fees by the due date you may apply in writing to the Deputy Registrar (Student Services) for an extension of time which may be granted in extenuating circumstances.

If a student is unable to pay the fees the enrolment form must still be lodged with the Cashier and the student will be issued with a 'nil' receipt. The student is then indebted to the University and must pay the fees by the end of the second week of the Session for which enrolment is being effected. Penalties apply if fees are paid after that time (see "Fees" below). Payment may be made through the mail in which case it is important that the student registration number be given accurately.

### New Undergraduate Enrolments

Persons who are applying for entry in 1977 must lodge an application for selection with the Metropolitan Universities Admissions Centre, PO Box 7049, GPO, Sydney 2001, by 1 October 1976.

## Medicine

Those who are selected will be required to complete enrolment at a specified appointment time before the start of Session 1. Compulsory fees must be paid on the day of the appointment. In special circumstances, however, and provided class places are still available, students may be allowed to complete enrolment after the prescribed week, subject to the payment of a penalty (see below).

Application forms and details of the application procedures may be obtained from the Admissions Office.

### First Year Repeat Students

First year students who failed more than half the program at the 1976 Annual Examinations and who were not granted any deferred examinations should NOT follow the above procedure. They are required to *show cause* why they should be allowed to continue in the course, and should await instructions in writing from the Registrar as to the procedure.

### Later Year Enrolments

Students should enrol through the appropriate School in accordance with the procedures set out in the current year's booklet, *Enrolment Procedures*, available from the Admissions Office and from School offices.

### New Research Students

Students enrolling for the first time in graduate research degrees will receive an enrolment form by post. They have two weeks from the date of offer of registration in which to lodge the enrolment form with the Cashier and pay the appropriate fees. Completion of enrolment after this time will incur a penalty (see below).

### Re-enrolling Research Students

Students re-enrolling in research degrees should lodge the enrolment form with the Cashier as soon as possible but no later than the end of the second week of Session 1. Completion of enrolment after that date will incur a penalty (see below).

### Submission of Graduate Thesis or Project Report at Commencement of Session 1

A candidate who has completed all the work for a graduate degree except for the submission of a thesis or project report is required to re-enrol and pay fees as outlined above *unless* the thesis or project report is submitted by the end of the second week of Session 1 in which case the candidate is not required to re-enrol. Those required to re-enrol may claim a refund of fees if able to withdraw (see below).

### Miscellaneous Subject Enrolments

Students may be permitted to enrol for miscellaneous subjects (ie as students not proceeding to a degree or diploma) provided the Head of the School offering the

subject considers it will be of benefit and there is accommodation available. Only in exceptional cases will subjects taken in this way count towards a degree or diploma. Students who are under exclusion may not be enrolled in miscellaneous subjects which may be counted towards courses from which they have been excluded.

Students seeking to enrol in miscellaneous subjects should obtain a letter of approval from the Head of the appropriate School or his representative permitting them to enrol in the subject concerned. The letter should be given to the enrolling officer at the time of enrolment.

Students who have obtained written permission to enrol may attend the Unisearch House enrolment centre on:

Friday 4 March  
9.30 am to 12.30 pm

or they may attend the Admissions Office, Chancellery, at the times shown below.

<b>Week Commencing</b>	<b>Monday to Friday</b>
<b>7 March</b>	9.30 am to 1.00 pm
	2.00 pm to 4.30 pm
	5.30 pm to 7.00 pm

<b>Week Commencing</b>	<b>Monday to Friday</b>
<b>14 March</b>	9.30 am to 1.00 pm
	2.00 pm to 4.30 pm
	Wednesday and Friday
	5.30 pm to 7.00 pm

### Final Dates for Completion of Enrolments

No enrolments for courses extending over the whole year or for Session 1 only will be accepted from new students after the end of the second week of Session 1 (18 March 1977) except with the express approval of the Deputy Registrar (Student Services) and the Heads of the Schools concerned; no later year enrolments for courses extending over the whole year or for Session 1 only will be accepted after the end of the fourth week of Session 1 (1 April 1977) except with the express approval of the Deputy Registrar (Student Services) and the Heads of Schools concerned. No enrolments for courses in Session 2 only will be accepted after the end of the second week of Session 2 (5 August 1977) except with the express approval of the Deputy Registrar (Student Services) and the Heads of Schools concerned.

### How do assisted students (eg scholarship holders) enrol?

Scholarship holders or sponsored students who have an enrolment voucher or letter of authority from their sponsor should present it at the time of enrolment. Such vouchers and authorities are generally issued by the NSW Department of Education and the NSW Public Service. They are not always issued in time and students who expect to receive an enrolment voucher or other appropriate authority but have not done so must pay the fees (and arrange a refund later). Such vouch-

ers and authorities are not the responsibility of the University and their late receipt is not to be assumed as automatically exempting a student from the requirements of enrolling and paying fees.

### **What special rules apply if I wish to be considered for admission with advanced standing?**

If you make application to register as a candidate for any degree or other award granted by the University you may be admitted to the course of study with such standing on the basis of previous attainments as may be determined by the Professorial Board. For complete details regarding "Admission with Advanced Standing" consult the University Calendar.

### **Can I transfer from one course to another?**

To transfer from one course to another you must apply on an application form obtainable from the Admissions Office by 16 January. If your application is successful you are required to comply with the enrolment procedures for the year/stage of the new course and, unless otherwise instructed, you should present the letter granting transfer to the enrolling officer. You should also inform the enrolling officer of the school in which you are enrolled of your intention to transfer.

### **Can I change my course program?**

If you wish to seek approval to substitute one subject for another, add one or more subjects to your program or discontinue part or all of your program, you must make application to the Registrar through the Head of the School responsible for the course on forms available from the School office. The Registrar will inform you of the decision. Application to enrol in additional subjects must be submitted by the end of the fourth week of Session 1.

It is emphasized that failure to sit for examinations in any subject in which you are enrolled will be regarded as failure to satisfy the examiners in that subject unless written approval to withdraw without failure has been obtained from the Registrar.

### **Withdrawal from subjects**

Students are permitted to withdraw from subjects without being regarded as having failed, provided they apply by the dates indicated.

#### *First Year Students*

1. one-session subjects: the end of the eighth week of session;
2. double-session subjects: the end of the second week of Session 2.

*For the purpose of this rule a first-year student is defined as one who is attending the University for the first time either on a full- or part-time basis and is enrolled in the first year or first stage of a course.*

#### *Other Students*

1. one-session subjects: the end of the fourth week of session;
2. double-session subjects: the end of the May Recess.

### **How do I enrol after an absence of twelve months or more?**

If you have had a leave of absence for twelve months and wish to resume your course you should follow the instructions about re-enrolling given in the letter granting your leave of absence. If you do not fully understand or have lost these instructions, then you should contact the Admissions Office *either* in December of the preceding year *or* before October in the year preceding the one in which you wish to resume your course.

If you have not obtained leave of absence from your course and have not been enrolled in the course over the past twelve months or more, then you should apply for admission to the course through the Metropolitan Universities Admission Centre before 1 October in the year preceding that in which you wish to resume studies.

### **Are there any restrictions upon students re-enrolling?**

The University Council has adopted the following rules governing re-enrolment with the object of requiring students with a record of failure to show cause why they should be allowed to re-enrol and retain valuable class places.

### **First-year Rule**

1. A student enrolled for the first time in any undergraduate course in the University shall be required to show cause why he/she should be allowed to continue the course if that student fails more than half the program in which he/she is enrolled. In order that students may calculate half their program, the weighting of subjects in each course is defined in *Schedule A*,\* which may be varied from time to time by the Professorial Board.

### **Repeated-failure Rule**

2. A student shall be required to show cause why he/she should be allowed to repeat a subject which that student has failed more than once. *Where the subject is prescribed as part of the student's course he/she shall also be required to show cause why he/she should be allowed to continue that course.* Failure in a deferred examination as well as in the initial examination counts for the purposes of this rule as one failure.

\*For details of Schedule A see **Restrictions upon Students Re-enrolling** in the University Calendar.

## General Rule

**3.** The Re-enrolment Committee may, on the recommendation of the relevant faculty or board of studies, review the academic progress of any student. If that student's academic record seems to demonstrate, in the opinion of the Committee, the student's lack of fitness to pursue a subject or subjects and/or a course or courses, the Committee may require that student to show cause why he/she should be allowed to re-enrol in such subject(s) and/or course(s).

## The Session-unit System

**4. A** A student who infringes the provisions of Rules 1 or 2 at the end of Session 1 of any year will not be required to *show cause* at that time but will be allowed to repeat the subject(s) (if offered) and/or continue the course in Session 2 of that year, subject to the rules of progression in that course.

**B** Such a student will be required to *show cause* at the end of the year, except that a student who has infringed Rule 2 at the end of Session 1, repeats the subject(s) in question in Session 2, and passes it/them, will not be required to *show cause* on account of any such subject.

## Exemption from Rules by Faculties

**5. A** A faculty or board of studies examination committee may, in special circumstances, exempt a student from some or all of the provisions of Rules 1 and 2.

**B** Such a student will not be required to *show cause* under such provisions and will be notified accordingly by the Registrar.

## 'Showing Cause'

**6. A** A student wishing to *show cause* must apply for special permission to re-enrol. Application should be made on the form available from the Examinations and Student Records Section and must be lodged with the Registrar by the dates published annually by the Registrar. A late application may be accepted at the discretion of the University.

**B** Each application shall be considered by the Re-enrolment Committee which shall determine whether the cause shown is adequate to justify the granting of permission to re-enrol.

## Appeal

**7. A** Any student who is excluded by the Re-enrolment Committee from a course and/or subject(s) under the provisions of the Rules may appeal to an Appeal Committee constituted by Council for this purpose with the following membership†:

A Pro-Vice-Chancellor nominated by the Vice-Chancellor who shall be Chairman.

The Chairman of the Professorial Board, or if he is unable to serve, a member of the Professorial Board, nominated by the Chairman of the Professorial Board, or when the Chairman of the Professorial Board is unable to make a nomination, nominated by the Vice-Chancellor.

One of the category of members of the Council elected by the graduates of the University, nominated by the Vice-Chancellor.

The decision of the Committee shall be final.

**B** The notification to any student of a decision by the Re-enrolment Committee to exclude him/her from re-enrolling in a course and/or subject(s) shall indicate that the student may appeal against that decision to the Appeal Committee. In lodging such an appeal with the Registrar the student should provide a complete statement of all grounds on which the appeal is based.

**C** The Appeal Committee shall determine the appeal after consideration of the student's academic record, his/her application for special permission to re-enrol, and the stated grounds of appeal. In exceptional circumstances, the Appeal Committee may require the student to appear in person.

## Exclusion

**8. A** A student who is required to *show cause* under the provisions of Rules 1 or 3 and either does not attempt to *show cause* or does not receive special permission to re-enrol from the Re-enrolment Committee (or the Appeal Committee on appeal) shall be excluded from re-enrolling in the subject(s) and course(s) on account of which he was required to *show cause*. Where the subjects failed are prescribed as part of any other course (or courses) he/she shall not be allowed to enrol in any such course.

**B** A student who is required to *show cause* under the provisions of Rule 2 and either does not attempt to *show cause* or does not receive special permission to re-enrol from the Re-enrolment Committee (or the Appeal Committee on appeal) shall be excluded from re-enrolling in any subject he/she has failed twice. *Where the subject failed is prescribed as part of the student's course he/she shall also be excluded from that course.* Where the subject failed is prescribed as part of any other course (or courses) he/she shall not be allowed to enrol in any such course.

**C** A student excluded from a course or courses under the provisions of A or B may not enrol as a miscellaneous student in subjects which may be counted towards any such course.

† It is proposed that under this arrangement, the membership of the Appeal Committee will be Pro-Vice-Chancellor J. B. Thornton (Chairman), Professor D. M. McCallum, Chairman of the Professorial Board, and a member of Council in the category of members elected by the graduates of the University, nominated by the Vice-Chancellor.



## Re-admission after Exclusion

**9. A** An excluded student may apply to the Re-enrolment Committee for re-admission after two academic years.

**B** An application for re-admission after exclusion should be made on the form available from the Examinations and Student Records Section and should be lodged with the Registrar not later than 31 August in the year prior to that for which re-admission is sought. A late application may be accepted at the discretion of the University.

**C** An application should include evidence that the circumstances which were deemed to operate against satisfactory performance at the time of exclusion are no longer operative or are reduced in intensity and/or evidence of appropriate study in the subject(s) (or the equivalent) on account of which the applicant was excluded.

## Restrictions and Definitions

**10. A** These rules do not apply to students enrolled in programs leading to a higher degree or graduate diploma.

**B** A subject is defined as a unit of instruction identified by a distinctive subject number.

## How do I apply for admission to degree or diploma?

Applications for admission to a degree or diploma of the University must be made on the appropriate form by 12 September, in a student's final year. Forms are mailed to all final year students. Don't forget to inform the University if you subsequently change your address so that correspondence related to the ceremony will reach you without delay. Applicants should ensure that they have completed all requirements for the degree or diploma, including industrial training where necessary. Any variation such as cancelling of application in order to proceed to an honours degree or submission of an application following discontinuation of honours program, must be submitted in writing to the Registrar no later than 30 January.

## Fees\*

Fees and penalties quoted are current at the time of publication but may be amended by the University Council without notice.

## Do I have to pay fees for tuition?

As a result of a decision by the Commonwealth Government, no tuition fees are charged in 1977.

## What other fees and charges are payable?

Apart from the tuition fees (above) there are other fees and charges which include those charges raised to finance the expenses incurred in operating student activities such as the University Union, the Students' Union, the Sports Association and the Physical Education and Recreation Centre. Penalties are also incurred if a student fails to complete procedures as required. Charges may also be payable, sometimes in the form of a deposit, for the hiring of kits of equipment which are lent to students for their personal use during attendance in certain subjects. Accommodation charges, costs of subsistence on excursions, field work etc, and for hospital residence (medical students) are payable in appropriate circumstances.

## How much is my contribution to student activities and services on campus?

All students (with the exceptions noted below) will be required to pay the following fees if enrolling for a program involving two sessions. Those enrolling for only one session will pay one-half of the Student Activities Fees, but the full University Union entrance fee, if applicable.

## Student Activities Fees

University Union—\$25 entrance fee, payable on first enrolment

University Union—\$45 annual subscription

Sports Association—\$6 annual subscription

Students' Union:

Students enrolling in full-time courses—\$10 annual subscription

Students enrolling in part-time courses—\$8 annual subscription

Miscellaneous—\$25 annual fee.

The miscellaneous fee is used to finance expenses generally of a capital nature relating to student activities. Funds are allocated to the various student bodies for projects recommended by the Student Affairs Committee and approved by the University Council.

## Are fees charged for examinations?

Generally there are no charges associated with examinations; however, two special examination fees are applied:

Examinations conducted under special circumstances—for each subject	.... \$11
Review of examination result—for each subject	.... \$11

## What penalties exist for late payment of fees?

The following additional charges will be made in 1977 when fees are paid late:

Failure to lodge enrolment form according to enrolment procedure	.... \$20
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\* Fees quoted are current at the time of publication and may be amended by the Council without notice.

Payment of fees after end of second week of session ..... \$20  
 Payment of fees after end of fourth week of session ..... \$40

## Locations and Hours of Cashier

Cashier's Offices are open during the enrolment periods referred to in this booklet. The locations and hours are shown below:

### Unisearch House

221 Anzac Parade

#### Week Commencing 21 February

Monday and Thursday  
 10.00 am to 1.00 pm  
 2.00 pm to 5.00 pm  
 6.00 pm to 9.00 pm

#### Wednesday

10.00 am to 1.00 pm  
 2.00 pm to 5.00 pm

#### Friday

9.30 am to 1.00 pm

#### Week Commencing 28 February

Monday to Thursday  
 9.30 am to 1.00 pm  
 2.00 pm to 5.00 pm  
 6.00 pm to 9.00 pm

#### Friday

9.30 am to 5.00 pm

### Chancellery

#### Week Commencing 21 February

Monday to Friday  
 9.30 am to 1.00 pm  
 2.00 pm to 4.30 pm

#### Friday

6.00 pm to 8.30 pm

#### First Week of Session 1 Commencing 7 March

Monday to Friday  
 9.30 am to 1.00 pm  
 2.00 pm to 4.30 pm  
 5.30 pm to 8.00 pm

#### Second Week of Session 1

#### Commencing 28 March

Monday to Friday  
 9.30 am to 1.00 pm  
 2.00 pm to 4.30 pm

#### Wednesday and Friday

5.30 pm to 8.00 pm

#### Week Commencing 28 February

Monday to Friday  
 9.30 am to 1.00 pm  
 2.00 pm to 4.30 pm  
 6.00 pm to 9.00 pm

#### Third Week of Session 1 Commencing 21 March

Monday to Friday  
 9.30 am to 1.00 pm  
 2.00 pm to 4.30 pm

#### Fourth Week of Session 1

#### Commencing 14 March

Monday to Friday  
 9.30 am to 1.00 pm  
 2.00 pm to 4.30 pm

#### Friday 26

5.30 pm to 8.00 pm

## Who is exempt from payment of fees?

1. Life members of University Union, Sports Association, and Students' Union are exempt from the relevant fee or fees.

2. Students enrolled in courses classified as *External* are exempt from all Students Activities Fees and the University Union entrance fee.

3. University Union fees and subscriptions may be waived by the Deputy Registrar (Student Services) for

students enrolled in graduate courses in which the academic requirements require no attendance on the Kensington campus.

4. Students who while enrolled at and attending another university (or other tertiary institution as approved by the Vice-Chancellor) in a degree or diploma course are given approval to enrol at the University of New South Wales but only in a miscellaneous subject or subjects to be credited towards the degrees or diplomas for which they are enrolled elsewhere are exempt from all Student Activities Fees and the University Union entrance fee.

5. Undergraduate students of a recognized university outside Australia who attend the University of New South Wales with the permission of the Dean of the appropriate faculty and of the Head of the appropriate school or department to take part as miscellaneous students in an academic program relevant to their regular studies and approved by the authorities of their own institution are exempt from all Student Activities Fees and the University Union entrance fee.

6. Graduate students not in attendance at the University and who are enrolling in a project only, other than for the first time, are exempt from all Student Activities Fees.

7. Graduate students resubmitting a thesis or project only are exempt from all Student Activities Fees.

8. All Student Activities Fees, for one or more sessions may be waived by the Deputy Registrar (Student Services) for graduate students who are given permission to pursue their studies away from the Kensington campus for one or more sessions.

## How much will textbooks and special equipment (if any) cost?

You must allow quite a substantial sum for textbooks. This can vary from \$200 to \$600 depending on the course taken. These figures are based on the cost of new books. The Students' Union operates a second-hand bookshop. Information about special equipment costs, accommodation charges and cost of subsistence on excursions, field work, etc., and for hospital residence (medical students) are available from individual schools.

## Will I receive any refund if I withdraw from a course?

Yes. The following rules apply:

1. If you withdraw from courses you are required to notify the Registrar in writing.

2. Where notice of withdrawal from a course is received by the Registrar before the first day of Session 1 a refund of all fees paid will be made. After that time only a partial refund will be made. See the Calendar for details.

### What happens if I fail to pay the prescribed fees or charges?

If you fail to pay prescribed fees or charges or become otherwise indebted to the University and you fail to make a satisfactory settlement of your indebtedness upon receipt of due notice then you cease to be entitled to the use of University facilities. You will not be permitted to register for a further session, to attend classes or examinations, or be granted any official credentials. In the case of a student enrolled for Session 1 only or for Sessions 1 and 2 this disbarment applies if any portion of fees is outstanding after the end of the eighth week of Session 1 (29 April 1977). In the case of a student enrolled for Session 2 only this disbarment applies if any portion of fees is outstanding after the end of the sixth week of Session 2 (2 September 1977).

In special cases the Registrar may grant exemption from disqualifications referred to in the preceding paragraph upon receipt of a written statement setting out all relevant circumstances.

### Can I get an extension of time to pay?

If you apply before the due date and extenuating circumstances exist, an extension of time may be granted. Apply to the Deputy Registrar (Student Services).

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## Examinations

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### When are examinations held?

Examinations for Session 2 and for Full Year subjects are held in November/December. Examinations for Session 1 subjects are held during the Midyear Recess. Provisional timetables indicating the dates and times of examinations and notices of the location of examinations are posted on the central notice boards in the Biological Sciences Building, the Chancellery, Central Lecture Block, Dalton Building (Chemistry), Main Building (Mining and Physics), and in the Western Grounds Area on 10 May and 27 September. You must advise the Examinations Unit (Chancellery) of a clash in examinations by 23 May and 7 October. Final timetables are displayed and individual copies are available for students on 7 June and 25 October.

Misreading of the timetable is not an acceptable excuse for failure to attend an examination.

In the assessment of your progress in University courses, consideration is given to work in laboratory and class exercises and to any term or other tests given throughout the year as well as to the results of written examinations.

### How are examination passes graded?

Passes are graded: High Distinction, Distinction, Credit and Pass. A Pass Conceded may be granted to a student whose mark in a subject is slightly below the standard required for a pass but whose overall satisfactory performance warrants this concession.

A Terminating Pass may be granted where the mark for the subject is below the required standard. A terminating pass will not permit a student to progress further in the subject or to enrol in any other subject for which a pass in the subject is a co-requisite or pre-requisite. A student given a terminating pass may attempt a deferred examination, if available, to improve his performance but should he fail in such attempt, the terminating pass shall stand.

### When are examination results available?

Final examination results will be posted to your term address (which can be altered up to 30 November) or to your vacation address (fill in a form obtainable at the Information Desk, Chancellery, also by 30 November). Results are also posted on School notice boards and in the foyer of the Sir John Clancy Auditorium. No examination results are given by telephone.

### Can examination results be reviewed?

Examination results may be reviewed for a fee of \$11 a subject, which is refundable in the event of an error being discovered. This review consists mainly of ensuring that all questions attempted have been marked and checking the total of the marks awarded. Applications for review must be submitted on the appropriate form to the Examinations and Student Records Section together with the necessary fee by the dates printed on the reverse side of *Notification of Results*.

### Are allowances made if students are sick before or during an examination?

A student who through serious illness or other cause outside his control *is unable to attend an examination* is required to bring the circumstances (supported by a medical certificate or other evidence) to the notice of the Registrar *not later than seven days after the date of the examination*, and may be required to submit to medical examination.

A student who believes that his performance in a subject has been affected by serious illness *during the year* or by other cause outside his control, and who desires these circumstances to be taken into consideration in determining his standing, is required to bring the circumstances (supported by a medical certificate or other evidence) to the notice of the Registrar as soon as the circumstances are known but not later than seven days after the date of the examination.

All medical certificates should be as specific as possible concerning the severity and duration of the complaint and its effect on the student's ability to take the examinations.

A student who attempts an examination, yet claims that his performance is prejudiced by sickness *on the day of the examination* must notify the Registrar or Examination Supervisor *before, during, or immediately after the examination*, and may be required to submit to medical examination.

A student suffering from a physical disability which puts him at a disadvantage in written examinations should apply to the Registrar in writing for special provision when examinations are taken. The student should support his request with medical evidence.

### Use of electronic calculators

Where the use of electronic calculators has been approved by a faculty or school, examiners may permit their use in examinations. Authorized electronic calculators are battery operated with the minimum operations of addition, subtraction, multiplication and division and are of a type in common use by university students. They are not provided by the University, although some schools may make them available in special circumstances.

### How are examinations conducted?

Examinations are conducted in accordance with the following rules and procedure:

1. Candidates are required to obey any instruction given by an examination supervisor for the proper conduct of the examination.
2. Candidates are required to be in their places in the examination room not less than ten minutes before the time for commencement.
3. No bag, writing paper, blotting paper, manuscript or book, other than a specified aid, is to be brought into the examination room.
4. No candidate shall be admitted to an examination after thirty minutes from the time of commencement of the examination.
5. No candidate shall be permitted to leave the examination room before the expiry of thirty minutes from the time the examination commences.
6. No candidate shall be re-admitted to the examination room after he has left it unless during the full period of his absence he has been under approved supervision.
7. A candidate shall not by any improper means obtain, or endeavour to obtain, assistance in his work, give, or endeavour to give, assistance to any other candidate, or commit any breach of good order.

8. Smoking is not permitted during the course of examinations.

9. All answers must be in English unless otherwise directed. Foreign students who have the written approval of the Officer-in-Charge of Examinations may use standard translation dictionaries.

10. A candidate who commits any infringement of the rules governing examinations is liable to disqualification at the particular examination, to immediate expulsion from the examination room, and to such further penalty as may be determined in accordance with the By-laws.

### Under what circumstances are deferred examinations granted?

Deferred examinations may be granted in the following cases:

1. When a student through illness or some other acceptable circumstance has been prevented from taking the annual examination or has been placed at a serious disadvantage during the annual examinations.
2. To help resolve a doubt as to whether a student has reached the required standard in a subject.
3. To allow a student by further study to reach the required standard in a subject.
4. Where a student's progression or graduation is inhibited by his failure in one subject only, a deferred examination may be granted notwithstanding his failure otherwise to qualify for this concession.

In the Faculties of Arts, Commerce and Law special circumstances apply in the granting of deferred examinations. Details in each circumstance are given in the section *Faculty Information* in the respective handbooks for these faculties, or in the Calendar.

Deferred examinations must be taken at the centre at which the student is enrolled, unless he has been sent on compulsory industrial training to a remote country centre or interstate. In this case the student must advise the Registrar, on a form available from his school or the Information Desk, the Chancellery, of relevant particulars, before leaving for his destination, in anticipation that deferred examination papers may have to be forwarded to him. Normally, the student will be directed to the nearest university for the conduct of the deferred examination.

### Can I buy copies of previous examination papers?

Yes—for 5c each from the Union Shop in the University Union.

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## Essays

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### Should I list my sources?

Students are expected to acknowledge the sources of ideas and expressions that they use in essays. To provide adequate documentation is not only an indication of academic honesty but also a courtesy enabling the marker to consult your sources with ease. Failure to do so may constitute plagiarism which is subject to a charge of academic misconduct.

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## Student Conduct on Campus

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### Is there a detailed code of rules related to the general conduct of students?

No. The University has not considered it necessary to formulate a detailed code of rules relating to the general conduct of students.

However, now that you have become a member of the University you should understand that this involves an undertaking on your part to observe its rules, by-laws and other requirements, and to pay due regard to any instructions conveyed by any officer of the University.

### What are the rules related to attendance at classes?

You are expected to be regular and punctual in attendance at all classes in the course or subject in which you are enrolled. All applications for exemption from attendance at lectures or practical classes must be made in writing to the Registrar.

In the case of illness or of absence for some other unavoidable cause you may be excused by the Registrar for non-attendance at classes for a period of not more than one month or, on the recommendation of the Dean of the appropriate Faculty, for a longer period.

Applications for exemption from lectures (leave of absence) should be addressed to the Registrar and, where applicable, should be accompanied by a medical certificate. If examinations have been missed, state this in your application.

If you fail a subject at the annual examinations in any year and re-enrol in the same course in the following year, you must include in your program of studies for that year the subject in which you failed. This requirement will not be applicable if the subject is not offered the following year; is not a compulsory component of a particular course; or if there is some other cause which is acceptable to the Professorial Board, for not immediately repeating the failed subject.

If you attend less than eighty per cent of your possible classes, you may be refused permission to sit for the examination in that subject.

## Why Is my University Union card Important?

All students enrolled for courses leading to degrees and/or diplomas, except those exempt from fees, are issued with a University Union membership card. Your card must be carried during attendance at the University and shown on request.

The number appearing on the front of the card above your name is your student registration number used in the University's records. This number should be quoted in all correspondence.

The card must be presented when borrowing from the University libraries, when applying for travel concessions and when notifying a change of address. It must also be presented when paying fees on re-enrolment each year when it will be made valid for the year and returned. Failure to present the card could result in some inconvenience in completing re-enrolment.

If you lose your Union card it is important to notify the University Union as soon as possible.

New students will be issued with University Union cards on enrolment.

### Why should I inform the University if I change my address?

If you change your address you should notify the Student Records Section of the Registrar's Division as soon as possible. Failure to do this could lead to important correspondence (including examination results) not reaching you. The University cannot accept responsibility if official communications fail to reach students who have not notified their change of address. Change of Address Advice Forms are available at Faculty and School offices and at the Information Counters on the Ground Floor of the Chancellery Building.

These will be accepted up to 30 November, except for final year students who may advise changes up to four weeks before their graduation ceremony.

### Will the University release information to third parties without my permission?

In general, no. The University treats examination results and information it receives from a student as confidential and will not reveal such information to third parties without the permission of the student except at the discretion of senior officers in circumstances considered of benefit to the student and when it is either impossible or impracticable to gain the student's prior permission. This happens rarely. This policy is considered so important that it often involves officers of the University in very difficult situations, for example, when they must refuse to reveal the address of a student to parents or other relatives.

In spite of the policy, there are sometimes accusations made that the University has revealed information, including addresses (especially to insurance companies).

All students should be aware that students' addresses are eagerly sought by various commercial agents and that sometimes tricks are used to obtain them. For example, from time to time people claiming to be from the University telephone students or their families and ask for information (usually another student's address) which is often given, unsuspectingly. There is evidence that this is a technique used by commercial agents.

It would be generally helpful if students (and their families and friends) are cautious in revealing information, making it a practice to ask the name, position, and telephone extension of any caller claiming to be from the University and, if suspicious, returning the call to the extension given.

### How are student records kept up to date?

Enrolment details forms will be sent to all students on 30 April and 30 August. It is not necessary to return these forms unless any information recorded thereon is incorrect. Amended forms must be returned to the Examinations and Student Records Section within fourteen days. Amendments notified after the closing date will not be accepted unless exceptional circumstances exist and approval is obtained from the Registrar. Amended forms returned to the Registrar will be acknowledged in writing within fourteen days.

### Is there any rule related to the ownership of students' work?

Yes. The University reserves the right to retain at its own discretion the original or one copy of any drawings, models, designs, plans and specifications, essays, theses or other work executed by you as part of your courses, or submitted for any award or competition conducted by the University.

### Can I get a permit to park on campus?

Only a limited amount of parking is available on campus. Copies of the University's parking rules may be obtained on application to Room 240, Chancellery Building.

### Lost Property?

All enquiries concerning lost property should be made to the Superintendent on extension 3580 or to the Lost Property Office at the Union.

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## Further Information

Where can I get further information concerning courses, admission requirements, scholarships and enrolment procedure?

## General

Any student who requires information on the application of these rules or any service which the University offers, may make enquiries from the Admissions Office, the Student Counselling Unit or the Registrar.

## Notices

Official University notices are displayed on the notice boards and students are expected to be acquainted with the contents of those announcements which concern them. These boards are in the Biological Sciences Building, the Sciences Building, the Chancellery (lower ground floor), Central Lecture Block, Dalton Building (Chemistry), Electrical Engineering Building, Main Building (foyer, Mining), Main Building (Physics) and in the Western Grounds Area.

## Appeals

Section 5(c) of Chapter III of the By-laws provides: 'Any person affected by a decision of any member of the Professorial Board (other than the Vice-Chancellor) in respect of breach of discipline or misconduct may appeal to the Vice-Chancellor, and in the case of disciplinary action by the Vice-Chancellor, whether on appeal or otherwise, to the Council'.

## The Calendar

Please consult the Calendar if you want a more detailed account of the information contained in this section.

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## Vice-Chancellor's Official Welcome to New Students

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All students initially enrolling in the University are officially welcomed by the Vice-Chancellor, at the following times:

### Full-time Students

In the Faculties of Architecture, Arts, Biological Sciences, Commerce, Law:

Monday 28 February 1977  
11 am in the Clancy Auditorium

In the Faculties of Applied Science, Engineering, Medicine, Professional Studies, Science, and the Board of Studies in Science and Mathematics:

Tuesday 1 March 1977  
11 am in the Clancy Auditorium

### Part-time Students

Tuesday 1 March 1977  
6.30 pm in the Clancy Auditorium

## Faculty of Medicine

# Introduction

The report of the Murray Committee on Australian Universities recommended that a second medical school be established in New South Wales. The implementation of its recommendation was carried a step forward in October 1958 when the New South Wales Parliament amended the University's Act of Incorporation to provide for the original name of the University to be altered to the University of New South Wales and also allowed for the inclusion of medicine in the courses offered by the University.

Subsequently, steps were taken to establish the medical school in the University of New South Wales, and new pre-clinical buildings (the Wallace Wurth Medical School) were constructed on the campus and opened by Her Majesty the Queen in March 1963. In 1961, the first students enrolled in the Faculty of Medicine and after completion of their six years' course the first graduates qualified at the end of 1966.

General teaching hospitals of the University include Prince Henry and Prince of Wales, St. George and St. Vincent's Hospitals. The Royal Hospital for Women is the headquarters for the teaching of obstetrics and gynaecology. Paediatrics teaching is centralized at Prince of Wales Hospital and psychiatry is taught in each of the general hospitals and at Rozelle Hospital. Bankstown, Canterbury, Lewisham, Royal South Sydney and Sutherland are associated teaching hospitals of the University. Clinical facilities are also provided by the War Memorial Hospital, Waverley.

A five-year undergraduate course involving a new curriculum was adopted by the Faculty of Medicine in 1974 and is being offered concurrently with the six year curriculum until 1978. An outline of the five-year program, with details of the first, second, third and fourth year courses, is contained in this handbook.

This handbook is primarily of concern to undergraduate students in the Faculty of Medicine and aims to provide in convenient form information concerning the Faculty, the requirements for the degrees of Bachelor of Medicine, Bachelor of Surgery,

Bachelor of Science (Medicine) and the subject matter of the different courses offered, including textbooks.

An endeavour has been made to provide answers to those problems which students are most likely to encounter. *It is important that each student in the Faculty becomes well acquainted with the information presented here.* If problems remain unanswered enquiries may be referred to the Faculty office, which is situated on the corner of Botany and High Streets.

It is possible that changes may be made affecting the information presented in this handbook, especially concerning subjects offered and prescribed reading. Students are advised to frequently consult the notice-boards located in the different Schools and in the foyer of the Wallace Wurth Medical School, as well as the official notice-boards of the University. This will keep students informed of any changes and aware of other pertinent announcements made from time to time.

R. J. Walsh  
Dean  
Faculty of Medicine



## Staff

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

### Dean

Professor R. J. Walsh

### Chairman

Professor G. F. Murnaghan

### Executive Secretary

Beth McIntyre, BA MHA N.S.W.

### Administrative Officer

Desmond Kevin O'Rourke

### Administrative Assistant

Elizabeth Alison Smith, BA Macq.

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## School of Anatomy

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### Professor of Anatomy and Head of School

Frederick William Dickes Rost, BSc(Med) MB BS Syd., PhD DCP Lond., DipRMS

### Associate Professors

Brian Robert O'Brien, BSc PhD Syd.

Charles Roger Rolleston Watson, BSc(Med) MD BS Syd.

### Senior Lecturers

Darrel Ananda Fernando, BVSc Ceyl., PhD Lond.

Saw Kin Loo, MB BS Malaya, PhD Sing.

Murray Stanley Smith, BSc PhD Cant.

Jonathan Stone, BSc(Med) PhD Syd.

Istvan Joseph Törk, MD Bud.

### Lecturers

Ewa Krystyna Bystrzycka, MD Lodz.

Brian Warwick Freeman, BSc Syd.

Peter Brennan Paisley, BSc Belf., LRCPEd&Glas, LRCSEd&Glas

Ralph Earl Molnar, BA PhD Calif., MA Texas

### Senior Tutors

Jean Joyce Carter, MSc Syd., PhD N.S.W.

Prem Gemmell, PhD Punj.

## Medicine

### Tutors

Karen Ann Ginn, BSc *N.S.W.*  
Shirley Gladys Maclean, BSc DipEd *Syd.*  
Desmond Daines Shimeld, BSc *N.S.W.*  
Robert Tin Kiat Tan, BSc *Monash*, MB BS *N.S.W.*  
Shanmuga Vadivu Vijayakumar, MSc *Madr.*  
Catherine Willis, BSc *N.S.W.*

### Teaching Fellow

Gregory Stephen Kesby, BSc *N.S.W.*

### Professional Officer

Frank Baldwin, MIBiol, PhD *N.S.W.*, FAIST

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## School of Community Medicine

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**Professor of Community Medicine and Head of School**  
Ian William Webster, MD BS *Melb.*, FRACP

### Professor of Human Genetics

Robert John Walsh, AO, OBE, MB BS *Syd.*, FRACP, FAA, FRCPA

### Senior Lecturers

\*George Garrett Burniston, CMG, OBE, MB BS *Syd.*, DPRM, FACMA  
Lawrence Yook Chee Lai, BSc PhD *W.Aust.*  
Edward Maxwell Nicholls, MD BS *Adel.*  
Alan Edmund Stark, BA *Adel.*, MA *N.S.W.*

### Lecturer

Peter Podmore Manzie, BA MB BS *Syd.*, MRACGP

### Tutor

Paul Murray McNeil, MA *N.Z.*, LLB *Otago*

### Instructor

Felicity Anne Maclean

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## School of Medicine

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### Chairman

Professor W. R. Pitney

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## The Prince Henry and The Prince of Wales Hospitals

### Professor of Medicine and Head of Department

Ralph Beattie Blacket, MD BS *Syd.*, FRCP, FRACP

### Professor of Neurology

\*James Waldo Lance, MD BS *Syd.*, FRCP, FRACP

### Associate Professors

Hal John Hester Colebatch, MD BS *Adel.*, FRACP  
Alan Edward Davis, MD BS *Syd.*, BSc MA *Oxon.*, FRCP, FRACP  
Alfred Steinbeck, MD BS *Syd.*, PhD *Lond.*, FRCP, FRACP  
David Emil Leon Wiicken, MD BS *Syd.*, FRCP, FRACP

### \*Associate Professors

Clement Russell Boughton, MB BS DTM&H *Syd.*, FRACP, MRCP  
Bryan Harle Gandevia, MD BS *Melb.*, FRACP  
Ian Provan Cathcart Murray, MD ChB *Glas.*, FRCPEd, FRACP

### Senior Lecturers

Terry Dorcen Bolin, MB BS *Syd.*, MD *N.S.W.*, DCH *Lond.*, FRCP, FRACP, MRCPEd  
John David Gillies, MB BS *Syd.*, MD *N.S.W.*, FRACP  
Graham Jon Macdonald, BSc(Med) MB BS *Syd.*, MD *N.S.W.*, MRCP

### Professional Officers

Clifford Ng, MSc *N.S.W.*  
Helen Margaret Theille, BSc *Qld.*, MSc *N.S.W.*

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## St. George Hospital

### Professor of Medicine and Head of Department

William Robert Pitney, MD BS *Melb.*, FRACP, FRCPA

\*Conjoint appointment with Prince Henry and Prince of Wales Hospitals.

**Associate Professor**

Malcolm Edward Schonell, MB BS *Qld.*, FCCP, FRCPEd, MRACP

**Senior Lecturer**

Donald Sidney Pryor, MD BS *Syd.*, FRACP

**Lecturer**

John Frederick Robilliard, MB BS *Syd.*, FRACP, FRCPA

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**St. Vincent's Hospital**
**Professor of Medicine and Head of Department**

John Bernard Hickie, MB BS *Syd.*, FRCP, FRACP, FACC

**Associate Professors**

\*\*Leslie Lazarus, MB BS *Syd.*, FRACP, FAACB

Ronald Penny, MD BS *Syd.*, FRACP, FRCPA

Michael Francis O'Rourke, MD BS *Syd.*, FRACP

**Senior Lecturers**

\*\*James Crawford Biggs, MB BS *Syd.*, DPhil *Oxon.*, FRACP, FRCPA

Donald John Frommer, BSc MD BS *Lond.*, MRCP

**Lecturers**

\*\*James Michael Hayes, MB BS *Syd.*, FRACP

Leon Abraham Simons, BSc(Med) MB BS *Syd.*, MRCP

**Professional Officer**

Rivka Goren, BSc *Bar-Ilan*

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**Department of Diagnostic Radiology**
**Associate Professor**

\*Harold Bryan Williams, MA MD BChir *Camb.*, DMRD *Lond.*, DR(Canada), FRACR, FRSM, MRCP, MRCS, MCCR

**Lecturer**

\*Geoffrey James Harrington, MB BS *Syd.*, MRACR

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**School of Obstetrics and Gynaecology**


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**Professor of Obstetrics and Gynaecology and Head of School**

Harvey McKay Carey, MB BS MSc DGO *Syd.*, FRACS, FRCSEd, FRCOG

**Senior Lecturers**

David Charles Ross Macourt, MB BS *Syd.*, FRCSEd, MRCOG

Barry George Wren, MB BS *Syd.*, MD *N.S.W.*, MRCOG

**Lecturer**

Trevor Charles Johnson, MB BS *Syd.*, MRCOG

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**School of Paediatrics**


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**Professor of Paediatrics and Head of School**

John Beveridge, MB BS *Syd.*, FRACP

**Associate Professors**

\*Aubrey Charles Bowring, MB BS *Syd.*, FRCS, FRCSEd, FRACS

Jagdish Mittler Gupta, MB BS *Malaya*, MD *Sing.*, DCH *Lond.*, FRCPEd, MRACP

Darcy William O'Gorman Hughes, MD *N.S.W.*, BS *Syd.*, FRACP

Leslie Herbert Stevens, MB ChB BSc *N.Z.*, PhD *Lond.*, FRACP

**Senior Lecturers**

Gabriel Antony, MD *Bud.*, LRCPSEd, LRFPSGlas, DABP

\*Graham Chudleigh Fisk, MA BM BCh *Oxon.*, FFARACS

**Lecturer**

John Douglas Mitchell, MB BS *Melb.*, FRACP

\*Conjoint appointment with Prince Henry and Prince of Wales Hospitals.

\*\*Conjoint appointment with St. Vincent's Hospital.

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## School of Pathology

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### Professor of Pathology and Head of School

Donald Lancelot Wilhelm, MD BS *Adel.*, PhD *Lond.*, FRCPA

### Associate Professors

Athol William John Lykke, MD BS *Adel.*, FRCPA, MRCPATH

Douglas Duncan Smith, MD ChB *Glas.*, FRCPA, MRCPATH

### Senior Lecturers

‡Alfred Ernest Gatenby, MB BS *Syd.*, FRCPA, MRCPATH

Cameron Rolfe Howlett, BVSc PhD *Syd.*

\*Aubrey Godwin Liddelow, MB BS *Melb.*, FRCPA, MRCPATH

\*\*Vincent Frederick Munro, MB BS DCP *Syd.*, FRCPA

§Robert Andrew Osborn, MD BS BSc *Lond.*, FRCPA, MRCPed,  
MRCPATH, MAACB

### Lecturers

Shirley Grace Higgins, MB BS *Syd.*

Lalitha Gupta, MB BS *Delhi*

Leng Chai Jimmy Yong, BSc(Med) MB BS *N.S.W.*

### Senior Tutor

Rakesh Kamal Kumar, MB BS *Delhi*

### Honorary Associates

Gordon Thomson Archer, MB BS DCP *Syd.*, FME, FRCPA

Robert James Bartholomew, BSc *Syd.*, PhD *Lond.*, ASTC,  
FRACI, FAACB

George Michael Watson, MB BS *Adel.*, DPhil *Oxon.*, FRCPA,  
MRCP, MRACP

### Professor of Clinical Pharmacology

Denis Newell Wade, BSc(Med) MB BS *Syd.*, DPhil *Oxon.*,  
FRACP

### Associate Professors

Robert Alastair Beveridge Holland, MD BS *Syd.*, FRACP

Douglas Ian McCloskey, BSc(Med) MB BS *Syd.*, DPhil *Oxon.*

### Senior Lecturers

Peter Hosford Barry, BSc PhD *Syd.*

Peter Raymond Carroll, BPharm MSc PhD *Syd.*

David George Garlick, MB BS BSc(Med) *Syd.*, PhD *A.N.U.*

Eugenie Ruth Lumbers, MD BS *Adel.*

Mark Joseph Rowe, BPharm MSc *Syd.*, PhD *N.S.W.*

### Lecturers

John Joseph Carmody, MB BS *Qld.*

\*\*David Brunton Gibb, BSc(Med) MB BS *Syd.*, DOBstRCOG  
*Lond.*, FFARCS, FRCS, FFARACS

Gary George Graham, MSc PhD *Syd.*

John Hancock, MB ChB *Otago*, MRACP

### Senior Tutor

Michael Alan Perry, MRurSc *N.E.*

### Tutors

Denise Anne Edwards, BSc *Syd.*

Barbara Dale Porter, BSc *Syd.*

### Teaching Fellow

David Morgans, BSc *Syd.*

### Professional Officer

Kenneth Harry Curtis, AIST(Lond)

### Honorary Associate

Kenneth Martin Taylor, MPharm PhD *Otago*

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## School of Physiology and Pharmacology

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### Professor of Physiology and Head of School

Walter Ernest Glover, MD BCh BAO *Bell.*

### Professor†

Peter William Gage, MB ChB *N.Z.*, PhD *A.N.U.*, DSc *N.S.W.*

\*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 Royal Hospital for Women.

†In the field of physiology.

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## School of Psychiatry

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### Professor of Psychiatry and Head of School

Leslie Gordon Kiloh, MD BSc  *Lond.*, FRCP, DPM(RCP&RCS), FANZCP, FRCPsych

### Associate Professors

John Gavin Andrews, ChB MD  *Otago*, DPM  *Melb.*, FANZCP, MRCPsych

\*John Ewart Cawte, MD BS  *Adel.*, DPM  *Melb.*, PhD  *N.S.W.*, FANZCP, FRCPsych, FAPA

Nathaniel McConaghy, MB BS  *Qld.*, BSc MD DPM  *Melb.*, FANZCP

### Senior Lecturers

Ronald Ford Barr, MB ChB  *Glas.*, MD  *N.S.W.*, DPM(RCP&RCS), MANZCP, MRCPsych

\*Leslie Allen Guile, MB ChB  *Liv.*, DPM  *Melb.*, MANZCP

### Lecturers

Percy Charles Ronald Birrell, BA  *Syd.*, PhD  *N.S.W.*

\*\*James Graham Durham, MB BS  *Adel.*, DPM  *Melb.*, MANZCP

Susie Eva Maria Owen, MB BS  *Syd.*, DCH  *Glas.*, DPM(RCP&RCS), MANZCP

Gordon Barraclough Parker, MB BS  *Syd.*, MANZCP

\*Noel Maurice Wilton, MB BS  *Syd.*

### Tutor

Anita Lois Arnold, BA  *Leeds*, MA  *Exe.*, BLitt  *Oxon.*

### Associate Professor of Ophthalmology

Frederick Cossom Hollows, MB ChB  *N.Z.*, DO  *Lond.*, FRCS

### Associate Professors of Surgery

John MacKenzie Ham, MD BS  *Syd.*, FRACS

\*John Saxon Wright, MB BS  *Syd.*, FRACS, FACS

### Clinical Associate Professor

\*Leicester Atkinson, MB BS DMRT  *Lond.*, FRCS, FRACS, FACMA, FACR

### Lecturers

\*Michael John Donnellan, MB BS  *Syd.*, FRACS

\*John Edmond Frawley, MB BS  *Qld.*, FRACS

Lawrence John Gray, MB BS  *Syd.*, FRACS

Graham Leonard Newstead, MB BS  *N.S.W.*, FRACS, FRCS

Bryan Wheaton Yeo, MB BS  *Syd.*, FRCS, FRACS

### Professional Officer

Margaret Anne Rose, BVetSc  *Syd.*

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## St. George Hospital

### Professor of Surgery and Head of Department

Robert Mervyn Mitchell, BMedSc  *Otago*, MB ChM  *N.Z.*, FRCS, FRACS

### Associate Professor

Christopher John Magarey, BSc(Med) MB MS  *Syd.*, FRCSEd, FRCS, FRACS

### Senior Lecturer

David Robert Hunt, MD BS  *Syd.*, FRACS

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## School of Surgery

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### Chairman

Professor R. L. Huckstep

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## The Prince Henry and The Prince of Wales Hospitals

### Professor of Surgery and Head of Department

Gerald Francis Murnaghan, MD ChM  *Edin.*, FRCS, FRACS, FRCSEd

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## St. Vincent's Hospital

### Professor of Surgery and Head of Department

Graham Douglas Tracy, MB BS  *Syd.*, FRCS, FRACS, FACS

### Associate Professor of Surgery

Reginald Sidney Albert Lord, MD BS  *Syd.*, FRCS, FRACS

### Lecturer

Alan Edward Bray, MB BS  *Syd.*, FRCS, FRACS

\*Conjoint appointment with Prince Henry and Prince of Wales Hospitals.

\*\*Conjoint appointment with St. Vincent's Hospital.

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## Department of Anaesthetics and Resuscitation

### Senior Lecturers

\*George Madgwick Davidson, MB BS DA Syd., FFARACS

\*\*Brian Eric Dwyer, MB BS Syd., DA Lond., FFARCS, FFARCS

\*Thomas Andrew Gabriel Torda, MB BS Syd., DA Lond., FFARCS, FFARCS

### Lecturer

§Colin Richmond Climie, MB ChB N.Z., FFARCS, FFARCS

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## Department of Traumatic and Orthopaedic Surgery

Hugh Smith Professor of Traumatic and Orthopaedic Surgery and Head of Department

Ronald Lawrie Huckstep, CMG, MA MD Camb., FRCSEd, FRCS, FRACS

### Lecturer

Timothy James Herbert, MB BS Lond., FRCS(Eng)

### Research Assistant

Susan Josephine Tipora McDonald, BSc N.S.W.

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## Electron Microscope Unit

### Electron Microscopist

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

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## Medical Illustration Unit

### Officer-in-Charge

Kenneth Walter Deason, AIMBI, ARPS, AIAP

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## Clinical Teaching Administration

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### Teaching Hospitals

#### The Prince Henry and Prince of Wales Hospitals

##### Senior Administrative Officer (Medical)

Maxwell Elmore Thorpe, MB BS Syd., MD N.S.W., FRACP

##### Clinical Supervisors

###### Medicine

Warren John Kidson, MB BS N.S.W., FRACP

###### Surgery

Geoffrey Russell Pritchard, MB BS Syd., MS Wash., FRACS

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### St. George Hospital

##### Warden of Clinical Studies

Benedetto Haneman, MB BS Syd., FRACP

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### St. Vincent's Hospital

##### Senior Administrative Officer (Medical)

Sir Patrick John Kenny, MB BS Syd., FRCS, FRACS, FRCPGlas

##### Clinical Supervisors

###### Medicine

Reay Ignatius Eakin, MB BS Syd., MRCP, MRACP, FRACP

###### Surgery

Brian Francis Sheridan, MB BS Syd., FRCSEd, FRCS, FRACS

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### Royal Hospital for Women

##### Warden of Clinical Studies

Edward Graham Bosch, MB BS Syd., MRCOG

\*Conjoint appointment with Prince Henry and Prince of Wales Hospitals.

\*\*Conjoint appointment with St. Vincent's Hospital.

§Conjoint appointment with Royal Hospital for Women.

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## Associated Hospitals

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### Bankstown Hospital

#### Clinical Supervisor

Peter Drummond Edwards, MB BS Syd., MRACP

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### Canterbury Hospital

#### Honorary Clinical Supervisor

Peter Thomas Tornya, MB BS Syd., MRCP, MRACP

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### Lewisham Hospital

#### Clinical Supervisor

Greg Leslie, MB BS Syd., FRCS, FRACS

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### Sutherland Hospital

#### Clinical Supervisor

Noel Wesley Kinny, MB BS Syd., FRACS

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## Centre for Medical Education Research and Development

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#### Director and Professor

Kenneth Russell Cox, MB MS Melb., FRCS, FRACS, FACS

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## Regional Teacher Training Centre for Health Personnel

#### Director

Professor K. R. Cox

#### Lecturers

Arie Rotem, BA Hebrew Univ. of Jerusalem, MA PhD Calif.

Christine Elizabeth Garrick, MB BS Syd.

Warwick Graham Troy, MA Syd.

#### Administrative Officer

Iris Shirley Gilfillan

#### Graduate Assistant

Janice Clare Reid, BSc Adel., MA Hawaii, MA Stan.

Faculty of Medicine

## Calendar of Dates

**1977**

**First and Second  
Year**

As for other Faculties

Annual examinations: 14 November to 6 December 1977

**Third and Fourth  
Year**

Term 1 (9 weeks)	....	....	....	....	....	24 January to 27 March
Term 2 (10 weeks)	....	....	....	....	....	4 April to 15 May
May recess	....	....	....	....	....	16 May to 22 May 23 May to 19 June
Term 3 (9 weeks)	....	....	....	....	....	27 June to 28 August
Term 4 (10 weeks)	....	....	....	....	....	5 September to 13 November

**Fifth and Sixth  
Year**

Term 1 (10 weeks)	....	....	....	....	....	24 January to 3 April
Term 2 (10 weeks)	....	....	....	....	....	12 April to 19 June
Term 3 (10 weeks)	....	....	....	....	....	4 July to 11 September
Term 4 (10 weeks)	....	....	....	....	....	19 September to 27 November

**1978**

**First and Second  
Year**

As for other Faculties

Annual examinations: 13 November to 7 December 1978\*

\*This period may be varied.



Term 1 (9 weeks)	....	....	....	....	....	23 January to 26 March
Term 2 (10 weeks)	....	....	....	....	....	3 April to 14 May
May recess	....	....	....	....	....	15 May to 21 May
						22 May to 18 June
Term 3 (9 weeks)	....	....	....	....	....	26 June to 27 August
Term 4 (10 weeks)	....	....	....	....	....	4 September to 12 November

**Third and Fourth Year**

Term 1 (8 weeks)	....	....	....	....	....	23 January to 19 March
Term 2 (8 weeks)	....	....	....	....	....	27 March to 21 May
Term 3 (8 weeks)	....	....	....	....	....	29 May to 23 July
Term 4 (8 weeks)	....	....	....	....	....	31 July to 24 September
Term 5 (8 weeks)	....	....	....	....	....	2 October to 26 November

**Fifth Year**

Term 1 (10 weeks)	....	....	....	....	....	23 January to 2 April
Term 2 (10 weeks)	....	....	....	....	....	10 April to 18 June
Term 3 (10 weeks)	....	....	....	....	....	3 July to 10 September
Term 4 (10 weeks)	....	....	....	....	....	18 September to 26 November

**Sixth Year**

## Faculty Information

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### Faculty of Medicine Enrolment Procedures\*

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#### Enrolment Timetable

Students in Medicine, other than first year repeats, who are eligible to re-enrol in 1977 are required to attend *Lecture Theatre "D", Wallace Wurth School of Medicine*, according to the following timetable.

<b>Medicine 2</b>	Friday 4 March 10.00 am to 12.30 pm
<b>Medicine 3</b>	Thursday 20 January 10.00 am to 12.30 pm
<b>Medicine 4</b>	Thursday 20 January 2.00 pm to 4.30 pm
<b>Medicine 5</b>	Friday 21 January 10.00 am to 12.30 pm
<b>Medicine 6</b>	Friday 21 January 2.00 pm to 4.30 pm

#### Medicine 1 (Repeats)

Students re-enrolling in subjects in First Year of the Medical Course in 1977 should attend *Unisearch House, 221 Anzac Parade (across from Main Campus)* on Friday 25 February, 9.30 am to 12.30 pm.

#### General Studies

Students enrolling in general studies electives after completing enrolment in their own Faculty and *before*

*going to the Cashier*, should proceed to the General Studies enrolment centre in *Unisearch House* where they will obtain places in electives, complete class admission cards and finalize enrolment forms.

#### Enrolment Centre

Year 2 and Later Years	Lecture Theatre D Wallace Wurth School of Medicine
Year 1 Repeats	Unisearch House 221 Anzac Parade (across from Main Campus)

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### Costs in Addition to Fees

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Details of fees have been provided earlier but in Medicine there are additional costs.

As the student may not be aware when embarking on his degree of the incidental costs which will occur from time to time in 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 will, of course, be subject to some fluctuation and to some individual variation.

\*As a result of a decision by the Commonwealth Government, no tuition fees are charged in 1977.

	\$ approx.
Textbooks .....	600
Skeleton .....	40
Seven coats .....	80
Miscellaneous (papers, pens, kits (pathology, bio-chemistry, histology), torch, etc.) .....	200
Residency .....	60
Special travel .....	120
	<hr/> \$1100

### Essential Equipment

Two long white coats exclusively for use in the School of Anatomy.

Instruments: Two pairs of 5" dissecting forceps.

One disarticulated half-skeleton. This may be purchased through the School of Anatomy by arrangement.

### Residence in Hospitals

There are sections 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.

## The Teaching Hospitals

**The Prince Henry/Prince of Wales/Eastern Suburbs Hospitals.** The hospitals are on different sites, but function and are staffed as one unit. Currently they have over 1,200 beds with a children's hospital (144 beds) and a psychiatric unit of 40 beds opened during 1976. There are approximately 296,907 outpatient attendances annually.

General medicine, surgery, diagnostic radiology, radiotherapy, anaesthetics, paediatrics, psychiatry and rehabilitation are taught.

**The St. George Hospital** has 535 beds and approximately 171,449 out-patient attendances annually.

Medicine, surgery, obstetrics and gynaecology, paediatrics, psychiatry, anaesthetics and diagnostic radiology are taught.

**St. Vincent's Hospital** has 583 beds, maintains specialist outpatient services and has about 50,000 Accident and Emergency Centre attendances annually.

Instruction is provided in all medical and surgical specialties; clinical pharmacology, community medicine, psychiatry, radiology, radiotherapy, anaesthetics and pathology.

**Bankstown, Canterbury, Lewisham, Royal South Sydney and Sutherland Hospitals** are associated teaching hospitals and are linked with the principal hospitals (above) for residential teaching and training. Clinical facilities are also provided by the War Memorial Hospital, Waverley.

**The Royal Hospital for Women** has 214 beds and 35,543 out-patient attendances annually.

It is the headquarters for the teaching of obstetrics and gynaecology and neonatal paediatrics.

**Rozelle Hospital** provides in-patient facilities for acute psychiatric admissions, rehabilitation of long stay psychiatric patients, and special units for geriatric, mentally retarded and neuro-psychiatric patients.

## The Biomedical Library

The Biomedical Library, which is an integral part of the University Library, provides library services for the Faculties of Medicine and Biological Sciences and for the Schools of Health Administration, Food Technology and Wool and Pastoral Sciences. The Biomedical Library maintains close liaison with libraries of teaching hospitals of the university.

The Biomedical Library is located on levels 2 and 3 of the Sciences Building Annex. During Session, from March to November, the Library is open on Monday to Friday from 8.30 am to 10.00 pm, and on Saturday and Sunday from 12.00 noon to 6.00 pm.

Hours of opening from December to February are shown on noticeboards in the library.

Medical students generally use the Biomedical Library during Session 2 of the first year of their course and in subsequent years. During Session 1 of the first year of the medical course students use the Undergraduate Library.

Professional staff are available at all times in the Biomedical Library to assist readers.

## The University of New South Wales Medical Society

The aim of the Medical Society is to be the representative body of the medical students of the University. Its primary function is to provide amenities and social

stimulation and so contribute to giving the student a sense of belonging to the faculty. It has the secondary function of initiating and maintaining communication between medical students and medical educators and administrators both within the University and outside.

The official committee representing the society consists of: a president, two vice-presidents, a secretary, a treasurer, a shop director and year representatives. This committee is re-elected annually.

Among the social functions held annually are the staff-student wine-and-cheese nights, the year dinners, and for the sake of 1st year students, the orientation workshop.

The *medsoc shop* is a major facility provided by the Society. White coats, instruments and T-shirts may be bought cheaply. The shop is situated on the top floor of the Wallace Wurth School of Medicine at the back of the Pathology Museum.

Other amenities include the publication of a quarterly magazine, *Rami Communicantes*, to which students are asked to contribute in the way of articles and in letters to the editor. An annual magazine, *Nungari* is also produced; the submission of written articles of a more substantial nature are welcome.

The Society has student representatives who attend the meetings of the Australian Medical Association, the Royal Australian College of General Practitioners, the Australasian Medical Students Association, the Australian and New Zealand Association for Medical Education, the Students' Union and the Faculty of Medicine. The Society also has representatives on many of the Medical Faculty's academic committees, although students need not be members of the Society to sit on a committee.

All enquiries about the Society should be addressed to the Secretary of the Medical Society, c/- the School of Anatomy, 1st Floor, Wallace Wurth School of Medicine, UNSW.

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## Financial Assistance to Students

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The scholarships and prizes listed below are available to students whose courses are listed in this handbook.

A similarly oriented list appears in the **General Information** section of each of the faculty handbooks.

The complete list of University scholarships and prizes appears in the **General Information** section of the Calendar.

## Scholarships

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### Undergraduate Scholarships

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As well as the assistance mentioned earlier in this handbook **see General Information: Financial Assistance to Students**, there are a number of scholarships available to students. What follows is an outline only. Full information may be obtained from the Student Employment and Scholarships Unit, located on the Ground Floor of the Chancellery.

Unless otherwise indicated in footnotes, applications for the following scholarships should be made to the Registrar by 14 January each year.

## Undergraduate Scholarships (continued)

Donor	Value	Year/s of Tenure	Conditions
<b>General</b>			
Bursary Endowment Board*	\$300 pa if living at home; \$400 pa if living away from home	7 years	Merit in HSC and total family income not exceeding \$4000.
Sam Cracknell Memorial	\$1000 to \$1500 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 either directly or administratively; and financial need.
Air Force Association Memorial Scholarship	\$250 pa	1 year renewable for the duration of the course subject to satisfactory progress	Child of member or former member of Royal Australian Air Force undertaking a full-time degree course.
<b>Medicine</b>			
The Claude H. Vautin Memorial Scholarship	\$250 pa	1 year renewable for the duration of the course, subject to satisfactory progress	Child of member or former member of Royal Australian Air Force undertaking the full-time degree course leading to the degrees of Bachelor of Medicine and Bachelor of Surgery.

## Graduate Scholarships

Applications for scholarships should be made in triplicate on the required form, and sent to the Registrar by 31 October. Eligibility depends on such factors as the applicant holding an honours degree or equivalent qualification, or having relevant experience. Students completing the final year of a course may apply. Those under bond should disclose this fact. Awards are tenable for one year, and may be renewed for a maximum of two years for a Masters and 3 to 4 years for a PhD degree. Renewal each year is subject to satisfactory progress. Any exceptions from these requirements are indicated.

Application forms and further information are available from the Student Employment and Scholarships Unit, which is located on the ground floor of the Chancellery. This Unit produces the booklet *Graduate Awards*, and also provides information on additional scholarships which may become available from time to time, mainly from funds provided by organizations sponsoring research projects.

\*Apply to the Secretary, Bursary Endowment Board, Box 7077, GPO, Sydney 2001 immediately after sitting for HSC.

## Graduate Scholarships (continued)

Donor	Value	Year/s of Tenure	Conditions
<b>General</b>			
University of New South Wales Research Awards	Living allowance of \$3250 pa. Other allowances may also be paid.	1-2 years for a Masters and 3-4 years for a PhD degree	Applicants must be honours graduates (or equivalent).
Australian Government (Research Awards)		As above	Applicants must be honours graduates (or equivalent) or scholars who will graduate with honours in current academic year, and who are domiciled in Australia.
Australian Government (Course Awards)		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 an Australian Government Postgraduate Award. Applications to Registrar by 30 September.
Australian American Educational Foundation Travel Grant*			Applicants must be graduates, senior scholars or post-doctoral Fellows. Graduate applications close 31 December. Other applications by mid-November.
Australian Federation of University Women	A total of \$500/\$3200	Up to 1 year	Applicants must be female graduates from any accredited Australian or overseas university.
The British Council Commonwealth University Interchange Scheme	Cost of travel to UK or other Commonwealth country university		Applicants must be: <b>1.</b> University staff on study leave. Applications close with Registrar by 30 November. For visits to commence during ensuing financial year 1 April to 31 March. <b>2.</b> Graduate research workers holding research grants. Applications close with Registrar by 28 February for visits to commence during ensuing 1 April to 31 March.
Canadian Pacific Airlines Award for Travel to Canada for University Graduates	One free economy class return flight a year to Canada		Graduates of an Australian University who are Australian citizens or permanent residents. Candidates must have been accepted by a Canadian University, be able to support themselves on a full-time basis, and intend to return to Australia. Applications close with Registrar by 31 May.
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	Graduates who are Commonwealth citizens or British Protected Persons, and who are not older than 35 years of age. Applications close with Registrar by 1 October.

\*Application forms are available from: The Secretary, Department of Education, AAEF Travel Grants, PO Box 826, Woden, ACT 2606.

## Graduate Scholarships (continued)

Donor	Value	Year/s of Tenure	Conditions
<b>General (continued)</b>			
General Motors Holdens Research Fellowship	Living allowance and other allowances	Maximum of 3 years	Graduates qualified to undertake research program for Masters or PhD degree.
Gowrie Graduate Research Travelling Scholarship	Maximum \$2000 pa	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.
Harkness Fellowships of the Commonwealth Fund of New York*	Living and travel allowances, tuition and research expenses, book and equipment and other allowances	Between 12 to 21 months	Candidates must be either: <b>1.</b> Members of the Commonwealth or a State Public Service or semi-government Authority. <b>2.</b> Staff or graduate students at an Australian university. <b>3.</b> Individuals recommended for nomination by the Local Correspondents. The candidate will usually have an honours degree and be between 21-30 years of age. Applications close 23 July.
IBM Graduate Scholarship Plan	A maximum of \$1200 pa	A maximum of 2 years for a degree of Master and 4 years for a PhD	Graduates must already hold a scholarship, such as an Australian Government Post-graduate Research Award and be studying computer science or its applications. Applications close with Registrar by 30 November.
Frank Knox Memorial Fellowships at Harvard University	Stipend of \$3400 plus tuition fees pa	2 years	Applicants must be British subjects and Australian citizens, who are graduates or near graduates of an Australian University.
Nuffield Foundation Commonwealth Travelling Fellowships†	Approximately £2240 stg pa for married fellow and wife. Approximately £1760 stg pa in other cases plus travelling costs.	1 year	Australian citizens usually between 25 and 35 who are graduates preferably with higher degrees and who have at least a year's teaching or research experience at a university. Applications close by February.
The Rhodes Scholarship**	£1650 stg pa	2 years, may be extended for a third year	Unmarried male and female British subjects, between the ages 19 and 25 who have been domiciled in Australia at least 5 years and have completed at least 2 years of an approved university course. Applications close in July each year.
Rothmans Fellowships Award‡	\$12000 pa	Up to 3 years	The field of study is unrestricted. Applications close early September each year.

\*Application forms must be obtained from the Australian representative of the Fund, Mr L. T. Hinde, Reserve Bank of Australia, Box 3947, GPO, Sydney, NSW 2001. These must be submitted to the Registrar by 24 July.

†Applications to the Secretary, The Nuffield Foundation Australian Advisory Committee, Chemistry Laboratory, Barry Building, University of Melbourne, Parkville, Victoria 3052.

\*\*Applications to Mr H. McCredie, Secretary of the NSW Committee, University of Sydney, NSW 2006.

‡Applications to The Secretary, Rothmans University Endowment Fund, University of Sydney, NSW 2006.

## Medicine

### Graduate Scholarships (continued)

Donor	Value	Year/s of Tenure	Conditions
<b>Medicine</b>			
Through the generosity of the following donors, the University receives grants-in-aid for research in medical and related fields to enable graduates to undertake graduate study and research for higher degree:			
The National Health and Medical Research Council	\$8836-\$10144 pa	1 year renewable	Applications by: 30 June
National Heart Foundation of Australia			30 June
Life Insurance Medical Research Fund of Australia and New Zealand			1 July
The New South Wales State Cancer Council**			24 August
The Asthma Foundation of New South Wales**			30 September
Sandoz Australia Pty Ltd Graduate Research Fellowship in Neurology**			To enable a suitable graduate to undertake a program of research in neurology
Merck, Sharp & Dohme (Aust) Pty Ltd Graduate Research Fellowship in Clinical Pharmacology			To enable a suitable graduate to undertake research into clinical pharmacology

## 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.

Donor/Name of Prize	Value \$	Awarded for
<b>General</b>		
Sydney Technical College Union Award	50.00	Leadership in the development of student affairs, and academic proficiency throughout the course.
University of New South Wales Alumni Association	Statuette	Achievement for community benefit — students in their final or graduating year.

\*\*Applications to the Registrar.



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**Undergraduate University Prizes (continued)**


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Donor/Name of Prize	Value \$	Awarded for
<b>Faculty of Medicine</b>		
Health Commission of New South Wales	50.00	79.111 Community Medicine. and
	50.00	79.112 Community Medicine.
Medical Staff Association	100.00	General proficiency by a graduating student in the clinical years.
Prince of Wales Hospital Ladies' Auxiliary	100.00	General proficiency in Years 1 and 2 of the medical course.
A. H. Robins	500.00	General proficiency and leadership — penultimate year.*
Wallace Wurth	200.00	General proficiency throughout the medical course.

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**School of Anatomy**

The Prize in Practical Anatomy	30.00	Practical Anatomy (including Radiological Anatomy) — Year 2 of the medical course.
The Gray's Point Prize in Anatomy	50.00	Highest aggregate mark in Year 1 of Anatomy.
The Winifred Dickes Rost Prize	30.00	Outstanding merit in Anatomy in final year of the Science Course.

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**School of Medicine**

W. G. Telleson Memorial	31.50	71.111 Introductory Medicine. and
	31.50	80.103 Clinical Studies III.

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**School of Obstetrics and Gynaecology**

F. J. Browne Memorial	50.00	Final written and practical examinations in Obstetrics and Gynaecology.
Gordon Lowe Memorial	50.00	Clinical and oral examinations in Obstetrics and Gynaecology.

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**School of Psychiatry**

John Kerridge Memorial	50.00	Psychiatry.
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\*In 1977 the A. H. Robins Prize is shared between a fifth year student and a fourth year student (new course).

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### Undergraduate University Prizes (continued)

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Donor/Name of Prize	Value \$	Awarded for
<b>School of Surgery</b>		
Australian College of Ophthalmologists	50.00	Essay on Ophthalmological subject.
The Graduation Prize in Surgery	100.00	Surgery — Final Year.

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### Graduate University Prizes

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#### Faculty of Medicine

Foundation for Research and Treatment of Alcoholism and Drug Dependence of New South Wales	100.00	Essay on a clinical or scientific aspect of alcoholism or a drug of dependence.
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**Undergraduate Study**

# 380

## Medical Course (MB BS)

Until 1974 the medical course extended over six years of full-time study, but in 1974 the Medical Faculty introduced an entirely reorganized course extending over five years. This reorganized course was developed in response to a world-wide pattern of change in medical education; other factors include the additional year of secondary school education, the high level of academic achievement necessary to gain entrance to the Faculty, and recognition of the growing period of graduate education necessary to enter any field of major clinical responsibility. Changes made to the course are substantial, and include integration of all parts of the course with detailed specification of course objectives. Clinical experience begins in the first year of the medical course, indicating the relevance of all parts of the educational program.

The five- and six-year medical courses lead to the degrees of Bachelor of Medicine (MB) and Bachelor of Surgery (BS) which have been recognized (1975 and 1967) by the General Medical Council of the UK. These degrees may be awarded in the following grades: Honours Class I; Honours Class II, Division I; Honours Class II, Division II, or Pass level.

The six-year course consists of one year of pre-medical studies, followed by two years of mainly pre-clinical studies, and three years devoted mainly to clinical studies.

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### 5 Year Undergraduate Course

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This course commenced in 1974 and extends over five years of full-time study leading to the degrees of Bachelor of Medicine and Bachelor of Surgery (MB BS). The general goal of the course is to produce a graduate who is competent to undertake the care of patients (under supervision) at the level of a provisionally registered medical officer, and who is adequately prepared at the time of full registration to undertake further education and training in any field of medicine.

Owing to the number of students who seek enrolment each year in medical courses in relation to facilities available, admission to the medical course is competitive.

In the first three years of the course, in addition to medical subjects, students complete certain subjects in the humanities and social sciences, in conformity with the University's policy that science based faculties should include instruction in subjects of a general educational character.

The following broad outline has been prepared to give students who enrol an indication of their program. This is followed by details of the first, second, third and fourth year courses. Enrolled students will be provided with details of fifth year as soon as they become available.

#### First Year

The first year includes Introductory Medical Science, which covers integrated teaching in the components Physics I (Medicine), Chemistry for Medical Students

and Cellular Biology. There is also teaching in Human Structure and Function, Introductory Clinical Studies and Human Behaviour.

## Allocation to Hospitals in Second Year

At the end of Year 1, students are asked to list their preferences regarding assignment to teaching hospitals. This, together with the student's term address, sex, and academic record, is taken into account in the final allocation which is made after the Year 1 examinations. A student representative is involved in the allocation procedure.

## Second Year

This year is conducted in two academic sessions, the principal component of which is an integrated course in human structure and function embracing anatomy, biochemistry and physiology. The objective of this course is to give students a broad knowledge and understanding of human structure and function based on scientific principles, relevant to further study in medicine. In this year 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 strands dealing with Human Behaviour and Clinical Studies, which commenced in Year 1 are continued.

## Third Year

The principal program in third year deals with courses in paraclinical science, integrating general pathology, microbiology, immunology and pharmacology. The strand dealing with human behaviour and community medicine is continued. This year introduces the beginning of a program based on the principal teaching hospitals. Students build upon their experience of the physical aspects of disordered function in a systematic study of the signs and symptoms of disease. In addition, studies continued to reinforce the scientific basis of medicine. Year 3 is conducted over four terms totalling thirty-eight weeks. By the end of Year 3, the student has spent sufficient time in the hospital environment to know how a hospital functions. He should be able to communicate with patients and understand their problems, take a clinical history, conduct a physical examination, and detect abnormalities.

## Fourth Year

Year 4 of the course is largely based in the teaching hospitals and is composed of four terms totalling thirty-eight weeks. The course is called Integrated Clinical Studies and is provided principally by the Schools of Medicine, Surgery and Pathology, assisted by the Schools of Community Medicine, Psychiatry, Physiology and Pharmacology and Microbiology. Where possible the emphasis is to teach these subjects in an integrated

manner. Each main teaching hospital is responsible for the implementation of its own program through a hospital course committee appointed by the respective Board of Medical Studies.

The aim of the course is to enable the student to acquire the competence to function as a general medical or surgical intern. The course is designed to provide a broad experience in clinical care including continuing care with follow-up in the community. In each week, it is suggested that at least half the student's time should be spent in clinical clerking with a further structured component of two and one half hours of formal pathology. The remainder of the course consists of interdisciplinary seminars involving all of the clinical disciplines. On completion of this program students are assessed by an integrated examination conducted on a Faculty basis which is designed to confirm the student's clinical competence. The examination supplements continuous assessments made during the year and represents a barrier assessment for determining the student's progression into the 5th year of the course.

## Fifth Year

It is proposed that Year 5 will comprise five terms each of eight weeks. This year will include instruction in medicine, surgery, paediatrics, psychiatry, obstetrics and gynaecology and an elective term.

Students will be offered a wide range of electives but they may also elect to spend this term in residence in one of the associated hospitals of the University.

Students who wish to undertake some other activity may submit a plan for approval by the Dean. Projects may include medical work in another country, or in a country hospital, participation in a general practice or some similar activity.

## Year 1

			Hours per week	
			S1*	S2
1.941	Physics I (Medicine)	} Introductory Medical Science	4	0
2.011	Chemistry for Medical Students**		8	0
80.201	Cellular Biology		6	0
80.011	Introductory Clinical Studies I		3	2
	General Studies Elective		3	3
80.111	Human Structure and Function I		0	18
80.211	Human Behaviour I		0	3
			<hr/>	
			24	26

\*\*From 1979 onwards the prerequisite for this subject is two-unit Science (Chemistry) at grades 1, 2 or 3, or four-unit Science (Multi-strand) at grades 1, 2 or 3.

**Year 2**

		Hours per week	
		S1	S2
80.112	Human Structure and Function II	19	19
80.012	Clinical Studies II	2	2
80.212	Human Behaviour II	3	3
	General Studies Elective	1½	1½
		25½	25½

**Year 3**

		Hours per term			
		Term 1* (9 weeks)	Term 2* (10 weeks)	Term 3* (9 weeks)	Term 4* (10 weeks)
79.112	Community Medicine	18	20	36	0
80.013	Clinical Studies III	67	65	59	80
80.311	Paraclinical Science	107	135	123	94
80.321	Medical Science	10	10	18	20
	General Studies Elective	42 hours spread over four terms			

\*Includes tutorials, laboratory work, and where applicable, tutorial time in wards and clinics.

**Year 4**

		Term 1* (9 weeks)	Term 2* (10 weeks)	Term 3* (9 weeks)	Term 4* (10 weeks)
80.400	Integrated Clinical Studies				

\*Includes tutorials, laboratory work and, where applicable tutorial time in wards, clinics and clinical attachments.

## 6 Year Undergraduate Course (For students enrolled in 1973 or earlier)

**Clinical Years 5 and 6**

The clinical curriculum includes instruction in medicine, surgery, obstetrics and gynaecology, paediatrics, psychiatry, pathology, human genetics, and community medicine.

These subjects are taught largely in the teaching hospitals of the University. Instruction is mainly by bedside teaching and tutorials. Active student participation is ensured by arrangement that all students serve as clinical clerks for a period of some two years.

The clinical years are each made up of four terms. All terms are of ten weeks' duration. The amount of rostered time will be restricted to not more than 27 hours each week. This should allow at least one half-day of free time each week. In addition, electives are offered in the final two years of the course.

## Block Teaching Arrangements

**Years 5 and 6**

Under these arrangements the syllabus is not fragmented, but instead individual fields are compacted to form blocks of teaching, and in place of studying a number of subjects concomitantly, students concentrate on one subject for a whole term. For this purpose, students are allocated to a particular group — Group A, B, C, or D — and follow the program of that group for seven terms.

A teaching block consists of all working days except Wednesday mornings in a ten-week term. Community Medicine is timetabled on Wednesday mornings during terms 5.1 to 5.3, both inclusive.

The following should be noted:

1. Students are required to attend autopsy demonstrations totalling 40 hours during Fifth and Sixth Years.
2. Residency periods are offered in each of the clinical subjects.

## Teaching Blocks

The sequence of teaching in the clinical blocks may vary slightly from hospital to hospital.

GROUP	A	B	C	D
Term 5.1	Surgery	Medicine	Psychiatry	Paediatrics
Term 5.2	Paediatrics	Psychiatry	Medicine	Surgery
Term 5.3	Psychiatry	Paediatrics	Surgery	Medicine
Term 5.4	Medicine	Surgery	Obstetrics and Gynaecology	Elective*
Term 6.1	Surgery	Medicine	Elective*	Obstetrics and Gynaecology
Term 6.2	Obstetrics and Gynaecology	Elective*	Medicine	Surgery
Term 6.3	Elective*	Obstetrics and Gynaecology	Surgery	Medicine
Term 6.4	Final Revision and Examination	Final Revision and Examination	Final Revision and Examination	Final Revision and Examination

\* 1. Subject to the approval of the clinical school involved, an elective may be taken in any of the clinical terms.

2. Students may elect to spend this term in residence in one of the associated hospitals of the University. Arrangements for them to do so are co-ordinated through the Faculty office.

3. Students who wish to undertake some other activity may submit a plan for approval by the Dean. Projects may include work in a school or department of the University or in hospitals, medical work in another country, participation in the work of a government or local government authority, residency in a country hospital as mutually arranged by the student and the hospital, participation in a general practice or some similar activity.

### Undergraduate Study

## 381 Bachelor of Science (Medicine)

A one-year program leading to the degree of BSc(Med) is also offered to students in the medical course who have achieved a high standard in their studies. 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.

The rules governing the award of the Bachelor of Science (Medicine) Degree are currently being reviewed. Details of the revised rules are expected to be available from 1 November 1976.

Prospective candidates who are undertaking either the 5 year Medical Course or the 6 year Medical Course are requested to seek details of such revised rules from the Faculty of Medicine Office.

## Graduate Study

At the graduate level, study for the degrees of Doctor of Medicine (MD) and Master of Surgery (MS) may be undertaken; in addition the degrees of Doctor of Philosophy (PhD) and Master of Science (MSc) 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**.

# Conditions for the Award of Higher Degrees

## Conditions for the Award of 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 **Disciplines of the University: Faculty Table (Undergraduate Study)** in the Calendar.

## Conditions for the Award of 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 are published.

For the list of graduate degrees by research and course work, arranged in faculty order, see **Disciplines of the University: Faculty Table (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.

	Title	Abbreviation	Calendar/Handbook
Higher Degrees	Doctor of Science	DSc	Calendar
	Doctor of Letters	DLitt	Calendar
	Doctor of Laws	LLD	Calendar
	Doctor of Medicine in the Faculty of Medicine	MD	Calendar Medicine

\*Not including General Studies Handbook.



Title	Abbreviation	Calendar/Handbook
<b>Doctor of Philosophy</b>	<b>PhD</b>	<b>Calendar and all faculties</b>
Master of Applied Science	MAppSc	Applied Science
Master of Architecture	MArch	Architecture
Master of Arts	MA(Hons)	Arts Military Studies
	MA	Arts Military Studies
Master of Building	MBuild	Architecture
Master of Business Administration	MBA	Commerce**
Master of Business Administration	MBA	AGSM
Master of Chemistry by Formal Course Work	MChem	Sciences*
Master of Commerce (Honours)	MCom(Hons)	Commerce
Master of Commerce by Formal Course Work	MCom	Commerce
Master of Education	MEd	Professional Studies
Master of Engineering	ME	Applied Science
Master of Engineering without Supervision		Engineering Military Studies Sciences*
Master of Engineering Science	MEngSc	Engineering
Master of General Studies	MGenStud	General Studies
Master of Health Administration	MHA	Professional Studies
Master of Health Personnel Education	MHPED	Calendar†
Master of Health Planning	MHP	Professional Studies
Master of Landscape Architecture	MLArch	Architecture
Master of Laws by Research	LLM	Law
Master of Librarianship by Formal Course Work	MLib	Professional Studies
Master of Librarianship by Research		
Master of Mathematics	MMath	Sciences*
Master of Optometry	MOptom	Sciences*
Master of Psychology	MPsychol	Sciences‡
Master of Public Administration	MPA	AGSM
Master of Science	MSc	Applied Science
Master of Science without Supervision		Engineering Medicine Military Studies Professional Studies Sciences*‡
Master of Science (Acoustics)	MSc(Acoustics)	Architecture
Master of Science and Society by Formal Course work	MScSoc	Sciences*
Master of Science (Biotechnology)	MSc(Biotech)	Sciences‡
Master of Science (Building)	MSc(Building)	Architecture
Master of Science (Building Services)	MSc(Building Services)	Architecture

Title	Abbreviation	Calendar/Handbook
Master of Social Work by Research	MSW	Professional Studies
Master of Social Work by Formal Course Work		
Master of Statistics	MStats	Sciences*
<b>Master of Surgery</b>	<b>MS</b>	<b>Medicine</b>
Master of Surveying	MSurv	Engineering
Master of Surveying without Supervision		
Master of Surveying Science	MSurvSc	Engineering
Master of Town Planning	MTP	Architecture

## Graduate Diplomas

Graduate Diploma	GradDip	Applied Science Architecture Engineering Sciences*‡
Graduate Diploma in the Faculty of Professional Studies	DipArchivAdmin DipEd DipLib GradDip	Professional Studies

\*\*Course withdrawn at end of 1977.

\*Faculty of Science.

†Professorial Board.

‡Faculty of Biological Sciences.

## Doctor of Medicine (MD) in the Faculty of Medicine

1. The degree of Doctor of Medicine may be granted by the Council on the recommendation of the Professorial Board for an original and meritorious contribution to some branch of medicine.

### Qualifications

2. A candidate before being eligible for the degree of Doctor of Medicine shall:

A hold the degrees of Bachelor of Medicine and Bachelor of Surgery with honours from the University of New South Wales with at least five years' standing; or

B hold the degrees of Bachelor of Medicine and Bachelor of Surgery and of Bachelor of Science (Medicine) from the University of New South Wales with at least five years' standing in respect of the degree of Bachelor of Medicine and Bachelor of Surgery; or

C if he holds the degrees of Bachelor of Medicine and Bachelor of Surgery with at least five years' standing from the University of New South Wales but without honours, submit for the approval of the Faculty of Medicine (hereinafter referred to as 'the Faculty'), such other evidence in support of his candidature as may be approved by the Faculty; or

D hold the degrees of Bachelor of Medicine and Bachelor of Surgery with honours of an approved 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 six sessions; or

E in other cases, submit such evidence of general and professional qualifications in support of his candidature as may be approved by the Faculty of Medicine on the recommendation of the Faculty Higher Degree Committee.

**3.** Notwithstanding any other provisions of these conditions the Faculty may require an applicant to demonstrate fitness for candidature by carrying out such work and sitting for such examinations as the Faculty may determine.

**4.** A candidate may be awarded the degree on the basis of a thesis or on the basis of his published work.\*

**5.** Candidates, other than those who hold the degrees of MB BS of the University of New South Wales shall work under such supervision as the Faculty Higher Degree Committee may determine.

**6.** The progress of supervised candidates shall be reviewed annually by the Faculty Higher Degree Committee. As a result of such review, and the recommendation of the Head of School or Department in which the candidate is registered, the Committee may terminate the candidature or take such other action as is considered appropriate.

**7.** Where a candidate elects to proceed to the degree by thesis he shall lodge an application with the Registrar on the prescribed form.

**Thesis**

**8.** The thesis shall comply with the following requirements:

**A** if a candidate 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 Faculty may permit candidates to conduct their 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. Such permission will be granted only if the candidate spends such period of time within the University and under such supervision as may be determined by the Faculty on the recommendation of the Higher Degree Committee;

**B** it must be an original and meritorious contribution to knowledge of the subject;

**C** it must be written in English and reach a satisfactory standard of expression and presentation;

**D** it must consist of the candidate's own account of his research. In special cases work done conjointly with other persons may be accepted provided the Faculty is satisfied on the candidate's part in the joint research.

**9.** A candidate may not submit as the main content of his thesis any work or material which he has previously submitted for a university degree or other similar award.

**10.** 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 he has published whether or not such work is related to the thesis.

**11.** 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.

**12.** All copies of the thesis shall contain a short abstract of the thesis comprising not more than 600 words, which inter alia, shall indicate wherein the thesis has made an original contribution and its significance to medicine.

\*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.

**13.** Candidates for the degree, other than graduates of the University of New South Wales, shall present themselves for examination not later than ten academic sessions from the date of their registration. In special cases an extension of time may be granted by the Faculty Higher Degree Committee.

**14.** There shall normally be three examiners of the thesis, appointed by the Professorial Board on the recommendation of the Faculty, at least two of whom shall be external examiners.

**15.** After the examiners have read the thesis they may:

**A** recommend the award of the degree;

**B** request additional work on the thesis before proceeding with the examination;

**C** arrange for the candidate to be examined orally or in writing on the subject of the thesis, published work or subjects relevant thereto;

**D** recommend that the candidate be not awarded the degree of Doctor of Medicine.

**16.** At the conclusion of the examination, the examiners shall submit to the Faculty a concise report on the merits of the thesis and their recommendations.

### Published Work

**17.** Where a candidate elects to proceed to the degree on the basis of published work he shall forward to the Registrar an application on the prescribed form. With such application the candidate shall forward:

**A** four Copies (wherever possible) of his published work.

**B** a statutory declaration indicating those sections of the work, if any, which have been submitted previously for a degree or diploma in any university.

**18.** Every candidate in submitting his published work and such unpublished work as he deems appropriate shall submit a short discourse describing the research activities embodied in his submission. The discourse shall make clear the extent of originality and the candidate's part in any collaborative work.

**19.** There shall normally be three examiners of the work, appointed by the Professorial Board on the recommendation of the Faculty, at least two of whom shall be external examiners. The examiners may require the candidate to answer orally or in writing any questions concerning his work.

**20.** At the conclusion of the examination the examiners shall submit a concise report to the Faculty on the merits of the published work and their recommendation.

### Fees

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

## Doctor of Philosophy (PhD)

**1.** The degree of Doctor of Philosophy may be granted by the Council on the recommendation of the Professorial Board to a candidate who has made an original and significant contribution to knowledge and who has satisfied the following requirements:

### Qualifications

**2.** A candidate for registration for the degree of Doctor of Philosophy shall:

**A** hold an honours degree from the University of New South Wales; or

**B** hold an honours degree of equivalent standing from another approved university; or

**C** if he holds a degree without honours from the University of New South Wales or other approved university, have achieved by subsequent work and study a standard recognised by the appropriate Faculty or Board of Studies as equivalent to honours; or

D in exceptional cases, submit such other evidence of general and professional qualifications as may be approved by the Professorial Board on the recommendation of the Faculty or Board of Studies.

3. When the Faculty or Board of Studies is not satisfied with the qualifications submitted by a candidate, the Faculty or Board of Studies may require him, before he is permitted to register, to undergo such examination or carry out such work as the Faculty or Board of Studies may prescribe.

4. A candidate for registration for a course of study leading to the degree of Doctor of Philosophy shall:

A apply to the Registrar on the prescribed form at least one calendar month before the commencement of the session in which he desires to register; and

B submit with his application a certificate from the head of the University school in which he proposes to study stating that the candidate is a fit person to undertake a course of study and research leading to the degree of Doctor of Philosophy and that the school is willing to undertake the responsibility of supervising the work of the candidate and of reporting to the Faculty or Board of Studies at the end of the course on the merits of the candidate's performance in the prescribed course.

5. Subsequent to registration the candidate shall pursue a program of advanced study and research for at least six academic sessions, save that:

A a candidate fully engaged in advanced study and research for his degree, who before registration was engaged upon research to the satisfaction of the Faculty or Board of Studies, may be exempted from not more than two academic sessions;

B in special circumstances the Faculty or Board of Studies may grant permission for the candidate to spend not more than one calendar year of his program in advanced study and research at another institution provided that his work can be supervised in a manner satisfactory to the Faculty or Board of Studies;

C in exceptional cases, the Professorial Board on the recommendation of the Faculty or Board of Studies may grant permission for a candidate to be exempted from not more than two academic sessions.

6. A candidate who is fully engaged in research for the degree shall present himself for examination not later than ten academic sessions from the date of his registration. A candidate not fully engaged in research shall present himself for examination not later than twelve academic sessions from the date of his registration. In special cases an extension of these times may be granted by the Faculty or Board of Studies.

7. The candidate shall be required to devote his whole time to advanced study and research, save that:

A the Faculty or Board of Studies may permit a candidate on application to undertake a limited amount of University teaching or outside work which in its judgement will not interfere with the continuous pursuit of the proposed course of advanced study and research;

B a member of the full-time staff of the University may be accepted as a part-time candidate for the degree, in which case the Faculty or Board of Studies shall prescribe a minimum period for the duration of the program;

C in special circumstances, the Faculty or Board of Studies may, with the concurrence of the Professorial Board, accept as a part-time candidate for the degree a person who is not a member of the full-time staff of the University and is engaged in an occupation which, in its opinion, leaves the candidate substantially free to pursue his program in a school of the University. In such a case the Faculty or Board of Studies shall prescribe for the duration of his program a minimum period which, in its opinion, having regard to the proportion of his time which he is able to devote to the program in the appropriate University school is equivalent to the six sessions ordinarily required.

### Registration

**8.** Every candidate shall pursue his program under the direction of a supervisor appointed by the Faculty or Board of Studies from the full-time members of the University staff. The work, other than field work, shall be carried out in a School of the University save that in special cases the Faculty or Board of Studies may permit candidates to conduct their work at other places where special facilities not possessed by the University may be available. Such permission will be granted only if the direction of the work remains wholly under the control of the supervisor.

**9.** Not later than two academic sessions after registration the candidate shall submit the topic of his research for approval by the Faculty or Board of Studies. After the topic has been approved it may not be changed except with the permission of the Faculty or Board of Studies.

**10.** A candidate may be required by the Faculty or Board of Studies to attend a formal course of study appropriate to his work.

**Thesis**

**11.** On completing his course of study every candidate must submit a thesis which complies with the following requirements:

**A** the greater proportion of the work described must have been completed subsequent to registration for the PhD degree;

**B** it must be an original and significant contribution to the knowledge of the subject;

**C** it must be written in English except that a candidate in the Faculty of Arts may be required by the Faculty on the recommendation of the supervisor to write the thesis in an appropriate foreign language;

**D** it must reach a satisfactory standard of expression and presentation.

**12.** The thesis must present the candidate's own account of his research. In special cases work done conjointly with other persons may be accepted, provided the Faculty or Board of Studies is satisfied on the candidate's part in the joint research.

**13.** Every candidate shall be required to submit with his thesis a short abstract of the thesis comprising not more than 600 words.

*The abstract shall indicate:*

**A** the problem investigated;

**B** the procedures followed;

**C** the general results obtained;

**D** the major conclusions reached;

*but shall not contain any illustrative matter, such as tables, graphs or charts.*

**14.** A candidate may not submit as the main content of his thesis any work or material which he has previously submitted for a university degree or other similar award.

**Entry for Examination**

**15.** The candidate shall give in writing two months' notice of his intention to submit his thesis and such notice shall be accompanied by the appropriate fee.

**16.** Four copies of the thesis shall be submitted together with a certificate from the supervisor that the candidate has completed the course of study prescribed in his case. The 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 he has published whether or not such work is related to the thesis.

**17.** 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.

**18.** There shall normally be three examiners of the thesis, appointed by the Professorial Board on the recommendation of the Faculty or Board of Studies, at least one of whom shall be an external examiner.

**19.** After examining the thesis the examiners may:

**A** decide that the thesis reaches a satisfactory standard; or

**B** recommend that the candidate be required to re-submit his thesis in revised form after a further period of study and/or research; or

**C** recommend without further test that the candidate be not awarded the degree of Doctor of Philosophy.

**20.** If the thesis reaches the required standard, the examiners shall arrange for the candidate to be examined orally and, at their discretion, by written papers and/or practical examinations on the subject of the thesis and/or subjects relevant thereto, save that on the recommendation of the examiners the Faculty or Board of Studies may dispense with the oral examination.

**21.** If the thesis is of satisfactory standard but the candidate fails to satisfy the examiners at the oral or other examinations, the examiners may recommend the University to permit the candidate to represent the same thesis and submit to a further oral, practical or written examination within a period specified by them but not exceeding eighteen months.

**22.** At the conclusion of the examination, the examiners will submit to the Faculty or Board of Studies a concise report on the merits of the thesis and on the examination results, and the Faculty or Board of Studies shall recommend whether or not the candidate may be admitted to the degree.

**23.** A candidate shall be required to pay such fees as may be determined from time to time by the council.

**1.** The degree of Master of Science may be granted by the Council on the recommendation of the Professorial Board 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 Science (MSc)**

**2.** An application to register as a candidate for the degree of Master of Science shall be made on the prescribed form which shall be lodged with the Registrar at least one full calendar month before the commencement of the session in which the candidate desires to register.

**3. A** An applicant for registration for the degree shall have been admitted to the degree of Bachelor of Science in the University of New South Wales, or other approved University, in an appropriate School or Department.

**B** In exceptional cases a person may be permitted to register as a candidate for the degree if he submits evidence of such academic and professional attainments as may be approved by the Professorial Board on the recommendation of the appropriate Faculty or Board of Studies.

**4.** Notwithstanding any other provisions of these conditions the Faculty or Board of Studies may require an applicant to demonstrate fitness for registration by carrying out such work and sitting for such examinations as the Faculty or Board of Studies may determine.

**5.** In every case before permitting an applicant to register as a candidate the Faculty or Board of Studies shall be satisfied that adequate supervision and facilities are available.

**6.** An approved applicant shall register in one of the following categories:

**A** student in full-time attendance at the University;

**B** student in part-time attendance at the University;

**C** student working externally to the University;

and shall pay such fees as may be determined from time to time by the Council.

**7.** Every candidate for the degree shall be required to submit three copies of a thesis embodying the results of an original investigation or design, to take such examinations and to perform such other work as may be prescribed by the Faculty or Board of Studies. 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 submit also for examination any work he has published whether or not such work is related to the thesis.

**8.** 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.

**9.** The investigation, design and other work as provided in paragraph 7, shall be carried out under the direction of a supervisor appointed by the Faculty or Board of Studies or under such conditions as the Faculty or Board of Studies may determine.

At least once a year and at any other time that the Higher Degree Committee sees fit, the candidate's supervisor shall present to the Head of School in which the candidate is registered a report on the progress of the candidate. The Committee shall review the report and as a result of its review may cancel registration or take such other action as it considers appropriate.

**10.** Unless otherwise recommended by the Committee, no candidate shall be awarded the degree until the lapse of four complete sessions from the date of registration, save that in the case of a candidate who obtained the degree of Bachelor with Honours or who has had previous research experience, this period may be reduced by up to two sessions with the approval of the Committee. A candidate who is fully engaged in research for the degree shall present himself for examination not later than six academic sessions from the date of registration. A candidate not fully engaged in research shall present himself for examination not later than twelve academic sessions from the date of his registration. In special cases an extension of these times may be granted by the Committee.

**11. A** A candidate shall give in writing to the Registrar two months' notice of his intention to submit his thesis.

**B** For each candidate there shall be at least two examiners, appointed by the Professorial Board on the recommendation of the Committee, one of whom, if possible, shall be external to the University.

**C** After examining the thesis an examiner may:



1. recommend that the candidate be awarded the degree without further examination  
or
2. recommend that the candidate be awarded the degree subject to minor corrections as listed being made to the satisfaction of the Head of School  
or
3. recommend that the candidate be not awarded the degree but be permitted to resubmit his thesis in a revised form after a further period of study and/or research  
or
4. recommend that the candidate be not awarded the degree and be not permitted to resubmit his thesis.

**D** In considering a recommendation made in terms of clause 3 of sub-condition C of this condition the Committee may specify the period within which the thesis is to be resubmitted.

**E** Having considered the examiners' reports the Committee shall recommend to the Professorial Board whether or not the candidate should be admitted to the degree.

**1. There shall be three prerequisites for the award of the degree of Master of Surgery:**

**Master of Surgery (MS)**

**A** The candidate shall produce evidence acceptable to the Faculty of Medicine (hereinafter referred to as 'the Faculty') that he has had a broad postgraduate training in the principles and practice of surgery and that this has been gained over a period of at least three years' full-time engagement in the subject under conditions approved by the Faculty. This requirement need not be completed prior to registration as a candidate.

**B** The candidate shall have presented a satisfactory thesis.

**C** *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 the teaching hospitals of the University.

**2.** An application to register as a candidate for the degree of Master of Surgery shall be made on the prescribed form, which shall be lodged with the Registrar at least one full calendar month before the commencement of the session in which the candidate desires to register.

**3. A** An applicant for registration shall have been admitted to the degrees of Bachelor of Medicine and Bachelor of Surgery in the University of New South Wales, or other approved university, not less than three years previously.

**B** In special circumstances a person may be permitted to register as a candidate for the degree if he submits evidence of such academic and professional attainments as may be approved by the Faculty on the recommendation of its Higher Degree Committee.

**4.** Notwithstanding any other provisions of these conditions, the Faculty may require an applicant to demonstrate fitness for registration by carrying out such work and sitting for such examinations as the Faculty may determine.

**5.** In every case, before permitting an applicant to register as a candidate, the Faculty shall be satisfied that adequate supervision and facilities are available.

**6.** An approved applicant shall register in one of the following categories:

**A** student in full-time attendance at the University or one of its teaching hospitals;

**B** student in part-time attendance at the University or one of its teaching hospitals;

**C** student working externally to the University;

and shall pay such fees as may be determined from time to time by the Council.

- 7.** Every candidate for the degree shall be required to submit a thesis embodying a substantially original contribution to knowledge in some field related to surgery, and may be required to take such examinations and to perform such other work as may be prescribed by the Faculty. 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 submit also for examination any work he has published, whether or not such work is related to the thesis.
- 8.** 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.
- 9.** The investigation or research as provided in paragraph 7. shall be carried out under the direction of a supervisor appointed by the Faculty or under such conditions as the Faculty may determine
- 10.** No candidate shall be considered for the award of the degree less than five years after admission to the degrees of Bachelor of Medicine and Bachelor of Surgery and until the lapse of four complete sessions from the date from which the registration becomes effective, save that in the case of a candidate who has had previous research experience, this period may, with the approval of the Faculty, be reduced by up to two sessions.
- 11.** There shall normally be three examiners of the thesis, appointed by the Professorial Board on the recommendation of the Faculty, at least two of whom shall be external examiners.

\*See Conditions for the Award of Degrees in the Calendar.

# Subject Descriptions and Textbooks

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## Identification of Subjects by Numbers

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Each of the subjects taught in the University is identifiable both by number and by name. This is a fail-safe measure at the points of enrolment and examination against a student nominating a subject other than the one intended. Subject numbers are allocated by the Assistant Registrar, Examinations and Student Records, and the system of allocation is:

1. The School offering a subject is indicated by the number before the decimal point;
2. If a subject is offered by a Department within a School, the first number after the decimal point identifies that Department;
3. The position of a subject in a sequence is indicated by the third number after the decimal point. For example, 2 would indicate that the subject is the second in a sequence of subjects;
4. Graduate subjects are indicated by the suffix G.

As indicated above, a subject number is required to identify each subject in which a student is to be enrolled and for which a result is to be returned. Where students may take electives within a subject, they should desirably be enrolled initially in the particular elective, and the subject numbers allotted should clearly indicate the elective. Where it is not possible for a student to decide on an elective when enrolling or re-enrolling, and separate examinations are to be held in the electives, Schools should provide to the Examinations and Student Record Section in April (Session 1) and August (Session 2) the names of students taking each elective.

Details of the actual dates in April and August are set out in the Calendar of Dates earlier in this volume.

Those subjects taught in each Faculty are listed in full in the handbook of that Faculty, together with the subject description and the required textbook list, in the section entitled Subject Descriptions and Textbooks. For General Studies subjects see the General Studies handbook, which is available free of charge.

The Identifying numbers for each School are set out below.

*continued next page*

**School, Department etc Faculty**  
 \*Subjects also offered for courses in this handbook.

1	School of Physics	Science*
2	School of Chemistry	Science*
3	School of Chemical Engineering	Applied Science
4	School of Metallurgy	Applied Science
5	School of Mechanical and Industrial Engineering	Engineering
6	School of Electrical Engineering	Engineering
7	School of Mining Engineering	Applied Science
8	School of Civil Engineering	Engineering
9	School of Wool and Pastoral Sciences	Applied Science
10	School of Mathematics	Science
11	School of Architecture	Architecture
12	School of Psychology	Biological Sciences
13	School of Textile Technology	Applied Science
14	School of Accountancy	Commerce
15	School of Economics	Commerce
16	School of Health Administration	Professional Studies
17	Biological Sciences	Biological Sciences
18	Department of Industrial Engineering	Engineering
19	School of Transportation and Traffic	Engineering
20	School of Highway Engineering	Engineering
21	Department of Industrial Arts	Professional Studies
22	School of Chemical Technology	Applied Science
23	School of Nuclear Engineering	Engineering
25	School of Applied Geology	Applied Science
26	Department of General Studies	Board of Studies in General Education
27	School of Geography	Applied Science
28	School of Marketing	Commerce
29	School of Surveying	Engineering
31	School of Optometry	Science
33	Graduate School of Business	Commerce
35	School of Building	Architecture
36	School of Town Planning	Architecture

**School, Department etc Faculty**

38	School of Food Technology	Applied Science
40	Professorial Board	
41	School of Biochemistry	Biological Sciences
42	School of Biological Technology	Biological Sciences
43	School of Botany	Biological Sciences
44	School of Microbiology	Biological Sciences
45	School of Zoology	Biological Sciences
50	School of English	Arts
51	School of History	Arts
52	School of Philosophy	Arts
53	School of Sociology	Arts
54	School of Political Science	Arts
55	School of Librarianship	Professional Studies
56	School of French	Arts
57	School of Drama	Arts
58	School of Education	Professional Studies
59	School of Russian	Arts
62	School of History and Philosophy of Science	Arts
63	School of Social Work	Professional Studies
64	School of German	Arts
65	School of Spanish and Latin American Studies	Arts
66	Subjects Available from Other Universities	
68	Board of Studies in Science and Mathematics	Board of Studies in Science and Mathematics
70	School of Anatomy	Medicine
71	School of Medicine	Medicine
72	School of Pathology	Medicine
73	School of Physiology and Pharmacology	Medicine
74	School of Surgery	Medicine
75	School of Obstetrics and Gynaecology	Medicine
76	School of Paediatrics	Medicine
77	School of Psychiatry	Medicine
79	School of Community Medicine	Medicine
80	Faculty of Medicine	Medicine
85	Australian Graduate School of Management	AGSM
90	Faculty of Law	Law
97	Division of Postgraduate Extension Studies	

## Subject Descriptions and Textbooks for courses offered in the Faculty of Medicine

1.941

### Physics I (Medicine)

Light, optics, lenses, image formation, instruments, the microscope, the eye, lasers, the ophthalmoscope. Vapor pressure, surface tension, viscosity, wetting, hydrodynamics, fluid flow, the cardiovascular system. Electricity, electrical energy, electrical instruments, capacitors, transients, oscillography, electrochemical cells, membrane potentials, bioelectricity, nerve transmission. Wave motion, modern physics, em radiation, diathermy, photons, quanta, nuclear radiations, radiation biology, quantum vision.

#### Textbook

MacDonald S. G. G. & Burns D. M. *Physics for the Life and Health Sciences—University of Dundee* Addison-Wesley

Notes are also made available for students.

2.011

### Chemistry for Medical Students

*Prerequisite: Two-unit Science (Chemistry) at grades 1, 2 or 3, or Four-unit Science (Multistrand) at grades 1, 2 or 3.*

A terminating subject for Medical Students.

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.

#### Textbooks

Aylward G. H. & Findlay T. J. V. *SI Chemical Data* Wiley

DePuy C. H. & Rinehart K. L. *Introduction to Organic Chemistry* 2nd ed Wiley

Garrett A. B., Lippincott W. T. & Verhoek F. H. *Chemistry: A Study of Matter* 2nd ed Wiley

*Laboratory Manual*, 1977 UNSW

71.112

### Medicine and Therapeutics

Aims to develop further skill in history-taking, physical examination, diagnosis and treatment of disease, so as to be able to understand and state concisely the problem in an individual patient. Equally strong emphasis is placed on the pathologic physiology, the mode of production of symptoms and signs and the manner in which these are modified by therapeutic agents. The clinical clerkship is supplemented by a course of lectures, seminars and tutorials on important topics and attendance at post-mortem examinations. There is a residency period during which students will be expected to participate as fully as possible in the clinical work of the hospital. The emphasis throughout the course is on insight into the mechanisms of common diseases, their diagnosis and treatment. Students are expected to have a lively interest in the preventative social, environmental, genetic and personality factors in disease processes.

#### Textbooks

Sneddon I. B. & Church R. E. *Practical Dermatology* 3rd ed Arnold

Wintrobe M. et al *Harrison's Principles of Internal Medicine* 7th ed McGraw-Hill \$31

or

Beeson B. & McDermott W. *Textbook of Medicine* 14th ed Saunders \$34.50

or

Harvey A. McG., Hohns R. J., Owens A. H. & Ross R. S. *The Principles and Practice of Medicine* 19th ed Appleton \$27.50

74.111

### Surgery

Sets out to provide a sound knowledge and understanding of common surgical conditions, with the emphasis on clinical experience rather than didactic teaching. During Years 5 and 6 students spend periods engaged in the clinical activities of general surgical units. They also have clinical experience and tutorial instruction in most of the specialized aspects of surgery, including orthopaedic and accident surgery as well as anaesthesia and resuscitation. Further practical experience is provided, during the period of associated hospital residency.

#### Textbooks

*5th and 6th Years*

Adams J. C. *Outline of Fractures, including Joint Injuries* Livingstone

Adams J. C. *Outline of Orthopaedics* Churchill Livingstone

Bailey H. *Physical Signs in Clinical Surgery* Wright

Huckstep R. L. *A Simple Guide to Trauma* Churchill Livingstone

And one of the following three:

Bailey H. & Love R. J. *Short Practice of Surgery* Rains A. J. H. & Gapper W. M. eds Lewis

Moyer C. A., Rhoades J. E., Allen J. G. & Harkins H. N. *Surgery—Principles and Practice* Lippincott

Schwartz S. *Principles of Surgery* McGraw-Hill

75.111

### Obstetrics and Gynaecology

Instruction in obstetrics is designed to provide an understanding of the physiological and psychological changes that occur in normal pregnancy and the process of normal labour and the puerperium with an introduction to the common abnormalities encountered during pregnancy, labour and the puerperium.

Practical instruction is limited to the management of a normal pregnancy. Although there is some observation of women in labour, students are expected to undertake postgraduate training before accepting responsibility for supervising a normal delivery.

In gynaecology the emphasis is on menstrual function, both normal and abnormal, fertility control, infertility, vaginal and pelvic infections and the detection of benign and malignant pelvic neoplasms. The complications of early pregnancy are by tradition included in gynaecology as are also the late complications of confinement such as genital prolapse.

Students are expected to master the technique of patient interviewing and history-taking and to be able to carry out a pelvic examination.

## 76.111

### Paediatrics

In fifth year one term is devoted to paediatric medicine and surgery including studies of social aspects of paediatrics, and the prevention of disease and accidents. There is emphasis on clinical clerking both on inpatients and outpatients. Approximately one-quarter of the time is spent in residence. During the sixth year studies in newborn physiology and disease are commenced during the obstetrics term.

#### Textbooks

Kempe C. H., Silver H. K. & O'Brien D. *Current Paediatric Diagnosis and Treatment* 3rd ed Lange \$14

Nixon H. H. & O'Donnell B. *The Essentials of Paediatric Surgery* 3rd ed Heinemann

## 77.111

### Psychiatry

In the first three terms of fifth year each of four groups of students receives clinical instruction for one term. The main topics include psychiatric examination, mental subnormality, psychoneuroses, psychopathy, affective disorders, schizophrenia, alcoholism and drug addiction, mental illness associated with brain disease, epilepsy, ageing and the mental disease of the aged, psychotherapy, psychopharmacology, methods of physical treatment, and sociotherapy. Revision in fourth term of sixth year.

A period of residence is provided and visits are arranged to community psychiatric services.

#### Textbook

Batchelor I. R. C. *Henderson and Gillespie's Textbook of Psychiatry* OUP 1973 \$9

or

Solomon P & Patch V. D. *Handbook of Psychiatry* Lange 1974 \$9.35

## 79.111

### Community Medicine

Community Medicine has been limited to five areas, Community Health; General Practice and Family Medicine; Health Services Administration; Medical Law and Ethics; Preventive Medicine and Epidemiology.

The course is presented throughout 5th Year (4.4 to 5.3). The teaching is divided into four parts; the formal program in the lecture theatre, the preceptorship attached with family physicians, the visits to community health resources and preceptorship in preventive medicine.

#### Textbook

Gordon D. *Health, Sickness and Society* Univ of Qld.

## 79.112

### Community Medicine

Community Medicine involves Community Health; Family Medicine; Health Services Administration; Medical Law and Ethics; and attachments in General Practice.

The course also includes community aspects of Human Genetics and Medical Statistics.

The formal program will be taught in the lecture theatre, there will be visits to community health resources and field project work.

#### Textbook

Gordon D. *Health, Sickness and Society* Univ of Qld.

## Clinical Studies

The three year course in 'Clinical Studies' prepares students for clinical clerking in the subject 'Integrated Clinical Studies' in the fourth year of the five year medical course. Students learn 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.

## 80.011

### Introductory Clinical Studies I

In first year students learn, mainly by the experience of interviewing people, how to communicate with patients and to take relevant psychosocial histories, and to understand the effects of illness on an individual and his family in the community. In Session 2 it will be integrated with Human Behaviour I.

#### Textbook

Enelow A. J. & Swisher S. N. *Interviewing and Patient Care* OUP 1972

## 80.012

### Clinical Studies II

The subject is closely integrated with Human Structure and Function, illustrating the application of basic medical science to the clinical situation. The students are introduced to clinical medicine in the principal teaching hospitals and they learn to understand the structure and function underlying certain clinical problems.

#### Textbooks

See under subject 80.013.

## 80.013

### Clinical Studies III

Students attend both the associated and the principal teaching hospitals. Subject is integrated with Paraclinical Science so that students learn to understand the patho-physiology underlying certain diseases. Emphasis is placed on students learning skills in medical history taking and physical examination.

#### Textbooks for 80.012 and 80.013

Bomford R., Mason S. & Swash M. *Hutchison's Clinical Methods* 16th ed Bailliere Tindall

or

Delph M. & Manning R. *Major's Physical Diagnosis* 8th ed Saunders

Clain A. *Hamilton Bailey's Demonstrations of Physical Signs in Clinical Surgery* 15th ed Wright £7.50

Harvey A. McG., Johns R. J., Owens A. H. & Ross R. F. *The Principles and Practice of Medicine* 19th ed Appleton \$27.50

or

Houston J. C., Joiner C. L. & Trounce J. R. *A Short Textbook of Medicine* 5th ed EUP

or  
Macleod J. *Davidson's Principles and Practice of Medicine* 11th ed Churchill Livingstone £4.50

Morgan W. L. & Engel G. L. *The Clinical Approach to the Patient* Saunders

## 80.111 Human Structure and Function I

An introductory subject in Human Anatomy, Physiology and Biochemistry. The basic 'vocabulary' of these disciplines is dealt with as a preparation for the systematic coverage of Human Structure and Function. Lectures, practical classes and tutorials are conducted: in Biochemistry, on the biologically important molecules and their properties and principal metabolic pathways; in Anatomy, on the tissues and the musculo-skeletal system of the body; in Physiology, on general physiological principles with an outline of normal function. Human Embryology from fertilization to organ development.

### Textbooks

Corden M. & Thomas S. *Simplified Food Composition Tables* Commonwealth Department of Health, Nutrition Section Canberra

Gardner E., Gray D. J. & O'Rahilly R. *Anatomy* 4th ed Saunders

Junqueira L. C., Carneiro J. & Contopoulos A. *Basic Histology* Lange

Katz B. *Nerve, Muscle and Synapse* McGraw-Hill

McGilveray R. W. *Biochemistry: A Functional Approach* Saunders 1970 \$16.50

White A., Handler P. & Smith E. *Principles of Biochemistry* 5th ed McGraw-Hill

Mountcastle V. B. *Medical Physiology* Mosby

or  
Guyton A. C. *Textbook of Medical Physiol.* 4th ed Saunders

or  
Ruch T. C. & Patton H. B. *Physiology and Biophysics* 3 vols 20th ed Saunders

Snell R. S. *Clinical Embryology for Medical Students* Little, Brown

or  
Williams W. & Wendell-Smith O. *Basic Human Embryology* 2nd ed Pitman Medical

## 80.112 Human Structure and Function II

Human Structure and Function is an integrated and co-ordinated course covering the anatomy, physiology and biochemistry of the major body systems. Systematic lectures, tutorials, practicals and demonstrations deal with excitable tissues, blood, circulation, respiration, kidney and body fluids, gastro-intestinal tract and metabolism, endocrines, reproduction and development, skin, bone, fat and connective tissues and the nervous system.

Clinical material illustrates the principles being studied and underlines the relevance of the course to the study of medicine. Some drugs of importance in the various systems are discussed.

### Textbook

Barr M. L. *The Human Nervous System, An Anatomical Approach* Harper & Row

## 80.201 Cellular Biology

The subject Cellular Biology, which is presented by the Schools of Anatomy, Physiology and Biochemistry, includes: cell structure, light microscopy and electron microscopy of the cell, techniques of experimental cell biology, tissues and organ histogenesis; cells and the cellular environment, surface membrane of the cell, electrical and other functions, membrane transport, molecules, macromolecules, ionic equilibria across cell membranes, intracellular membrane systems, energy generation and protein synthesis; cell division, differentiation and cell death; growth, healing and neoplasia, integration and control of organized cellular activity, neuro-endocrine system in the control of digestion and reproduction.

### Textbook

Junqueira L. C., Carneiro J. & Contopoulos A. *Basic Histology* Lange

## 80.211 Human Behaviour I

The subject is taught in Session 2 of first year. Instruction is given in the psychology of normal human development (childhood, adolescence, adulthood, old age), and in selected topics in medical sociology and introductory epidemiology, eg the particular problems of disadvantaged groups such as migrants and aborigines in relation to health services; the difficulties entailed in defining what is meant by physical and psychological 'Health'; and the social factors which influence human behaviour. The lecture program is supplemented by extensive use of structured tutorial-discussion sessions.

### Textbook

Susser M. W. & Watson W. *Sociology in Medicine* OUP \$15.30

## 80.212 Human Behaviour II

This subject is taught in both sessions of second year. Instruction is given 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.

Topics include: the influence of heredity and environment on behaviour; human motivation and emotion; the psychophysiology of sleep; altered states of consciousness; gender differences; the psychophysiology of stress; scientific methods in the behavioural sciences; thinking and language; and learning and memory.

In addition to attending lectures and participating in structured tutorial sessions, students carry out experimental practical work.

### Textbooks

Hilgard E. R., Atkinson R. C. & Atkinson R. L. *Introduction to Psychology* Harcourt, Brace & Jovanich 1975 \$11.90

Maas J. B. *Readings in Psychology Today* CRM Books 1974 \$6.65

## 80.311

### Paraclinical Science

Includes components of Microbiology, Immunology, Pathology and Pharmacology, with integration between the various components, and related, in turn, to concurrent clinical work in the hospital.

The component related to *Microbiology* deals with interactions between host and parasite. Basic structure, growth, physiological activity and genetic characteristics of bacteria, viruses and fungi are considered. Means by which these micro-organisms exist in association with man and his environment, how they gain access to tissues and produce disease, and the nature of their responses to various physical, chemical and antibiotic agents which interrupt their normal function. Role of diagnostic bacteriology in clinical work.

A background knowledge of *Immunology* is also important in understanding microbial disease and in applying its basic principles to treatment and prevention of specific diseases.

General discussion on immunology in which the basis of cellular and humoral reactions of animals to foreign agents is considered. Serves as an Introduction to other medical problems in which immunological phenomena are of primary importance, eg, allergy, auto-immune diseases and organ transplantation, examples of which are considered in the pathology component of the course.

*Pathology* deals with the effects of disease on the structure and function of tissues. Examination of the causation of disease and the evolution of its distinctive lesions—ie, the content of what is often referred to as 'general pathology'. This background is necessary for the subsequent study of the distinctive lesions of the various organs that characterize specific disease—ie, 'special pathology'. Concentrates on 'general pathology' ie the effects of injury on cells, inflammation, healing and regeneration, immunopathology, thrombosis, embolism and infarction, abnormalities of growth, and neoplasia. Main disease processes will be illustrated by examples of appropriate diseases. Touches on forensic pathology. The content of pathology in third year prepares the way for the study in fourth year of special pathology, integrated with medicine and surgery.

The component of *Pharmacology* also deals with basic principles, particular emphasis being placed on the mechanisms of drug action, with special reference to drugs of clinical importance. Principles of drug action in man and animals. Where possible, the program in basic Pharmacology is integrated with the hospital program during which some important drug effects in man will be demonstrated.

The program in Paraclinical Science extends over all four terms, Microbiology, Immunology and Pathology being presented by lectures, tutorials, demonstrations, laboratory classes and assignments. The program in basic pharmacology occupies the first three terms, with clinical pharmacology being commenced in fourth term in the form of small group tutorials, which is continued during the later years of the medical course.

#### Textbooks

Jawetz E., Melnick J. L. & Adelberg E. A. *Review of Medical Microbiology* 12th ed Lange 1976 \$10.50

Robbins S. L. *Pathological Basis of Disease* Saunders 1974 \$35.65

Avery G. *Drug Treatment—Principles and Practice of Clinical Pharmacology and Therapeutics* Adis 1976 \$27.50

Goth A. *Medical Pharmacology* 7th ed Mosby \$22.40

or

Goodman L. S. & Gilman A. *The Pharmacological Basis of Therapeutics* 5th ed Collier, Macmillan \$34.50

## 80.321

### Medical Science

Aims to reinforce and extend the students' knowledge and understanding of the structure and function of the human body, and to emphasize the importance of the scientific basis of medicine. Members from all schools in the Faculty and some servicing schools will contribute to the course. Deals with selected areas in depth in order to show the basic principles underlying the application of science to the practice of medicine.

Most topics have an immediate relevance to clinical teaching in the year but emphasis is placed on new areas of scientific knowledge which may be important in the future.

#### Textbooks

No set texts.

## 80.400

### Integrated Clinical Studies

The general aspects of clinical care, aiming to provide students with experience in the medical and surgical wards and in community practice where they participate in clinical attachments.

Systematic pathology is also offered and, where possible, it is integrated with clinical studies. In the fields of general medicine and general surgery and the associated clinical specialities, emphasis on total patient care incorporating aspects of continuing care in the community and in community practice.

In the presentation of interdisciplinary seminars, the Schools of Medicine, Surgery and Pathology receive assistance from all other appropriate Schools.

#### Textbooks

As for 80.013 Clinical Studies III

plus

Robbins S. L. *Pathological Basis of Disease* Saunders 1974\*  
Beeson B. P. & McDermott W. *Textbook of Medicine* 14th ed \$34.50

or

Wintrobe M. M. et al *Harrison's Principles of Internal Medicine* 7th ed McGraw-Hill \$31

Huckstep R. L. *A Simple Guide to Trauma* Churchill Livingstone £1.50

Sneddon I. B. & Church R. E. *Practical Dermatology* 3rd ed Arnold

and any one of the following:

Rains A. J. H. & Ritchie H. D. *Bailey & Loves Short Practice of Surgery* 16th ed Lewis £10

or

Rhoades J. E., Allen J. G. & Harkins H. N. *Surgery—Principles and Practice* 4th ed Lippincott \$24

or

Schwartz S. *Principles of Surgery* 2nd ed 1974 McGraw-Hill \$31.00

\*Previously listed under 80.311 Paraclinical Science.





# The University of New South Wales      Kensington Campus 1977

## Buildings

Applied Science F10  
 Architecture H14  
 Banks F22  
 Basser College C18  
 Biological Sciences D26  
 Biomedical Lecture Theatres E27  
 Central Lecture Block E19  
 Central Store B13  
 Chancellery C22  
 Civil Engineering H20  
 Classroom Block H3  
 Dalton (Chemistry) F12  
 Electrical Engineering G17  
 Electrical Engineering Theatre F17  
 Goldstein College D16  
 Golf House A27  
 Gymnasium B5  
 House at Pooh Corner N8  
 International House C6  
 John Goodsell (Commerce) F20  
 Keith Burrows Lecture Theatre H14  
 Kensington Colleges C17  
 Main Building K15  
 Maintenance Workshop B13  
 Mechanical and Industrial Engineering J17  
 Medicine (Administration) B27  
 Menzies Library E21  
 Metallurgy E8  
 Morven Brown (Arts) C20  
 New College (Anglican) L6  
 Newton J12  
 Old Main Theatre J14  
 Parade Theatre E3  
 Parking Station H25  
 Philip Baxter College D14  
 Robert Heffron (Chemistry) E12  
 Sam Cracknell Pavilion H8  
 Sciences F23  
 Sciences Lecture Theatre Block D23

Science Theatre F13  
 Shalom College (Jewish) N9  
 Sir John Clancy Auditorium C24  
 Sir Robert Webster (Textile Technology) G14  
 Squash Courts B7  
 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 (Roman Catholic) M7  
 Wool and Pastoral Sciences B8

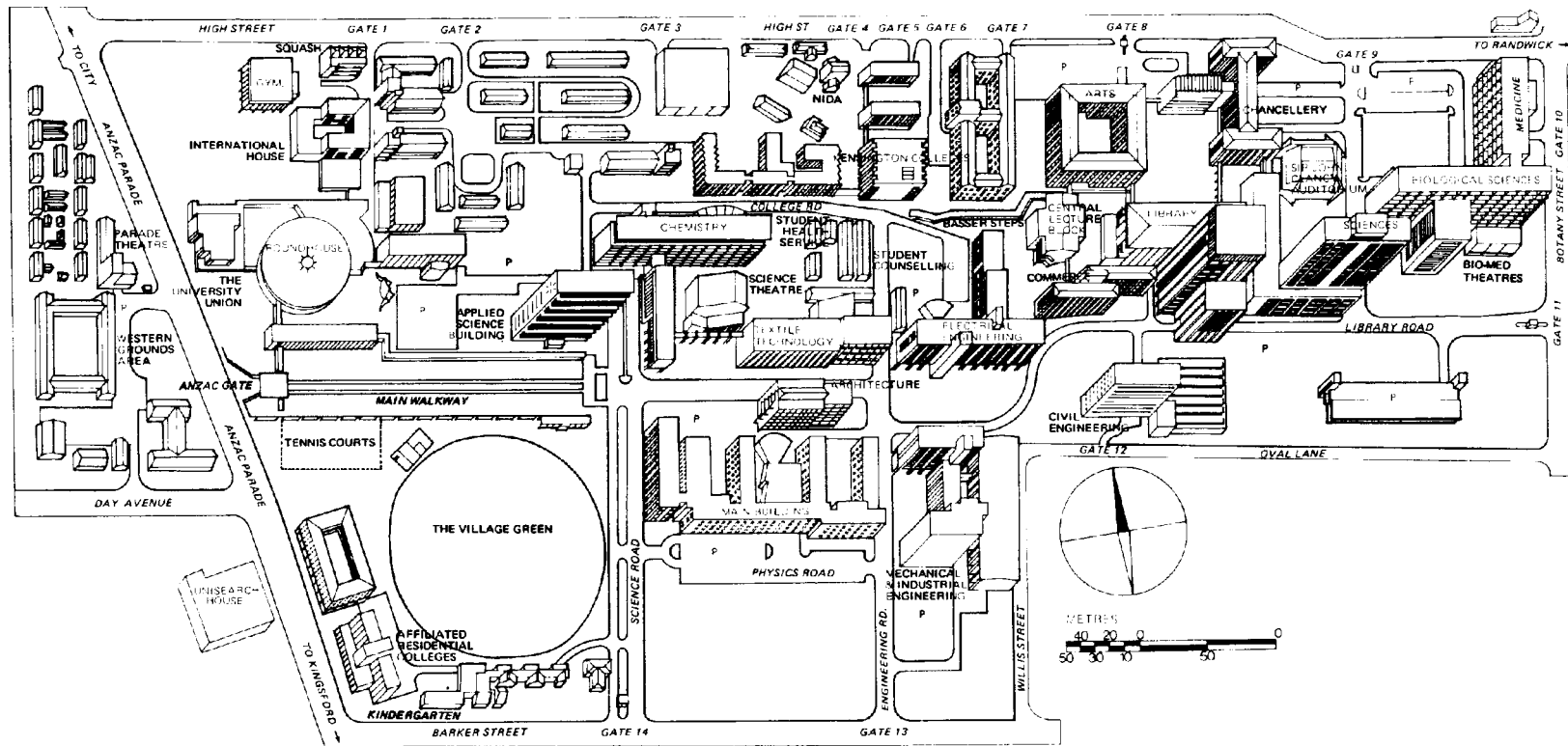
## General

Accountancy C20  
 Admissions Office B23  
 Anatomy C27  
 Applied Geology F10  
 Applied Physics H12  
 Applied Science (Faculty Office) F10  
 Appointments Office B23  
 Architecture (including Faculty Office) F10  
 Arts (Faculty Office) D20  
 Australian Graduate School of Management F23  
 Biochemistry D26  
 Biological Sciences (Faculty Office) D26  
 Biological Technology D26  
 Biomedical Library F23  
 Bookshop G17  
 Botany D26  
 Building H15  
 Cashier's Office B23

Centre for Medical Education Research and Development F24  
 Chemical Engineering F10  
 Chemical Technology F10  
 Chemistry E12  
 Child Minding Centre N8  
 Civil Engineering H20  
 Closed Circuit Television Centre F19  
 Commerce (Faculty Office) F20  
 Community Medicine E25  
 Computer Services Unit F21  
 Drama D9  
 Economics F20  
 Education G1  
 Electrical Engineering G17  
 Engineering (Faculty Office) K17  
 English C19  
 Examinations and Student Records B22  
 Fees Office B23  
 Food Technology F10  
 French C20  
 General Studies C20  
 Geography K17  
 German C20  
 Health Administration C22  
 History C20  
 History and Philosophy of Science C19  
 Industrial Arts B1  
 Industrial Engineering J17  
 Institute of Administration G2  
 Institute of Languages G14  
 Institute of Rural Technology B8  
 Law (Faculty Office) F21  
 Law Library F21  
 Librarianship B10  
 Library E21  
 Marketing F19  
 Mathematics F23  
 Mechanical Engineering J17  
 Medicine (Faculty Office) B27  
 Metallurgy E8

Microbiology D26  
 Mining Engineering K15  
 Music B11  
 National Institute of Dramatic Art C15  
 Nuclear Engineering F18  
 Optometry H12  
 Pathology C27  
 Patrol and Cleaning Services F20  
 Philosophy C20  
 Physics K13  
 Physical Education and Recreation Centre (PERC), see *Gymnasium and Squash Courts*  
 Physiology and Pharmacology C27  
 Political Science C19  
 Postgraduate Committee in Medical Education B27  
 Postgraduate Extension Studies (Closed Circuit Television) F19  
 Postgraduate Extension Studies (Radio Station and Administration) F23  
 Psychology F23  
 Public Affairs Unit C23  
 Regional Teacher Training Centre F24  
 Russian D20  
 Science (Faculty Office) K14  
 Social Work F1  
 Sociology C20  
 Spanish and Latin American Studies D19  
 Student Amenities and Recreation E15  
 Student Counselling and Research E16  
 Student Employment C22  
 Student Health E15  
 Students' Union E4  
 Surveying H20  
 Teachers' College Liaison Office F16  
 Tertiary Education Research Centre E16  
 Textile Technology G14  
 Town Planning K15  
 University Union G6  
 Wool and Pastoral Sciences B8  
 Zoology D26

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



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This Handbook has been specially 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, Engineering, Law, Medicine, Professional Studies, Science (including Biological Sciences and the Board of Studies in Science and Mathematics), the Australian Graduate School of Management (AGSM) and the Board of Studies in General Education.

The Calendar and Handbooks are available from the Cashier's Office. The Calendar costs \$3 (plus postage and packing, 90 cents). The Handbooks vary in cost. Applied Science, Arts, Commerce and Sciences are \$1.50; Architecture, Engineering, Law, Medicine, Professional Studies and AGSM are \$1.00. Postage is 40c in each case. The exception is General Studies, which is free.