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The University of New South Wales

Medicine

1981
Faculty Handbook

How to use this Handbook

The information in this book has been divided into **seven parts**.

General Information (the yellow coloured pages) lists what you need to know about the University as a whole, introduces some of the services available and notes the most important rules and procedures. You should read this part in its entirety.

For further information about the University and its activities, see the University Calendar.

Faculty Information.

Undergraduate Study outlines the courses available in each school in the faculty.

Graduate Study is about higher degrees.

Subject Descriptions lists each subject offered by the schools in the faculty. The schools are listed numerically.

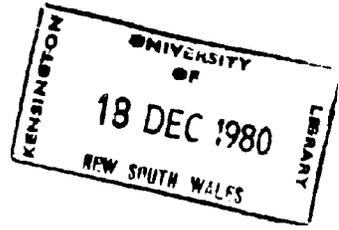
Information includes:

- Subject number, title and description
- Prerequisite, co-requisite and excluded subjects, where applicable
- Additional information about the subject such as unit values, credit hours, teaching hours per week, sessions when taught.

Financial Assistance to Students is a list of scholarships and prizes, available at undergraduate and graduate level in the faculty.

Staff list.

For detailed reference, see the list of **Contents**.



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Medicine

1981
Faculty Handbook

**The address of the University of
New South Wales is:**

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Faculty of Medicine

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

Information in this Handbook has been brought up to date as at 8 September 1980, 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. This **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 some aspects of the University and its activities you might need to consult the University Calendar.

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. This prefix should only be used when you are certain of the extension that you require. Callers using 662 cannot be transferred to any other number.

Some people who can help you

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**, Mrs Anne Beaumont, are located on the first floor of the Chancellery. They will help those students who need advice and who have problems but who do not seem to be provided for by the other organizations and services mentioned. As well as dealing with general enquiries they are especially concerned with the problems of physically handicapped and disabled students and those in need of financial assistance. The latter students should see Mrs Beaumont. Enquire at room 148E, phone 2482 (general enquiries) or 3164 (financial assistance).

The **Assistant Registrar (Admissions and Examinations)**, Mr Jack Hill, is located on the ground floor of the Chancellery. General enquiries should be directed to 3715. For information regarding examinations, including examination timetables and clash of examinations, contact the **Administrative Officer**, Mr John Grigg; phone 2143.

The Assistant Registrar (Student Records, Higher Degrees and Scholarships), Mr Peter Wildblood is located on the ground floor of the Chancellery. For particular enquiries regarding the Student Records Unit, including illness and other matters affecting performance in examinations, academic statements, graduation ceremonies, prizes, release of examination results and variations to enrolment programs, phone 3711.

The Adviser for Prospective Students, Mrs Fay Lindsay, is located in the Chancellery and is available for personal interview. For an appointment phone 3453.

The Assistant Registrar (Student Employment), Mr Jack Foley, is located in the Chancellery. Enquiries should be directed to 3259.

The Housing Officer, Mrs Judy Hay, is located in the Student Amenities and Recreation Section in the huts at the foot of Basser Steps. For assistance in obtaining suitable lodgings phone 3260.

The Student Health Unit is located in Hut E15b at the foot of Basser Steps. The Director is Dr Geoffrey Hansen. For medical aid phone 2679 or 3275.

The Student Counselling and Research Unit is located at the foot of Basser Steps. 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 E15a at the foot of Basser Steps. For spiritual counselling phone Anglican – 2684; Catholic – 2379; Greek Orthodox – 2683; Lutheran – 2683; Uniting Church – 2685.

The Students' Union is located on the second floor of Stage III of the University Union, where the SU President, Secretary-Treasurer, Education Vice-President, Welfare-Research Officer, and Director of Overseas Students are available to discuss any problems you might have.

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 noticeboards for details.

Calendar of Dates

The Academic Year

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 and there are short recesses of one week within each of the sessions.

Session 1 commences on the first Monday of March.

1981

**Session 1
(14 weeks)** 2 March to 10 May
May Recess: 11 May to 17 May
 18 May to 14 June
Midyear Recess: 15 June to 19 July
 Examinations begin

Tuesday
16 June
 Wednesday
1 July

Examinations end

**Session 2
(14 weeks)** 20 July to 23 August
August Recess: 24 August to
 30 August
 31 August to 1 November

Monday 9
November
 Friday 27
November

Examinations begin

Examinations end

January

Thursday 1
 Friday 2
 Friday 9
 Monday 26

New Year's Day – Public Holiday
 Last day for applications for review of results of *annual* examinations
 Last day for acceptance of applications by Admissions Office for transfer to another undergraduate course within the University
 Australia Day – Public Holiday

February

Thursday 5
 Monday 16

Enrolment period begins for new undergraduate students and undergraduate students repeating first year
 Enrolment period begins for second and later year undergraduate students and graduate students enrolled in formal courses

March

Monday 2 **Session 1 commences**
Last day for undergraduate students who have completed requirements for pass degrees to advise the Registrar they are proceeding to an honours degree or do not wish to take out their degree for any other reason

Wednesday 11 List of graduands for April/May ceremonies and of 1980 prize-winners published in *The Sydney Morning Herald*

Friday 13 Last day for acceptance of enrolment by new undergraduate students (late fee payable thereafter)

Monday 16 Last day for notification of correction of details published in the press on 11 March concerning April/May graduation ceremonies

Friday 27 Last day for acceptance of enrolment by undergraduate students re-enrolling in second and later years (late fee payable thereafter)

April

Friday 17 to Monday 20 Easter

Thursday 16 Last day for undergraduate students to discontinue without failure subjects which extend over Session 1 only

Saturday 25 Anzac Day – Public Holiday

Monday 27 *Confirmation of Enrolment* forms despatched to all students

May

Wednesday 6 Last day for undergraduate students completing requirements for degrees or diplomas at the end of Session 1 to submit *Application for Admission to Degree* form
Last day for acceptance of corrected *Confirmation of Enrolment* forms

Monday 11 **May Recess begins**

Thursday 14 Publication of provisional timetable for June/July examinations

Sunday 17 **May Recess ends**

Friday 22 Last day for students to advise of examination timetable clashes

June

Tuesday 2 Publication of timetable for June/July examinations

Monday 8 Queen's Birthday – Public Holiday

Sunday 14 **Session 1 ends**
Midyear Recess begins

Tuesday 16 Examinations begin

July

Wednesday 1 Examinations end

Monday 13 Examination results mailed to students

Tuesday 14 Examination results displayed on University noticeboards

Tuesday 14 to Friday 17 Students to amend enrolment programs following receipt of June examination results

Sunday 19 **Midyear Recess ends**

Monday 20 **Session 2 begins**
Last day for application for review of June examination results

Thursday 30 Foundation Day (no classes held)

Friday 31 Last day for students to discontinue without failure subjects which extend over the whole of academic year

August

Monday 24 **August Recess begins**

Sunday 30 **August Recess ends**

September

Tuesday 1 Last day for undergraduate students who have completed requirements for pass degrees to advise the Registrar they are proceeding to an honours degree or do not wish to take out their degree for any other reason

Friday 4 Last day for undergraduate students to discontinue without failure subjects which extend over Session 2 only

Wednesday 9 List of graduands for October graduation ceremonies published in *The Sydney Morning Herald*

Monday 14 *Confirmation of Enrolment* form forwarded to all students
Last day for notification of correction of details published in the press on 9 September concerning October graduation ceremonies

Wednesday 23 Last day for applications from undergraduate students completing requirements for degrees and diplomas at the end of Session 2 to submit *Application for Admission to Degree* form
Last day for acceptance of corrected *Confirmation of Enrolment* forms

October

Thursday 1 Last day to apply to UCAC for transfer to another tertiary institution in New South Wales
Publication of provisional examination timetable

Monday 5	Eight Hour Day – Public Holiday
Friday 9	Last day for students to advise of examination timetable clashes
Thursday 22	Publication of timetable for examinations

November

Sunday 1	Session 2 ends
Monday 2	Study Recess begins
Sunday 8	Study Recess ends
Monday 9	Examinations begin
Friday 27	Examinations end

December

Monday 14	Examination results mailed to students
Tuesday 15	Examination results displayed on University noticeboards
Monday 21	List of graduands in Medicine for February graduation ceremony published in <i>The Sydney Morning Herald</i>
Friday 25	Christmas Day – Public Holiday
Saturday 26	Boxing Day – Public Holiday

Faculty of Medicine

First and Second Years	As for other faculties
Third and Fourth Years	Term 1 (10 weeks) 26 January to 4 April
	Term 2 (9 weeks) 13 April to 9 May
	<i>May Recess:</i> 10 May to 16 May
	17 May to 20 June
	Term 3 (9 weeks) 28 June to 29 August
	Term 4 (10 weeks) 6 September to 14 November
Fifth Year	Term 1 (8 weeks) 26 January to 21 March
	Term 2 (8 weeks) 29 March to 23 May
	Term 3 (8 weeks) 31 May to 25 July
	Term 4 (8 weeks) 2 August to 26 September
	Term 5 (8 weeks) 5 October to 28 November

January

Friday 1	Public Holiday
Monday 4	Last day for applications for review of results of <i>annual</i> examinations
Friday 8	Last day for acceptance of applications by Admissions Office for transfer to another undergraduate course within the University

February

Monday 1	Australia Day – Public Holiday
Tuesday 2	Enrolment period begins for new undergraduate students and undergraduate students repeating first year
Monday 15	Enrolment period begins for second and later year undergraduate students and students enrolled in formal graduate courses

March

Monday 1	Session 1 begins – all courses except Medicine III, IV and V
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April

Friday 9 to Monday 12	Easter – Public Holiday
Sunday 25	Anzac Day
Monday 26	Public Holiday

1982

Faculties other than Medicine

Session 1 (14 weeks)	1 March to 9 May
	<i>May Recess:</i> 10 May to 16 May
	17 May to 13 June
	<i>Midyear Recess:</i> 14 June to 18 July
Examinations	15 June to 30 June
Session 2 (14 weeks)	19 July to 22 August
	<i>August Recess:</i> 23 August to 29 August
	30 August to 31 October
	<i>Study Recess:</i> 1 November to 7 November
Examinations	8 November to 26 November

Organization of the University

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 1980 the University had 18,359 students and over 3,700 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.

Arms of the University of New South Wales

The arms of the University are reproduced on the front cover of this handbook. The arms were granted by the College of Heralds in London, on 3 March 1952, and the heraldic description is as follows:

Argent on a Cross Gules a Lion passant guardant between four Mullets 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 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 44 members from the State Parliament, industry and commerce, agriculture, the trade unions, professional bodies, the staff, the students and the graduates of the University.

The Council meets six times per year and its members also serve on special committees dealing with, for example, 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/Boards of Study

The Dean, who is also a professor, is the executive head of the Faculty or Board of Study. Members of each Faculty or Board 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 and 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 and mathematics degree 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 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 and Principal, 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 Ray Golding and Professor Rex Vowels, together with 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 Ian Way, the Bursar, Mr Tom Daly, and the Business Manager (Property).

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 responsible for the building program and the 'household' services of the University (including electricity, telephones, cleaning, traffic and parking control and maintenance of buildings and grounds).

Student Representation on Council and Faculties/Boards

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 members for appointment by the Council to their Faculty/Board. Elections are for a one-year term of office.

Open Faculty/Board Meetings

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

Award of the University Medal

The University may award a bronze medal to undergraduate students who have achieved highly distinguished merit on completion of their final year.

Identification of Subjects by Numbers

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

Textbook Lists

Textbook lists are no longer published in the Faculty handbooks. Separate lists are issued early in the year and are available at key points on the campus.

Students should allow quite a substantial sum for textbooks. This can vary from \$250 to \$600 per year depending on the course taken. These figures are based on the cost of new books. The Students' Union operates a secondhand 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.

Co-operative Bookshop

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.

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 G56, Morven Brown Building, phone 3476.

Student Services and Activities

Accommodation

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, Mr K. W. Bromham, PO Box 24, Kensington, NSW 2033.

International House

International House accommodates 154 students from Australia and up to thirty other countries. Preference is given to more senior undergraduates and graduate students. Apply in writing to the Warden, Emeritus Professor J. S. Ratcliffe, International House, PO Box 1, Kensington, NSW 2033.

New College

New College is an Anglican college and it provides accommodation (with all meals) for 220 graduates and undergraduates, without regard to race, religion, or sex. The College has its own resident tutors, and sponsors a wide range of sporting and social activities. Apply to Dr Stuart Barton Babbage, Master, New College, Anzac Parade, Kensington 2033 (telephone 662 6066).

Shalom College

Shalom College is a Jewish residential college. It 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. Fees are payable on a session basis. Conferences are catered for, particularly with Kosher requirements. Rates are available on application. Apply in writing to the Master, Dr S. Engelberg, 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 range of activities and opportunities to meet members of the University staff informally. 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 Catholic lay association Opus Dei. Apply in writing to the Master, Dr J. F. Martins, Warrane College, PO Box 123, Kensington, NSW 2033.

Creston Residence

Creston Residence offers accommodation for 25 full-time undergraduate and graduate women students without restriction of denomination or nationality. Non-resident membership provides students with the opportunity to participate in the activities of the Residence and to make use of its facilities. Creston is directed by the Women's Section of Opus Dei, a Catholic lay association. Enquiries should be addressed to the Principal, 36 High Street, Randwick, NSW 2031.

Other Accommodation

Off-campus Accommodation

Students requiring other than College accommodation may contact the Housing Officer in the Student Amenities and Recreation Section for assistance in obtaining suitable accommodation 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. Accommodation in the immediate vicinity of the University is not usually easy to find at short notice, and is expensive.

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.

Associations, Clubs and Societies

The Sports Association

The Sports Association is a student organization within the University which caters for a variety of sports for both men and women. In December 1952 the University Council approved the establishment of the Sports Association, which then consisted of five clubs. As the University has grown, the Association has expanded, and now includes some thirty-eight clubs.

The Association office is situated in Hut E15C near the foot of Basser Steps, and can be contacted on extension

2673. The control of the Association is vested in the General Committee comprising delegates from the thirty-eight clubs.

Membership is compulsory for all registered students, and the annual fee is \$11. Membership is also open to all members of staff and graduates of the University on payment of an annual fee as prescribed in the By-Laws of the Association. All members are invited to take part in any of the activities arranged by the Association, and to make use of the University's sporting and recreational facilities.

The Association is affiliated with the Australian Universities Sports Association (AUSA) which is the controlling body for sport in all Australian universities.

School and Faculty Associations

Many schools and faculties have special clubs with interests in particular subject fields. Enquire at the relevant Faculty or School Office for information.

Australian Armed Services

The University maintains links with the Royal Australian Navy, the Citizen Military Forces and the Royal Australian Air Force, and opportunities exist for student participation in their activities. See the General Information section of the Faculty Handbooks for details.

Chaplaincy Centre

The University Chapel

The University provides a small chapel for the use of all faiths. In its temporary housing it is located in Hut E15a near the Chemistry Building. The chapel is available for services of worship by arrangement with the full-time chaplains. At other times it is available for private meditation to all members of the University.

Chaplaincy Service

A Chaplaincy Service is available within the University of New South Wales for the benefit of students and staff.

The Service offers fellowship, personal counselling and guidance, together with leadership in biblical and doctrinal studies and in worship. The Chaplains maintain close liaison with student religious societies.

The chaplains are located in Hut E15a at the foot of Basser steps, which also contains the temporary chapel.

Deputy Registrar (Student Services)

The Deputy Registrar (Student Services), Mr Peter O'Brien, and his administrative Assistant, Mrs Anne Beaumont, are located on the first floor of the Chancellery.

They will help those students who have problems and need advice but who do not seem to be provided for by the other organizations and services mentioned. As well as dealing with general enquiries they are especially concerned with the problems of physically handicapped and disabled students and those in need of financial assistance. The latter students should see Mrs Beaumont.

All enquiries should be made either at room 148E or by telephoning extension 2482 (general enquiries) or 3164 (financial assistance).

Student Amenities and Recreation Section

In general the Student Amenities and Recreation Section seeks ways to promote the physical, social and educational development of students through their leisure time activities, and to provide some services essential to their day-to-day university life.

The Section is responsible for the continuing management of the Physical and Recreational Centre at which recreational programs are available for both students and staff; makes bookings for use of sports facilities; and in consultation with the Sports Association assists various recognized clubs.

Mr I. Moutray is the Head of the Section, which is located in the huts at the foot of Basser Steps. The various services may be contacted by phone on the following extensions: Recreation Program 3271; Grounds Bookings 2235; Sports Association 2673.

Physical Education and Recreation Centre

The Student Amenities and Recreation Section provides a recreational program for students and staff at the Physical Education and Recreation Centre. The Centre consists of eight squash courts, a main building, and a 50-metre indoor heated swimming pool. The main building has 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. The Centre is located on the lower campus adjacent to High Street. The Supervisor at PERC may be contacted on extension 3271.

Student Counselling and Research Unit

The Student Counselling and Research Unit has both service and research and development functions. The service function is to help clients – students, prospective students, parents and other concerned persons – improve their approach to planning, decision-making and coping with academic, vocational and personal aspects of their life. The research and development function is to develop and evaluate counselling practices and programs and to assist in improving the quality of student life.

Appointments for counselling consultations are available from 9 am to 7 pm, and may be made by phoning 663 0351 extension 3681 and 3685 or by calling at the Unit, which is located at the foot of Basser Steps. In urgent cases interviews can be given on a walk-in basis between 9 am and 5 pm.

Student Employment Section

The Student Employment Section provides assistance with careers and employment.

Assistance with careers and permanent employment opportunities includes: the regular mailing of a *Job Vacancy Bulletin* to registered students and graduates, a Library, and a Campus Interview Program in which final year students have the opportunity to speak to employers regarding employment prospects.

Assistance is also provided in obtaining course-related industrial or professional employment during long vacations as required by undergraduates in Engineering and Applied Science.

The Section is located in the Chancellery.

For further information, telephone as follows: careers and employment assistance 3259 or 3630; long vacation industrial training 2086.

Student Health Unit

A student health clinic and first aid centre is situated within the University. The medical service although therapeutic is not intended to 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. 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 E15b 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, 3275 or 3841 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 which are available for both staff and students. Appointments may be made for the Student Health Unit clinic by telephoning 588 2833 or for the Prince of Wales Hospital clinics by telephoning 399 0111.

The Students' Union

The Students' Union was formed in 1952 as an organization, duly recognized by the University Council, to represent the student body and to provide a central organization for the administration of student activities. In the words of its constitution 'The Students' Union is formed for the purpose of advancing the interests of University men and women, facilitating their general scientific and technical education, and fostering a University spirit among them'.

The Students' Union affords a recognized means of communication between the student body and the University administration, and represents its members in all matters affecting their interests. It aims to promote the cultural, educational and recreational life of the University and to encourage a permanent interest among graduates in the life and progress of student activities within the University. The Students' Union also makes representations to government and other bodies outside the University on behalf of its members.

Membership of the Students' Union is compulsory for all registered students of the University and the annual subscription is \$17 for full-time students and \$13 for part-time students. All Alumni of the University are eligible for Life Membership.

The Students' Union is governed by a Council consisting in the main of elected student representatives from the various faculties of the University. There are also representatives of the University Council, Life Members, the Staff Association and the Sports Association. The Council is elected annually.

A full-time President, elected each year by popular ballot, directs the entire administration of the Students' Union and its activities, assisted by a Secretary-Treasurer.

Other officers are the Education Vice-President who works towards the implementation of Students' Union education policy; the Welfare-Research Officer concerned with helping students with problems they may encounter in the University; the Electronic Media Officer; and the Director of Overseas Students who deals with specific problems these students may encounter while in Australia.

The activities in which the Students' Union is involved include:

1. Infakt – a student-run information referral service for students who want someone to talk to or need help of any kind. Infakt is located in the bus at the foot of Basser Steps.
2. A casual employment service.
3. Organization of orientation for new students.
4. Organization of Foundation Day.
5. The University's two child care centres.
6. Publication of the student paper *Tharunka*.
7. A free legal service run by a qualified lawyer employed by the Students' Union Council.
8. SU Record Shop which offers discount records and tapes.
9. The Nuthouse which deals in bulk and health foods.
10. Secondhand Bookshop for cheap texts.
11. CASOC (Clubs and Societies on Campus) which provides money from the SU for affiliated clubs and societies on campus.
12. The sale of electronic calculators and accessories at discount rates.
13. Provision of a bail fund.

The SU office is located on the Second Floor, Stage III, the Union.

The University Library

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 Mathews Building and is closely associated with libraries in the teaching hospitals of the University.

For details consult Faculty Information in the relevant Faculty Handbook.

There are also library services at other centres:

The Water Reference Library situated at Manly Vale (telephone 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 (telephone 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.

The University Union

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 \$55 per year for all registered students and is open to all members of staff and graduates of the University.

The control of the Union is vested in the Board of Management whose Chief Executive Officer is the Warden; the President is Mr R. P. Hammond.

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 hairdressing 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. 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.

Financial Assistance to Students

Tertiary Education Assistance Scheme

Under this scheme, which is financed by the Commonwealth 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. The allowances paid are unlikely to be sufficient, even at the maximum rate, for all the living expenses of a student. Family help and/or incomes from vacation or spare-time work would also be needed.

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

- Undergraduate and graduate bachelor degree courses
- Graduate diplomas
- Approved combined bachelor degree courses
- Master's qualifying courses (one year)

The rates of allowance and conditions for eligibility are set out in a booklet obtainable from the Commonwealth Department of Education.

Tertiary students receiving an allowance, and prospective tertiary students, will be sent application forms in January 1981. Forms will also be available from the Admissions Section or the Student Employment Section, or from the Director, Department of Education, 59 Goulburn Street, Sydney, NSW 2000 (telephone 218 8800). Continuing students should submit applications as soon as examination results are available. New students should do so as soon as they are enrolled. All students should apply by 31 March 1981, otherwise benefits will not be paid for the earlier months of the year.

It is most important that students advise the TEAS office if at any time they change or discontinue their study programs, as their eligibility for benefits might be affected.

Other Financial Assistance

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 various 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 Commonwealth 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. The University is unable to provide from the fund amounts large enough for all or even a major part of the living expenses of a student.

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. Grants are rarely made.

The University has also been the recipient of generous donations from the Arthur T. George Foundation, started by Sir Arthur George and his family, for the endowment of a student loan fund.

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

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

Financial Assistance to Aboriginal Students

Financial assistance is available to help Aboriginal students from the Commonwealth Government's Aboriginal Study Grant Scheme. Furthermore, the University may assist Aboriginal students with loans to meet some essential living expenses.

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

Fund for Physically Handicapped and Disabled Students

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. Enquiries should be made at the office of the Deputy Registrar (Student Services), Room 148E, in the Chancellery.

Rules and Procedures

The University, in common with other large organizations, has established rules and procedures which are designed for the benefit of all members of the University. In some cases there are penalties (eg fines or exclusion from examinations) for non-compliance. Therefore, any student who after reading the rules carefully requires further information on their application should contact the Admissions Office or the Registrar.

General Conduct

The University has not considered it necessary to formulate a detailed code of rules relating to the general conduct of students. Enrolment as a student of the University, however, involves an undertaking to observe the regulations, by-laws and rules of the University, and to pay due regard to any instructions given by any officer of the University.

Appeals

Section 5(c) of Chapter III of the By-laws provides that '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'.

Admission and Enrolment

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. Faculty handbooks and the Calendar may be purchased here. The Admissions Office is open from 9 am to 5 pm Monday to Friday. During enrolment the office is also open for some part of the evening.

The office provides information about special admission, admission with advanced standing and admission on overseas qualifications. 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 lodgement of applications are adhered to. For further details see the section on **Undergraduate and Graduate Enrolment Procedures and Fees**.

Applications for admission to undergraduate courses from students who do not satisfy the requirements for admission (see section on Requirements for Admission) 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 Higher Degrees Unit, 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 undergraduate degree courses at

the University may be obtained from the Admissions Office or the Universities and Colleges Admissions Centre.

An Adviser for Prospective Students, Mrs Fay Lindsay, is located in the Chancellery, and is available for personal interview with those who require additional information about the University.

First Year Entry

Those seeking entry to first year courses in one or more of the three universities in the Sydney Metropolitan area (Macquarie University, the University of New South Wales and the University of Sydney) are required to lodge a single application form with the Universities and Colleges Admissions Centre, Challis House, 10 Martin Place, Sydney 2000 (GPO Box 7049, Sydney 2001). On the application form provision is made for applicants to indicate preferences for courses available in any one of the three universities and eighteen other tertiary institutions. Students are notified individually of the result of their applications and provided with information regarding the procedures to be followed in order to accept the offer of a place at this University. Enrolment is completed at the Enrolment Bureau, Unisearch House, 221 Anzac Parade, Kensington.

Deferment of First Year Enrolment

Students proceeding directly from school to University who have received an offer of a place may request deferment of enrolment for one year and will usually receive permission providing they do not enrol at another tertiary institution in that year.

Enrolment Procedures and Fees Schedules 1981

1. Introduction

All students, except those enrolling in graduate research degree courses (see sections 5. and 6. below), must lodge an authorized enrolment form with the Cashier either on the day the enrolling officer signs the form or on the day any required General Studies electives are approved.

All students, except those enrolling in graduate research degree courses and those exempted as set out in section 17. below, should on that day also either pay the required fees or lodge an enrolment voucher or other appropriate authority.

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 vouchers 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.

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 section **16.** below) unless the student has obtained an extension of time in which to pay fees from the office of the Deputy Registrar (Student Services) (Room 148E, the Chancellery). Such an application must be made before the fee is due. Payment may be made through the mail, in which case it is important that the student registration number be given accurately. Cash should not be sent through the mail.

2. New Undergraduate Enrolments

Persons who are applying for entry in 1981 must lodge an application for selection with the Universities and Colleges Admissions Centre, GPO Box 7049, Sydney 2001, by 1 October 1980.

Those who are selected will be required to complete enrolment at a specified time before the start of Session 1. Compulsory fees should be paid on the day.

In special circumstances, however, and provided class places are still available, students may be allowed to complete enrolment after the prescribed time.

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

3. Re-enrolment

See also sections **4., 6. and 7.** below.

Students who are continuing courses (or returning after approved leave of absence) should enrol through the appropriate School in accordance with the procedures set out in the current *Enrolment Procedures* booklet, available from the Admissions Office and from School offices. Those who have completed part of a course and have been absent without leave need to apply for entry through the Universities and Colleges Admissions Centre, GPO Box 7049, Sydney 2001, by 1 October 1980.

4. Restrictions Upon Re-enrolling

Students who in 1980 have infringed the rules governing re-enrolment should not attempt to re-enrol in 1981 but should follow the written instructions they will receive from the Registrar.

5. New Research Students

Students enrolling for the first time in graduate research degree courses 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 section **16.** below).

6. Re-enrolling Research Students

Students enrolled in purely research degree programs will be re-enrolled each year and sent an account for any fees due, unless they have lodged a thesis or their registration has been cancelled or suspended.

7. Submission of Graduate Thesis or Project Report

Graduate students who at the commencement of Session 1 have completed all the work for a degree or diploma except for the submission of the relevant thesis or project report are required to re-enrol by the end of the second week of Session 1. Completion of enrolment after then will incur a penalty (see section **16.** below) but students enrolled in purely research degree programs will be re-enrolled automatically (see section **6.** above).

Information about possible fees exemption is set out in section **17.** (10) below.

8. Enrolments by Miscellaneous Students

Enrolments by miscellaneous students are governed by the following rules:

(1) Enrolment in a particular subject or subjects as a miscellaneous student – ie as a student not proceeding to a degree or diploma – may be permitted provided that in every case the Head of School offering the subject considers that the student will benefit from the enrolment and provided also that accommodation is available and that the enrolment does not prevent a place in that subject being available to a student proceeding to a degree or diploma.

(2) A student who is under exclusion from any subject in the University may not be permitted to be enrolled as a miscellaneous student in that subject.

(3) A student who is under exclusion from any course in the University may not be permitted to enrol in any subject which forms a compulsory component of the course from which the student is excluded.

(4) A student who is subsequently admitted to a course of the University for which any subjects completed as a miscellaneous student form a part may receive standing for those subjects in accordance with the rules relating to Admission with Advanced Standing, save that a student may not receive standing for any subject completed as a miscellaneous student while under exclusion from a course of the University.

9. Final Dates for Completion of Enrolment

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 (13 March 1981) 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 (27 March 1981) 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 (27 March 1981) 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 (31 July 1981) except with the express approval of the Deputy Registrar (Student Services) and the Heads of Schools concerned.

10. University of New South Wales and University Union Membership Card

All students enrolled in degree or diploma courses or as miscellaneous students, except those exempt from fees under provisions of section 17, below, are issued with a University of New South Wales and University Union Membership Card. This card must be carried during attendance at the University and shown on official request.

The number appearing on the front of the card above the student's name is the 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 inconvenience in completing re-enrolment.

Life members of the University Union and those exempt from payment of University Union fees, if enrolled in degree or diploma courses or miscellaneous students use the University's fees receipt in place of the card when applying for travel concessions and when notifying a change of address. The University Library issues a library borrowing card on production of the fees receipt.

A student who loses a card must notify the University Union as soon as possible.

New students are issued with cards on enrolment if eligible.

11. Payment of Fees

There are no fees for tuition but other fees and charges are payable. These include those charges raised to finance the expenses incurred in operating activities such as the University Union, the Students' Union, the Sports Association, and the Physical Education and Recreation Centre. Penalty payments 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 in certain subjects. Accommodation charges, costs of subsistence on excursions, field work, etc, and for hospital residence (medical students) are payable in appropriate circumstances.

12. Assisted Students

Scholarship holders and sponsored students who have not received an enrolment voucher or appropriate letter of authority from their sponsor at the time when they are enrolling should complete their enrolment by paying their own fees.

A refund of fees will be made when the enrolment voucher or letter of authority is subsequently lodged with the Cashier.

Those unable to pay their own fees in these circumstances can apply to the office of the Deputy Registrar (Student Services) (Room 148E, the Chancellery) for an extension of time in which to pay. Such an application must be made before the fees are due.

13. Extension of Time

Any student who is unable to pay fees by the due date may apply to the office of the Deputy Registrar (Student Services) (Room 148E, the Chancellery) for an extension of time, which may be granted in extenuating circumstances. Such applications must be made before the due date.

14. Failure to Pay Fees and Other Debts

Any student who fails to pay prescribed fees or charges or is otherwise indebted to the University and who fails either to make a satisfactory settlement of his indebtedness upon receipt of due notice or to receive a special exemption ceases to be entitled to the use of University facilities. Such a student is not permitted to register for a further session, to attend classes or examinations, or to be granted any official credentials. In the case of a student enrolled for Session 1 only or for both Sessions 1 and 2 this disbarment applies if any portion of fees is outstanding after the end of the eighth week of Session 1 (24 April 1981). 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 (28 August 1981).

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

15. Student Fees

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

All students (with the exceptions set out in section 17, 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 the full University Union Entrance Fee, if applicable, and one half of any other fees due.

Students who consider themselves eligible for life membership of the University Union, the Sports Association, or the Students' Union, should make enquiries about the matter at the offices of those bodies, not at the office of the Deputy Registrar (Student Services) or at the Cashier's office.

Students often seek exemption from the fees for reasons other than those set out in section 17. below. It is stressed that the fees charged are a contribution by students towards services and amenities for the University community (both now and in the future) and exemption from them cannot be claimed because a student is unable or unwilling to make use of some of those services or amenities.

University Union Entrance Fee

Payable on first enrolment	\$25
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Student Activities Fees

University Union annual subscription	\$55
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Sports Association annual subscription	\$11
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Students' Union Annual Subscription

Students enrolling in full-time courses	\$17
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Students enrolling in part-time courses or as miscellaneous students	\$13
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Miscellaneous Fund annual fee	\$25
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This fee is used to finance expenses generally of a capital nature relating to student activities and amenities. Funds are allocated for projects recommended by the Student Affairs Committee and approved by the University Council.

Special Examination Fees

Examinations conducted in special circumstances for each subject	\$11
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Review of examination results for each subject	\$11
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Other Fees

Depending on the subject being taken, students may also be required to pay:

Pathology Instrument Kit	\$10
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(Refundable on return in satisfactory condition)

16. Penalties

(1) Failure to lodge enrolment form according to enrolment procedure	\$20
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(2) Payment of fees after end of second week of session	\$20
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(3) Payment of fees after end of fourth week of session	\$40
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Penalties (1) and (2) or (1) and (3) may accumulate.

17. Exemptions – Fees

Students often seek exemption from the fees for reasons other than those set out below. It is stressed that the fees charged are a contribution by students towards services and amenities for the University community (both now and in the future) and exemption from them cannot be claimed because a student is unable or unwilling to make use of some of those services or amenities.

(1) Life members of the University Union, the 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 Student Activities Fees and the University Union Entrance Fee.

(3) Students enrolled in courses at the W. S. and L. B. Robinson University College and in the Faculty of Military Studies are exempt from the fees in section 15. above but shall pay such other fees and charges as the Council may from time to time determine.

(4) University Union fees and subscriptions may be waived by the Deputy Registrar (Student Services) for students enrolled in graduate courses in which the formal academic requirements are undertaken at a part of the University away from the Kensington campus.

(5) 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 as miscellaneous students for 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**.

(6) 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.

(7) 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.

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

(9) All Student Activities Fees, for one or more sessions, may be waived by the Deputy Registrar (Student

*Students who consider themselves eligible for life membership of the University Union, the Sports Association, or the Students' Union, should make enquiries about the matter at the offices of those bodies, not at the office of the Deputy Registrar (Student Services) or at the Cashier's office.

**Institutions approved are: New South Wales Institute of Technology and Alexander Mackie College of Advanced Education. *

Services) for students who are given formal permission to pursue their studies at another institution for one or more sessions.

(10) Graduate students who have completed all the work for a qualification at the commencement of Session 1, except for the submission of the relevant thesis or project report, may be exempted from the payment of Student Activities Fees by the Deputy Registrar (Student Services) on production of an appropriate statement signed by the relevant Supervisor or Head of School.

(11) Students enrolled in a session or sessions devoted entirely to training or experience away from the campus and its associated laboratories, hospitals, centres, institutes, and field stations are exempt from all Student Activities Fees for that session or sessions.

(12) Students whose registration is cancelled or suspended by the University shall receive refunds of fees paid in accordance with the provisions of section 18. (5) below except that a refund of one half of the fees shall be made if such cancellation or suspension takes place between the end of the fourth week of Session 1 and the end of the fourth week of Session 2.

18. Variations in Enrolment (including Withdrawal)

(1) Students wishing to vary an enrolment program must make application on the form available from the appropriate Course Authority.

(2) Students withdrawing from courses (and see also information about withdrawal from subjects below) are required to notify the Registrar in writing. In some cases such students will be entitled to fee refunds (see below).

(3) Enrolment in additional subjects

Applications for enrolment in additional subjects must be submitted by:

27 March 1981 for Session 1 only and whole year subjects;

14 August 1981 for Session 2 only subjects.

(4) Withdrawal from subjects

Applications to withdraw from subjects may be submitted throughout the year but applications lodged after the following dates will result in students being regarded as having failed the subjects concerned, except in special circumstances:

(a) for one session subjects, the end of the seventh week of that session (17 April or 4 September)

(b) for whole year subjects, the end of the second week of Session 2 (31 July).

(5) Withdrawal from Course – Refunds

Whether or not a student's withdrawal entails academic penalties (covered in item (4) above) there are rules governing possible fee refunds in the case of complete withdrawal from a course, as follows:

(a) If 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

(b) If notice of withdrawal is received on or after the first day of Session 1:

(i) a partial refund of the University Union Entrance Fee will be made on the following bases: any person who has paid the entrance fee in any year and who withdraws from membership of the University Union after the commencement of Session 1 in the same year, or who does not renew his membership in the immediately succeeding year, may on written application to the Warden receive a refund of half the entrance fee paid.

(ii) if the notice of withdrawal is given before the end of the fourth week of Session 1 (27 March 1981) a full refund of other Student Activities Fees paid will be made; if notice is given before the end of the eighth week of Session 1 (24 April 1981) a refund of one half of the other Student Activities Fees paid will be made; thereafter no refund will be made except that provided for in (iii) below.

(iii) if a student's enrolment in any year is for Session 2 only and the student gives notice of withdrawal prior to the end of the fourth week of Session 2 (14 August 1981) a full refund of Student Activities Fees paid (other than the University Union Entrance Fee for which see item (i) above) will be made; if notice is given before the end of the eighth week of Session 2 (11 September 1981) a refund of one half of the other Student Activities Fees paid will be made; thereafter no refund will be made.

(iv) The refunds mentioned in (ii) and (iii) above may be granted by the Deputy Registrar (Student Services) to a student unable to notify the Registrar in writing by the times required provided evidence is supplied that the student had ceased attendance by those times.

(6) Acknowledgements

The Registrar will acknowledge each application for a variation in enrolment (including withdrawals from subjects) as follows:

(a) variations lodged before the Friday of the seventh week of each session (17 April or 4 September) will be incorporated in the *Confirmation of Enrolment Program* notice forwarded to students on 27 April or 14 September as appropriate

(b) variations lodged after those dates will be acknowledged by letter

(c) withdrawals from a course are acknowledged individually whenever they are lodged.

(7) It is emphasized that failure to attend for any assessment procedure, or to lodge any material stipulated as part of an assessment procedure, in any subject in which a student is enrolled will be regarded as failure in that assessment procedure unless written approval to withdraw from the subject without failure has been obtained from the Registrar.

19. Exemption – Membership

The Registrar is empowered to grant exemption from membership of any or all of the University Union, the Students' Union and the Sports Association to students who have a genuine conscientious objection to such membership, subject to payment of the prescribed fees to the Miscellaneous Fund.

Private Overseas Students

Private overseas students should visit the Commonwealth Department of Education immediately on first arrival in Australia. The address is Sydney Plaza Building, 59 Goulburn Street, Sydney.

Private overseas students continuing their studies should confirm their enrolment with the Commonwealth Department of Education as early as possible each year in order to ensure that arrangements for the extension of their temporary entry permits can be made.

All private overseas students must advise the Department if they change their term residential address during the year. Telephone enquiries should be directed to (02) 218 8923, and country students may reverse the charge for the call.

Leave of Absence

Leave of absence from an undergraduate course of study may be granted to students other than those in the first year of a course. Leave of absence has generally been restricted to one year but in special circumstances two years have been granted.

To apply for such leave of absence, a letter should be submitted to the Registrar immediately following the release of annual examination results and must include the student's full name, registration number, the course and stage in which enrolled in the previous year and, most important, the reason *why* leave is being sought. The letter advising the result of the application will provide details about how to re-enrol.

Students who withdraw from the first year of their course *are not* granted leave of absence and must again apply for a place through the Universities and Colleges Admissions Centre.

Course Transfers

Students wishing to transfer from one course to another must complete and submit an application form, obtainable from the Admissions Office, the Chancellery, by Friday 9 January 1981.

Students whose applications to transfer are successful, and who are *transferring from one school to another* are

required to comply with the enrolment procedure laid down for new students with advanced standing. *Students transferring* from one course to another *within the same school* are required to attend the appropriate enrolment session for the course to which they have approval to transfer.

Students must present the approval to transfer to the enrolling officer, and those who have not received advice regarding their application to transfer before the date on which they are required to enrol should check with the Admissions Office.

Students should also advise the enrolling officer in the school in which they were enrolled in 1980 of their intention to transfer.

Admission with Advanced Standing

Any person who makes application to register as a candidate for any degree or other award granted by the University may be admitted to the course of study leading to such degree or award with such standing on the basis of previous attainments as may be determined by the Professorial Board provided that:

1. the Board shall not grant such standing under these rules as is inconsistent with the rules governing progression to such degree or award as are operative at the time the application is determined;
2. where a student transfers from another university such student shall not in general be granted standing in this University which is superior to what he has in the University from which he transfers;
3. the standing granted by the Board in the case of any application based on any degree/s or other awards already held by the applicant, shall not be such as will permit the applicant to qualify for the degree or award for which he seeks to register without completing the courses of instruction and passing the examinations in at least those subjects comprising the latter half of the course, save that where such a program of studies would involve the applicant repeating courses of instruction in which the Board deems the applicant to have already qualified, the Board may prescribe an alternative program of studies in lieu thereof;
4. the standing granted by the Board in the case of any application based on partial completion of the requirements for any degree or other award of another institution shall not be such as will permit the applicant to qualify for the degree or award for which he seeks to register by satisfactory completion of a program of study deemed by the Board to be less than that required of a student in full-time attendance in the final year of the course in which the applicant seeks to register;
5. the standing granted by the Board in the case of any application based on the partial completion of the

requirements for any degree or other award of the University may be such as to give full credit in the course to which the applicant seeks to transfer for work done in the course from which the student transfers.

Where the identity between the requirements for any award of the University already held and that of any other award of the University is such that the requirements outstanding for the second award are less than half the requirements of that award, then a student who merely completes such outstanding requirements shall not thereby be entitled to receive the second award but shall be entitled to receive a statement over the hand of the Registrar in appropriate terms.

Resumption of Courses

Students who have had a leave of absence for twelve months and wish to resume their course should follow the instructions about re-enrolling given in the letter granting leave of absence. If these instructions are not fully understood or have been lost, students should contact the Admissions Office before November in the year preceding the one in which they wish to resume their course.

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

Examinations

Examinations are held in June/July and in November/December.

Provisional timetables indicating the dates and times of examinations are posted on the University noticeboards.

Students must advise the Examinations Unit (the Chancellor) of any clash in examinations. Final timetables indicating the dates, times, locations, and authorized aids are available for students two weeks before the end of each session.

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

Assessment of Course Progress

In the assessment of a student's progress in a course, consideration may be 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.

Examination Results

Grading of Passes

Passes will be graded as follows:

<i>High Distinction</i>	an outstanding performance
<i>Distinction</i>	a superior performance
<i>Credit</i>	a good performance
<i>Pass</i>	an acceptable level of performance
<i>Satisfactory</i>	satisfactory completion of a subject for which graded passes are not available

Pass Conceded

A pass conceded may be granted to a student whose overall performance warrants consideration in a subject where the mark obtained is slightly below the standard required for a pass

A pass conceded in a subject will normally allow progression to another subject for which the former subject is a prerequisite. In a particular subject, however, a subject authority may specify that a pass conceded is insufficient to meet a particular subject prerequisite.

Availability of Results

Final examination results will be posted to a student's term address, or vacation address if requested. Change of address forms and forms requesting that results be posted to a vacation address are included in the examination timetable and are obtainable at the Student Enquiry Counter, the Chancellor. Both forms can be accepted up to Friday 27 November. Results are also posted on School noticeboards and in the University Library. Results on noticeboards are listed by *Student Registration Number*.

No examination results are given by telephone.

Review of Results

A student may make application to the Registrar for the review of a result. The application form, accompanied by an appropriate fee, must be submitted not later than fifteen working days after the date of issue of the *Notification of Examination Result* form.

In reviewing a result, the subject authorities shall ensure that all components of the assessment have been assessed and a mark assigned.

A review of a result is not a detailed reassessment of a student's standard of knowledge and understanding of, and skills in, the subject. It is rather a search for arithmetic error in arriving at the composite mark and for gross and obvious error in assignment of marks in components of the final composite mark.

When a change in grade is recommended, the application fee will be refunded by the Registrar.

Special Consideration

Students who believe that their performance in a subject, either during session or in an examination, has been

adversely affected by sickness or any other reason should inform the Registrar and ask for special consideration in the determination of their standing.

Such requests should be made as soon as practicable after the occurrence. Applications made more than seven days after the final examination in a subject will only be considered in exceptional circumstances.

When submitting a request for special consideration students should provide all possible supporting evidence (eg medical certificates) together with their registration number and enrolment details.

Physical Disabilities

Students suffering from a physical disability which puts them at a disadvantage in written examinations should advise Student Records (Ground Floor, the Chancellery) immediately their disability is known. If necessary, special arrangements will be made to meet the student's requirements.

Students who are permanently disabled and need the Examinations Unit to make special arrangements for their examinations, should contact Student Records as soon as the final timetable becomes available.

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.

Examinations Held Away from the Campus

Except in the case of students enrolled in external courses, examinations will not be permitted away from the campus unless the candidate is engaged on *compulsory industrial training*. Candidates must advise the Officer-in-charge, Examinations Unit, immediately the details of the industrial training are known. Special forms for this purpose are available at the Student Enquiry Counter in the north wing of the Chancellery.

Arrival at Examinations

Examination Rooms will be open to students twenty-five minutes before the commencement of the examination. Candidates are requested to be in their places at least fifteen minutes before the commencement to hear announcements. The examination paper will be available for reading ten minutes before commencement.

Use of Linguistic Dictionaries

The answers in all examinations and in all work submitted must be in English unless otherwise directed. Students

may apply for permission to use standard linguistic dictionaries in the presentation of written work for assessment. Such applications should be made in writing to the Examinations Unit not later than 14 days prior to the need to use the linguistic dictionary.

Conduct of Examinations

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 fifteen 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. Candidates shall not be admitted to an examination after thirty minutes from the time of commencement of the examination.
5. Candidates shall not be permitted to leave the examination room before the expiry of thirty minutes from the time the examination commences.
6. Candidates shall not be re-admitted to the examination room after they have left it unless, during the full period of their absence, they have been under approved supervision.
7. Candidates shall not by any improper means obtain, or endeavour to obtain, assistance in their work, give, or endeavour to give, assistance to any other candidate, or commit any breach of good order.
8. All answers must be in English unless otherwise stated. Foreign students who have the written approval of the Registrar may use standard linguistic dictionaries.
9. Smoking is not permitted during the course of examinations.
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.

Acknowledgement of Sources

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

Further Assessment

In special circumstances further assessment including assessment or further assessment on medical or compassionate grounds may be granted.

Further assessment may be given by the subject authority at his or her discretion at any time prior to the meeting of the relevant faculty assessment committee (normally the fourth week of the Midyear Recess and the second week of December). Further assessment may also be awarded at the faculty assessment committee and students affected may need to be free to undertake that further assessment in the last week in the Mid-year Recess and in the period up to the end of the second week in January; students should consult their subject authority for details of further assessment immediately their results are known.

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. Students enrolled in the first year of any undergraduate course of study in the University shall be required to show cause why they should be allowed to continue the course if they do not pass the minimum number of subjects, units or credits prescribed for this purpose by the relevant faculty or board of studies.

The prescribed minimum for each undergraduate course may be found in **Schedule A*** below; the schedule may be varied from time to time by the Professorial Board.

Repeated Failure Rule

2. Students shall be required to show cause why they should be allowed to repeat a subject which they have failed more than once. Where the subject is prescribed as part of the course they shall also be required to show cause why they should be allowed to continue that course.

General Rule

3. Students shall be required to show cause if, in the opinion of the faculty or board of studies, their academic record is such as to demonstrate their lack of fitness to pursue a subject or subjects and/or course or courses.

The Session-Unit System

4. (1) Students who infringe the provisions of Rules 1. or 2. at the end of Session 1 of any year 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 the course.

(2) Such students will be required to *show cause* at the end of the year, except that students who infringe Rule 2. at the end of Session 1, and repeat the subjects in question in Session 2, and pass them, will not be required to *show cause* on account of any such subjects.

Exemption from Rules by Faculties

5. (1) A faculty or board of studies examinations committee may, in special circumstances, exempt students from some or all of the provisions of Rules 1. and 2.

(2) Such students will not be required to *show cause* under such provisions and will be notified accordingly by the Registrar.

Showing Cause

6. (1) Students wishing to *show cause* must apply for special permission to re-enrol. Application should be made on the form available from the Registrar 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.

(2) Each application shall be considered by the Admissions and Re-enrolment Committee of the relevant faculty or board of studies which shall determine whether the cause shown is adequate to justify the granting of permission to re-enrol.

Appeal

7. (1) Students who are excluded by the Admissions and Re-enrolment Committee from a course and/or subject under the provisions of the Rules will have their applications to re-enrol reconsidered automatically by the Re-enrolment Committee of the Professorial Board.

(2) Students whose exclusion is upheld by the Re-enrolment Committee 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 its chairman 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-Chairman.

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.

(3) The notification to students of a decision which has been upheld by the Re-enrolment Committee of the Professorial Board to exclude them from re-enrolling in a

* See reference to Schedule A on next page.

course and/or subject shall indicate that they may appeal against that decision to the Appeal Committee. The appeal must be lodged with the Registrar within fourteen days of the date of notification of exclusion; in special circumstances a late appeal may be accepted at the discretion of the Chairman of the Appeal Committee. In lodging such an appeal with the Registrar students should provide a complete statement of all grounds on which the appeal is based.

(4) The Appeal Committee shall determine appeals after consideration of each appellant's academic record, application for special permission to re-enrol, and stated grounds of appeal. In particular circumstances, the Appeal Committee may require students to appear in person.

Exclusion

8. (1) Students who are required to *show cause* under the provisions of Rules **1.** or **3.** and either do not attempt to *show cause* or do not receive special permission to re-enrol from the Admissions and Re-enrolment Committee (or the Re-enrolment Committee on appeal) shall be excluded, for a period not in excess of two years, from re-enrolling in the subjects and courses on account of which they were required to *show cause*. Where the subjects failed are prescribed as part of any other course (or courses) they shall not be allowed to enrol in any such course.

(2) Students required to *show cause* under the provisions of Rule **2.** who either do not attempt to *show cause* or do not receive special permission to re-enrol from the Admissions and Re-enrolment Committee (or the Re-enrolment Committee on appeal) shall be excluded, for a period not in excess of two years, from re-enrolling in any subject they have failed twice. Where the subjects failed are prescribed as part of a course they shall also be excluded from that course. Where the subjects failed are prescribed as part of any other course (or courses) they shall not be allowed to enrol in any such course.

Re-admission after Exclusion

9. (1) Excluded students may apply for re-admission after the period of exclusion has expired.

(2) (a) Applications for re-admission to a course should be made to the Universities and Colleges Admissions Centre before the closing date for normal applications in the year prior to that in which re-admission is sought. Such applications will be considered by the Admissions and Re-enrolment Committee of the relevant faculty or board of studies.

(b) Applications for re-admission to a subject should be made to the Registrar before 30 November in the year prior to that in which re-admission is sought. Such applications will be considered by the relevant subject authority.

(3) Applications 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 action taken (including enrolment in course/s) to improve capacity to resume studies.

(4) Applications for re-admission to a course or subject that are unsuccessful (see **9.** (2) (a), (b) respectively) will be reconsidered automatically by the Re-enrolment Committee of the Professorial Board. The decision of the Re-enrolment Committee will be final.

10. Students who fail a subject at the examinations in any year or session and re-enrol in the same course in the following year or session must include in their programs of studies for that year or session the subject which they failed. This requirement will not be applicable if the subject is not offered the following year or session, 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.

Restrictions and Definitions

11. (1) These rules do not apply to students enrolled in programs leading to a higher degree or graduate diploma.

(2) A subject is defined as a unit of instruction identified by a distinctive subject number.

Schedule A

The prescribed 'minimum number of subjects units or credits' for the purposes of determining liability under the 'First Year Rule' is under consideration by faculties and boards of studies at the time of printing. An up-to-date list may be obtained from the Registrar.

Admission to Degree or Diploma

Students whose current program will enable them to complete all requirements for the degree or diploma, including industrial training where necessary, should lodge with the Registrar the form *Application for Admission to Degree/Diploma* and return it to the Registrar by the second Monday in May for the October ceremonies, and the first Tuesday in October for all other ceremonies. The forms are available from the Student Enquiry Counter in the north wing of the Chancellery.

Students who have indicated on their enrolment form that they are potential graduands are forwarded an application form with their Enrolment Details form in September (or, in the case of students who expect to satisfy requirements at the end of Session 1, with the form issued in

April). Students who do not complete an application form will not graduate; students who do not return their application form by the due date will graduate at a later series of ceremonies.

The Registrar will acknowledge receipt of the application form within two weeks. If no acknowledgement is received within that period students should contact the Student Records Section immediately.

Students enrolled in courses 3400, 3910 and 3970 who have completed an application form to graduate at the pass level and who then decide to proceed to an honours year should advise the Registrar, in writing before 1 September for those completing requirements at the end of Session 1, or before 28 February for those completing requirements at the end of Session 2.

A list of graduands in Medicine who have applied for their degree is published in *The Sydney Morning Herald* in December.

A list of graduands other than Medicine who have applied for their degree/diploma and who expect to graduate in October is published in *The Sydney Morning Herald* on the second Wednesday in September.

A list of graduands other than Medicine who have applied for their degree/diploma and who expect to graduate in April/May the following year is published in *The Sydney Morning Herald* on the second Wednesday in March.

Students who are potential graduands and who wish to notify the Registrar of a change of address should submit an additional form *Final Year Students' Graduation: Change of Address*.

Attendance at Classes

Students are expected to be regular and punctual in attendance at all classes in the course or subject in which they 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 students 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.

Absence from Classes

Explanations of absences from classes, or requests for permission to be absent from forthcoming classes, should be addressed to the Registrar and, where applicable, should be accompanied by a medical certificate. If examinations have been missed, this should be stated in the application.

If students attend less than eighty per cent of their possible classes they may be refused final assessment.

Student Records

Confirmation of Enrolment Program notices are sent to all students on 27 April and 14 September. It is not necessary to return these forms unless any of the information recorded is incorrect. Amended forms must be returned to the 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.

Release of Information to Third Parties

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.

Change of Address

The Student Records Section of the Registrar's Division should be notified as soon as possible of any change of address. Failure to do this could lead to important correspondence (including examination results) going astray. The University cannot accept responsibility if official communications fail to reach students who have not given notice of their change of address. *Change of Address Advice* Forms are available at Faculty and School offices and from the Student Enquiry Counter in the north wing of the Chancellery.

All communications from the University, including examination results, will be sent to the Session or Term address except when arrangements are made otherwise in the case of examination results (see **Examinations: Availability of Results**, earlier in this section). *Change of Address Advice* forms will be accepted up to Friday 27 November, except for final-year students wishing to change their *Application for Admission for Degree/Diploma* form. Changes to this form will be accepted up to a date four weeks before the student's graduation ceremony.

Ownership of Students' Work

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 students as part of their courses, or submitted for any award or competition conducted by the University.

Notices

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

Parking within the University Grounds

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

Academic Dress

Information about the University's academic dress requirements may be obtained from the Alumni Office, Room 148E, the Chancellery (phone extension 2998).

Further Information

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.

The Calendar

Please consult the Calendar for a more detailed account of the information contained in this section.

Vice-Chancellor's Official Welcome to New Students

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

Full-time Students

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

Thursday 26 February 1981

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:

Friday 27 February 1981

11 am in the Clancy Auditorium

Part-time Students

Thursday 26 February 1981

6.30 pm in the Clancy Auditorium

Meeting for Parents of New Students

Friday 27 February 1981

7.30 pm in the Clancy Auditorium

Introduction

The report of the Murray Committee on Australian Universities recommended that a second medical school be established in New South Wales and subsequently, steps were taken to establish the medical school in the University of New South Wales. In 1961, the first students enrolled in the Faculty of Medicine and the first graduates qualified at the end of 1966.

A five-year undergraduate course involving a new curriculum was introduced by the Faculty of Medicine in 1974. This course was offered concurrently with the six year curriculum until 1978 when the last group of students in the old course sat for their final examinations. An outline of the five-year program 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 Medical Science, and the Combined Science and Medical Course and the subject matter of the different courses offered.

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. 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

Faculty of Medicine

Calendar of Dates

**1981*
First and Second
Year**

Session 1	2 March to 10 May
May Recess	11 May to 17 May
	18 May to 14 June
Midyear Recess	15 June to 19 July
Session 2	20 July to 23 August
August Recess	24 August to 30 August
	31 August to 1 November
Annual examinations: 9 November to 27 November 1981	

**Third and Fourth
Year**

Term 1 (10 weeks)	27 January to 5 April
Term 2 (9 weeks)	13 April to 10 May
May Recess	11 May to 17 May
	18 May to 21 June
Term 3 (8 weeks)	29 June to 23 August
August Recess	24 August to 30 August
Term 4 (11 weeks)	31 August to 15 November

Fifth Year

Term 1 (8 weeks)	27 January to 22 March
Term 2 (8 weeks)	30 March to 24 May
Term 3 (8 weeks)	1 June to 26 July
Term 4 (8 weeks)	3 August to 27 September
Term 5 (8 weeks)	6 October to 29 November

*1981 Session and Term Dates are subject to review.

1982*
First and Second
Year

Session 1	1 March to 9 May
May Recess	10 May to 16 May 17 May to 13 June
Midyear Recess	14 June to 18 July
Session 2	19 July to 22 August
August Recess	23 August to 29 August 30 August to 31 October
Annual examinations: 8 November to 26 November 1982	

Third and Fourth
Year

Term 1 (10 weeks)	25 January to 4 April
Term 2 (9 weeks)	13 April to 9 May
May Recess	10 May to 16 May 17 May to 20 June
Term 3 (8 weeks)	28 June to 22 August
August Recess	23 August to 29 August
Term 4 (11 weeks)	30 August to 14 November

Fifth Year

Term 1 (8 weeks)	25 January to 21 March
Term 2 (8 weeks)	29 March to 23 May
Term 3 (8 weeks)	31 May to 25 July
Term 4 (8 weeks)	2 August to 26 September
Term 5 (8 weeks)	5 October to 28 November

*1982 Session and Term Dates are subject to review.

Faculty Information

Who to Contact

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

Peter Melville, Administrative Assistant, Faculty of Medicine

Desmond O'Rourke, Administrative Officer, Faculty of Medicine

John Robertson, Executive Officer, Faculty of Medicine

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

Faculty of Medicine Enrolment Procedures

All students re-enrolling in 1981 should obtain a copy of the free booklet *Enrolment Procedures 1981* available from School Offices and the Admissions Office. This booklet provides detailed information on enrolment procedures and fees, enrolment timetables by Faculty and course, enrolment in miscellaneous subjects, location and hours of Cashiers and late enrolments.

Costs in Addition to Fees

Details of fees have been provided in the **General Information** section of this handbook but in Medicine there are additional costs.

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

	<i>\$ approx.</i>
Textbooks	600
Half-skeleton	70
Five coats	80
Miscellaneous (papers, pens, kits, diagnostic equipment, laboratory manuals and aids, etc)	200
Residency	60
Special travel	120
	\$1130

Two long white coats are required for use in the Schools of Anatomy, Biochemistry and Chemistry.

One pair of 13cm dissecting forceps is required for use in the School of Anatomy. The disarticulated half-skeleton may be purchased through the School of Anatomy or by arrangement with students in higher years.

Attendance at and Residence in Hospitals

From second year students attend hospitals and must wear short white coats while at the 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 Hospitals

The Prince Henry and Prince of Wales Hospitals are Principal Teaching Hospitals of the University of New South Wales. They combine to form a single unit providing a total of 1,244 beds.

All departments of medicine and surgery are represented in the Prince Henry/Prince of Wales group including the various specialties, as well as paediatrics and psychiatry. The visiting medical staff numbers 275, salaried medical staff 104, and resident medical staff 412.

The first building on the present Prince of Wales site at Randwick was an asylum for destitute children housed in the Old Stone Building which is classified by the National Trust. The first hospital, the Catherine Hayes Hospital, was opened in 1870. By 1915 the Defence Department had begun to develop it into a general military hospital. It is thought that the hospital was given its present name in 1923. It was used alternatively as a military hospital (during the wars) and a repatriation hospital until 1953 when it was handed over to the Hospitals Commission of N.S.W. for use as a convalescent and orthopaedic annex for the Sydney Hospital. In 1961 the Prince of Wales Hospital was gazetted as a public hospital independent of the Sydney Hospital, and in 1962 was joined with the Prince Henry Hospital.

The Coast Hospital was established in 1881 at Little Bay as an infectious diseases hospital. Not until 1934 was it renamed the Prince Henry Hospital. At this time an extensive building program was begun.

In 1959 the facilities of the Prince Henry Hospital were made available to the University for medical undergraduate teaching. The hospitals provide a wide range of facilities only a short distance from the University. A library is also available. There is limited student accom-

modation at the Prince Henry Hospital and at the Randwick Chest Hospital adjacent to the Prince of Wales Hospital.

The St. George Hospital

In 1894 the foundation stone of the St. George Cottage Hospital was laid. Later known as the St. George District Hospital, it was renamed the St. George Hospital in about 1950. Originally a Teaching Hospital of the University of Sydney (from 1963), St. George has been a Principal Teaching Hospital of the University since 1967.

It is a general medical and surgical hospital of 543 beds which includes departments of obstetrics and gynaecology, psychiatry and paediatrics. Visiting and staff specialists number 112, and resident medical staff 88.

The Clinical School includes teaching facilities, audio visual equipment, and a library. Accommodation is available for students.

The St. Vincent's Hospital

The St. Vincent's Hospital has been run by the Sisters of Charity since it was founded in 1857. It moved to its present site in 1870.

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

The St. Vincent's Hospital is a general medical and surgical hospital of 591 beds with specialist units in all branches of medicine including psychiatry. The visiting medical staff numbers 110, the salaried 37, and resident medical officers 149.

The Royal Hospital for Women

The Royal Hospital for Women is the University's Teaching Hospital in obstetrics and gynaecology. It is a specialist hospital for obstetrics and gynaecology and includes a department of neonatal paediatrics. The visiting medical staff numbers 47, the salaried medical staff 7, and the resident medical staff 13.

The hospital of 193 beds is owned and operated by the Benevolent Society of NSW, which established Australia's first lying-in hospital in 1820. The present site was occupied in 1902.

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

Currently the Department of Ultrasound at this Hospital leads the world in research and development of this equipment for use in obstetrics.

The Bankstown Hospital

The Bankstown Hospital is a general, maternity and psychiatric hospital, and is an Associated Teaching Hospital of the University. The hospital is situated in the City of Bankstown, in the Western Suburbs 22km from the centre of Sydney. The hospital was officially opened in 1957; since then, a constant program of growth and updating has kept the buildings modern. The latest addition is an intensive and coronary care unit, opened by the Premier in August 1980. The hospital provides basic medical care of a high standard, primarily to the City of Bankstown which is a thriving community of about 170,000 persons.

The hospital has a total of 333 beds, of which 234 are general, 59 maternity, and 40 psychiatric. It employs a staff of 800.

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

The Canterbury Hospital

The Canterbury Hospital is an Associated Teaching Hospital of the University of New South Wales. It is a general medical, surgical and obstetric hospital of 197 beds, including paediatric facilities. It was officially opened in 1929 and the first patients admitted to the then 28 bed hospital.

In the early days the honorary medical staff of the hospital consisted of local general practitioners, later honorary consultants were appointed and now a specialist is in charge of each medical department.

Visiting medical staff totals 71, salaried 6 and resident medical staff 19.

Lewisham Hospital

Lewisham Hospital is a general medical and surgical hospital of 175 beds and is owned and managed by the Sisters of the Little Company of Mary, perhaps better known as the Blue Sisters. It has large departments of medicine, surgery and orthopaedics; there is no obstetrics, paediatrics or open heart surgery. The Sisters have also provided at Lewisham the only Institute of Sports Medicine in Australia.

Visiting medical staff numbers 49, salaried 8 and resident medical staff 17.

The hospital was founded in 1887 by a group of Sisters some eighteen months after their arrival from Nottingham, England. It was the fifth major general hospital to be built in this city and consequently has served the people of Sydney and this State for a long time.

Lewisham Hospital became an Associated Teaching Hospital of the University in 1964.

The Royal South Sydney Hospital

The Royal South Sydney Hospital is an Associated Teaching Hospital of the University with 124 beds. It provides beds for general medicine and surgery and some specialties.

The Hospital is situated in a heavily industrialized area, serving a resident population of 77,000 and a daily influx of 75,000 workers. Management of casualties suffering from industrial injuries is one of the main features of the workload of the Casualty Department. It has recently accepted the new role of establishing a Regional Rehabilitation Service for the Southern Metropolitan Region of the Health Commission.

The honorary and visiting medical staff numbers 49, salaried specialists 3, and resident medical staff 11.

The Sutherland Hospital (Caringbah)

The Sutherland Hospital (Caringbah) is an Associated Teaching Hospital of the University. It was opened as The Sutherland Shire District Hospital in 1958 with 250 beds. The name has been changed several times until it received its present name in December 1970.

It is a general medical, surgical and obstetric hospital of 352 beds with paediatric facilities. Visiting medical staff totals 99, salaried specialist staff 10, and resident medical staff 30. Facilities include a library and accommodation for students.

The Rozelle Hospital

In 1976 Callan Park Hospital and the adjoining Broughton Hall Psychiatric Centre were amalgamated and the complex renamed 'The Rozelle Hospital'. It is an establishment of the Regional Health Commission.

While Rozelle Hospital is not an Associated Teaching Hospital of the University, its special facilities are used by both New South Wales and Sydney Universities and include the following services: five admission wards of about 30 beds each; a psychogeriatric admission service; an out-patient service and a day hospital; a small mental retardation unit; a forensic unit which houses people who have committed criminal offences against a background of mental illness; a large repatriation service and an active rehabilitation service covering 4 wards and a total of some 150 patients.

Accommodation is available for students.

The War Memorial Hospital (Waverley)

The Methodist War Memorial Hospital (Waverley) is a general medical and surgical hospital of 140 beds, including 11 maternity beds.

Although it is not an Associated Teaching Hospital it provides facilities to the University.

The Biomedical Library

The Biomedical 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. It maintains close liaison with libraries of teaching hospitals of the University.

The Biomedical Library is located on levels 2 and 3 of the Mathews Building Annex and hours of opening 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.

Student Clubs and Societies

Students have the opportunity of joining a wide range of clubs and societies. Many of these are affiliated with the Students' Union. There are numerous religious, social and cultural clubs and also many sporting clubs which are affiliated with the Sports Association.

Clubs and societies seeking to use the name of the University in their title, or seeking University recognition, must submit their constitutions either to the Students' Union or the Sports Association if they wish to be affiliated with either of these bodies, or to the Registrar for approval by the University Council.

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 also has the 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. Textbooks, white coats and diagnostic instruments may be bought cheaply. The shop is situated at the Prince of Wales Hospital. An annual magazine, *Nungari* is also produced to which students and staff are encouraged to submit written articles.

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.

Undergraduate Study

3800 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. It 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 last group of students to undertake the six-year course sat for their final examinations at the end of 1978.

The five year medical course leads to the degrees of Bachelor of Medicine (MB) and Bachelor of Surgery (BS) which were recognized in 1975 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.

Undergraduate Course

The course 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.

Under existing admission regulations no more than twenty overseas students will be admitted into first year through the Higher School Certificate entry to the Faculty of Medicine.

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.

First Year

The format of Year 1 has been substantially restructured for 1981 with the creation of four new principal subjects which facilitates the more logical organization of the material being taught. The four subjects are: Introductory Clinical Studies and Human Behaviour, Medical Biophysics, Chemistry and Biochemistry for Medical Students, and Anatomy. Each subject extends over both sessions and incorporates a final examination at the end of Session 2. Assessments also take place at the end of Session 1 but do not constitute a barrier to progression to Session 2. Full details of the rules of progression and examination requirements are issued to students at enrolment.

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, and academic record, is taken into account in the final allocation which is made after the Year 1 examinations. Student representatives are involved in the allocation procedure.

Second Year

This year is conducted in two academic sessions, the principal component of which is an integrated course, Human Structure and Function, embracing anatomy, biochemistry and physiology. The objective is to give students a broad knowledge and understanding of human structure and function based on scientific principles, relevant to further study in medicine. During this year in Clinical Studies II, students make contact with patients and the physical aspects of disease, in order that they may apply their knowledge and understanding to the clinical situation. The strand dealing with human behaviour is continued.

Third Year

The principal subject in Year 3 is Paraclinical Science, integrating general pathology, microbiology, immunology and pharmacology. The strand dealing with human behaviour leads into the third year subject Community Medicine. Clinical Studies III continues the program commenced in Year I and 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 continue to reinforce the scientific basis of medicine. 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. Year 3 is conducted over four terms totalling thirty-eight weeks.

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 subject Integrated Clinical Studies consists largely of medicine, surgery and pathology with components of community medicine and pharmacology. Where possible the emphasis is to teach this subject in an integrated manner. Each main teaching hospital is responsible for the implementation of its own program through a hospital committee appointed by the respective Boards of Medical Studies.

The aim of the year is to enable the student to acquire the competence to function as a general medical or surgical intern. It 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 program consists of interdisciplinary seminars involving all of the clinical disciplines. On completion of this, 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

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

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

All students in Year 5 are enrolled in subject 80.105 Final Clinical Examinations (Terminal Assessment) and are required to sit for an examination at the conclusion of term 5.5 unless exempted on results obtained during Year 5 and on overall performance in the medical course.

At the completion of term 5.5 students will have spent at least one week or its equivalent in general practice during the five-year course.

Sequence of Blocks

Group	A	B	C	D
Term 5.1	Medicine/ Surgery	Paediatrics	Psychiatry	Obstetrics & Gynaecology
Term 5.2	Paediatrics	Psychiatry	Obstetrics & Gynaecology	Medicine/ Surgery
Term 5.3	Psychiatry	Obstetrics & Gynaecology	Medicine/ Surgery	Paediatrics
Term 5.4	Obstetrics & Gynaecology	Medicine/ Surgery	Paediatrics	Psychiatry
Term 5.5	Elective	Elective	Elective	Elective

Medicine

Year 1

		Hours per week	
		S1	S2
70.001	Anatomy I	5	7
80.010	Introductory Clinical Studies and Human Behaviour	3	5
81.001	Medical Biophysics	5	3
81.002	Chemistry and Biochemistry for Medical Students*	8	8
	General Studies Electives	3	3
		24	26

*Prerequisite – 2 unit Science (Chemistry) or 4 unit Science (multistrand) in the percentile range 31-100.

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 (10 weeks)	Term 2 (9 weeks)	Term 3 (9 weeks)	Term 4 (10 weeks)
79.112	Community Medicine	20	18	—	40
80.013	Clinical Studies III	68	62	63	76
80.311	Paraclinical Science	126	114½	115½	94
80.321	Medical Science	20	18	18	—
	General Studies Elective	42 hours spread over four terms			

Year 4

		Term 1 (10 weeks)	Term 2 (9 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.)				

Year 5

		Term 1 (8 weeks)	Term 2 (8 weeks)	Term 3 (8 weeks)	Term 4 (8 weeks)	Term 5 (8 weeks)
75.101	Obstetrics and Gynaecology					
76.101	Paediatrics					
77.101	Psychiatry					
80.500	Elective					
80.501	Medicine/Surgery					
80.105	Final Clinical Examinations					

Undergraduate Study

3830 Bachelor of Medical Science

A one-year program leading to the award of the degree of BMedSc is 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.

Pharmacology, Physiology, Psychology, or in any other subject approved by the BMedSc Committee, provided that the candidate's performance in the subject area shall have been of a high standard.

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

2. (a) Medical graduates may enrol for the degree of BMedSc in any subject approved by the BMedSc Committee provided that their performance in the subject area shall have been of a high standard.

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

Rules for the Award of the Bachelor of Medical Science Degree

1. (a) Undergraduates who have successfully completed the first two years of the medical course may enrol for the degree of BMedSc in one of the following subjects: Anatomy, Biochemistry, Physiology, Psychology or in any other subject approved by the BMedSc Committee, provided that the candidate's performance in the subject area shall have been of a high standard.

(b) Undergraduates who have successfully completed the first three years of the medical course may enrol for the degree of BMedSc in one of the following subjects: Anatomy, Biochemistry, Microbiology, Pathology,

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

4. The duration of the course shall be 2 sessions.

5. The award upon completion of the course shall be the pass degree of Bachelor of Medical Science; if the performance of the student has been unsatisfactory, no award shall be made.

Undergraduate Study

3820 Combined Science and Medical Course (BSc MBBS)

The Science/Medicine course is an alternative course of study, whereby, over a six-year program, a student may complete the degree of Bachelor of Science, with the bachelor degrees of Medicine and Surgery. The Science/Medicine course is intended for those students with special interest and aptitude in science, who wish to obtain a firm grounding in basic sciences.

A limited number of places (8) are available in this course, and these are open only to students who have been accepted for entry into the Faculty of Medicine.

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

The student will undertake a three-year approved course of study leading to the award of the degree of BSc, and on completion, will enter the third year of the normal medical course.

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

After the three years, the student may apply to do Honours in the subject of his/her major, before entering the medical program.

Undergraduate Course

The Science course is divided up into subjects each of which is assigned a 'unit value'. For the Science degree, 23 units are required, together with three General Studies electives. Students usually do 8 units in First Year, 7 in Second Year, and 8 in Third Year; the General Studies electives are usually done in Second and Third Years.

First Year

All students do two units each of Physics, Chemistry, Mathematics and Biology. There is a choice of level in Physics and Mathematics.

Second Year

All students must do two units each of Biochemistry, Anatomy, and Physiology, and one unit of Human Behaviour; except that students majoring in Biochemistry must take a unit of Organic Chemistry instead of one of the Biochemistry units. One General Studies elective is required (some students take more).

Third Year

Students are required to do a minimum of 4 Level III units in the subject of their major, which must be Anatomy, Biochemistry, Physiology, or Psychology; together with a specified minimum number of units in Anatomy, Biochemistry, and Physiology. The possible combinations are indicated in the following table. Two General Studies electives are also required.

Subjects

Details of subjects are given in the Combined Sciences Handbook. Subjects are listed in order of their assigned prefixes, viz.:

- 1 Physics
- 2 Chemistry
- 10 Mathematics
- 17 Biological Sciences
- 41 Biochemistry
- 70 Anatomy
- 73 Physiology and Pharmacology

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

Year 1

Session 1

- 2.121 Chemistry IA
- 17.031 Cell Biology (this is not the same as 80.201 Cellular Biology)

Session 2

- 2.131 Chemistry IB
- 17.021 Biology of Higher Organisms (Students in percentile range 31-100 in HSC 4 unit Science with Biology or 2 unit Biology may be permitted instead to transfer to 43.101 Introductory Genetics, 45.201 Invertebrate Zoology, or 45.301 Vertebrate Zoology.)

Year 3

Full Year

- 1.001 Physics I
- or
- 1.011 Higher Physics I (students should consult the School)
- 10.001 Mathematics I
- or
- 10.011 Higher Mathematics I
- or
- 10.021B General Mathematics IB (Session 1 only)
- and
- 10.021C General Mathematics IC (Session 2 only)

Year 2

Session 1

- 41.101 Biochemistry
- 70.011A Histology I
- 70.011C Introductory Anatomy

Session 2

- 41.111 Biochemical Control*

Full Year

- 73.111 Physiology IA
- 80.014 Human Behaviour. (Science course)

Session 1 and 2

1 General Studies elective

*Students majoring in Biochemistry should take 2.002B Organic Chemistry instead of 41.111 Biochemical Control. For students majoring in Biochemistry and Physiology, 2.002B will be accepted in lieu of 41.111 as a prerequisite for 73.012 Physiology II.

Students not majoring in Anatomy commonly take an additional Anatomy unit in Session 2 – this may be either 70.012B Visceral Anatomy, 70.011B Mammalian Embryology, or 70.304 Histology II (listed in approximate order of likely usefulness).

	Anatomy Major	Biochemistry Major	Physiology Major
Core Units	<i>2 General Studies electives</i> 4 Level III Anatomy units	<i>2 General Studies electives</i> 41.102A 41.102B	<i>2 General Studies electives</i> 73.012
Single Major	<i>together with:</i> 73.012F 3 Elective units	<i>together with:</i> 2 Level III Anatomy units 73.012F 1 Elective unit	<i>together with:</i> 2 Level III Anatomy units 2 Elective units
Double Major with Anatomy	3 Level III Anatomy units (makes total of 7)	4 Level III Anatomy units	4 Level III Anatomy units
Double Major with Biochemistry	41.102A 41.102B	(double major not available)	41.102A 41.102B
Double Major with Physiology	73.012	73.012	(double major not available)

Fourth Year

Students will normally join the Third Year of the Medical Course.

Students may apply to take Honours in the subject of their major before proceeding to the Medical course. The Honours program is a one-year research project in the School, together with one General Studies elective. Enquiries should be directed to the Head of the appropriate School.

Graduate Study

Faculty of Medicine Graduate Enrolment Procedures

All students enrolling in graduate courses should obtain a copy of the free booklet *Enrolment Procedures 1981* available from the School Offices and the Admissions Office. This booklet provides detailed information on enrolment procedures and fees, enrolment timetables by Faculty and course, enrolment in miscellaneous subjects, locations and hours of Cashiers and late enrolments

Graduate Courses

At the graduate level, study for the degrees of Doctor of Medicine (MD), Master of Paediatrics (MPaed) 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**.

Graduate Study

Conditions for the Award of Higher Degrees

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.

Higher Degrees

The following is the list of higher degrees and graduate diplomas of the University, together with the publication in which the conditions for the award appear.

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

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

	Title	Abbreviation	Calendar/Handbook
Higher Degrees	Doctor of Science	DSc	Calendar
	Doctor of Letters	DLitt	Calendar
	Doctor of Laws	LLD	Calendar
	Doctor of Medicine	MD	Calendar Medicine
	Doctor of Philosophy	PhD	Calendar and all handbooks
	Master of Applied Science	MAppSc	Applied Science
	Master of Architecture	MArch	Architecture
	Master of Archives Administration	MArchiv Admin	Professional Studies

Title	Abbreviation	Calendar/Handbook
Master of Arts	MA(Hons)	Arts Military Studies
	MA	Arts Military Studies
Master of Biomedical Engineering	MBiomedE	Engineering
Master of Building	MBuild	Architecture
Master of the Built Environment	MBE _{nv}	Architecture
Master of the Built Environment (Building Conservation)		
Master of Business Administration	MBA	AGSM
Master of Chemistry	MChem	Sciences*
Master of Commerce (Honours)	MCom(Hons)	Commerce
Master of Commerce	MCom	Commerce
Master of Education	ME _d	Professional Studies
Master of Educational Administration	ME _d Admin	Professional Studies
Master of Engineering	ME	Applied Science Engineering Military Studies
Master of Engineering <i>without supervision</i>		
Master of Engineering Science	MEngSc	Engineering Military Studies
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	MLib	Professional Studies
Master of Mathematics	MMath	Sciences*
Master of Optometry	MOptom	Sciences*
Master of Paediatrics	MPaed	Medicine
Master of Physics	MPhysics	Sciences*
Master of Psychology	MPsychol	Sciences§
Master of Public Administration	MPA	AGSM
Master of Science	MSc	Applied Science Architecture Engineering Medicine Military Studies Sciences*§
Master of Science <i>without supervision</i>		
Master of Science (Acoustics)	MSc(Acoustics)	Architecture
Master of Science and Society	MScSoc	Sciences*
Master of Science (Biotechnology)	MSc (Biotech)	Sciences§
Master of Science (Building)	MSc(Building)	Architecture

Title	Abbreviation	Calendar/Handbook
Master of Social Work	MSW	Professional Studies
Master of Statistics	MStats	Sciences*
Master of Surgery	MS	Medicine
Master of Surveying	MSurv	Engineering
Master of Surveying <i>without supervision</i>		
Master of Surveying Science	MSurvSc	Engineering
Master of Town Planning	MTP	Architecture

Graduate Diplomas

Graduate Diploma	GradDip	Applied Science Architecture Engineering Sciences§ Sciences*
	DipFDA DipArchivAdmin DipEd DipLib	

*Faculty of Science.

†Professorial Board.

§Faculty of Biological Sciences.

Doctor of Medicine (MD)

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

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

Qualifications

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

- (1) 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
- (2) hold the degrees of Bachelor of Medicine and Bachelor of Surgery and either Bachelor of Science or Bachelor of Medical Science or Bachelor of Science (Medicine) from the University of New South Wales with at least five years' standing in respect of the degrees of Bachelor of Medicine and Bachelor of Surgery; or

*In these conditions the term 'published work' shall mean printed as a book or 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.

(3) hold 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 and submit such other evidence in support of the candidature as may be acceptable to the Committee; or

(4) hold the degrees of Bachelor of Medicine and Bachelor of Surgery with honours from 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

(5) in other cases, submit such evidence of general and professional qualifications in support of the candidature as may be acceptable to the Committee.

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

Award of Degree
by Thesis

4. A candidate who elects to proceed to the degree of Doctor of Medicine by thesis shall lodge an application with the Registrar on the prescribed form:

Registration

(1) within six to nine months before the intended date of submission of the thesis if the candidate seeks to register as an external candidate proceeding to the degree without supervision; or

(2) at least one month before the commencement of the session in which the candidature is to begin in all other cases.

5. An approved applicant shall be registered in one of the following categories:

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

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

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

6. If a candidate for the degree by thesis is not a graduate of the University of New South Wales, the greater proportion of the work described must have been carried out in the University or in one of its teaching hospitals, save that in special cases the Committee may permit a candidate to conduct the work at other places where special facilities not possessed by the University may be available or where the subject of the research is uniquely located; 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 Committee.

7. A candidate shall work under such supervision as the Committee may determine.

8. The progress of a candidate shall be reviewed annually by the Committee. As a result of such review, and the recommendation of the head of school* in which the candidate is registered, the Committee may terminate the candidature or take such other action as is considered appropriate.

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

Thesis **10.** The thesis shall comply with the following requirements:

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

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

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

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

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.

13. Four copies of the thesis shall be presented in a form which complies with the requirements of the University for the preparation and submission of higher degree theses. The candidate may also submit any work previously published whether or not such work is related to the thesis.

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

Examination **15.** There shall normally be three examiners of the thesis, appointed by the Professorial Board on the recommendation of the Committee, at least two of whom shall be external to the University.

16. After examining the thesis each examiner shall submit to the Committee a concise report on the merits of the thesis and shall recommend to the Committee that:

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

(2) the candidate be awarded the degree without further examination subject to minor corrections as listed being made to the satisfaction of the head of school*; or

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

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

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

*Or department where a department is not within a school.

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

**Award of Degree by
Published Work**

(1) four copies (wherever possible) of the published work;

(2) any additional work, published or unpublished, which a candidate may wish to submit in support of the application;

(3) a declaration indicating those sections of the work, if any, which have been submitted previously for a university degree or other similar award.

18. Every candidate in submitting published work and such unpublished work as is deemed appropriate shall submit a short discourse describing the research activities embodied in the submission. The discourse shall make clear the extent of the originality 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 Committee, at least two of whom shall be external to the University. The examiners may require the candidate to answer orally or in writing any questions concerning the work.

20. At the conclusion of the examination each examiner shall submit a concise report to the Committee on the merits of the published work and a recommendation as to whether the degree should be awarded.

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

Fees

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:

**Doctor of
Philosophy (PhD)**

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

Qualifications

(1) hold an honours degree from the University of New South Wales; or

(2) hold an honours degree or equivalent standing from another approved university; or

(3) if the candidate 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 higher degree committee of the appropriate faculty or board of studies (hereinafter referred to as the committee) as equivalent to honours; or

*Or department where a department is not within a school.

(4) 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 committee.

3. When the committee is not satisfied with the qualifications submitted by a candidate, the committee may require the candidate, before being permitted to register, to undergo such examination or carry out such work as the committee may prescribe.

Registration

4. A candidate for registration for a course of study leading to the degree of Doctor of Philosophy shall apply to the Registrar on the prescribed form at least one calendar month before the commencement of the session in which registration is to begin.

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

(1) a candidate fully engaged in advanced study and research for the degree, who before registration was engaged upon research to the satisfaction of the committee, may be exempted from not more than two academic sessions;

(2) in special circumstances the committee may grant permission for the candidate to spend not more than one calendar year of the program in advanced study and research at another institution provided that the work can be supervised in a manner satisfactory to the committee;

(3) in exceptional cases, the Professorial Board on the recommendation of the committee 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 for examination not later than ten academic sessions from the date of registration. A candidate not fully engaged in research shall present for examination not later than twelve academic sessions from the date of registration. In special cases an extension of these times may be granted by the committee.

7. The candidate shall be fully engaged in advanced study and research, save that:

(1) the committee may permit a candidate to undertake a limited amount of University teaching or outside work which in its judgment will not interfere with the continuous pursuit of the proposed course of advanced study and research;

(2) 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 committee shall prescribe a minimum period for the duration of the program;

(3) in special circumstances, the committee 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 a program in a school* of the University. In such a case the committee shall prescribe for the duration of the program a minimum period which, in its opinion, having regard to the proportion of the time which the candidate is able to devote to the program in the appropriate University school* is equivalent to the six sessions ordinarily required.

8. Every candidate shall pursue a program under the direction of a supervisor appointed by the committee 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 committee may permit a candidate to conduct the 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 research for approval by the committee. After the topic has been approved it may not be changed except with the permission of the committee.

10. A candidate may be required by the committee to attend a formal course of appropriate study.

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

(1) the greater proportion of the work described must have been completed subsequent to registration for the PhD degree;

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

(3) 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;

(4) it must reach a satisfactory standard of expression and presentation.

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

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

The abstract shall indicate:

(1) the problem investigated;

(2) the procedures followed;

(3) the general results obtained;

(4) 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 the thesis any work or material which has previously been submitted for a university degree or other similar award.

15. The candidate shall give in writing two months' notice of intention to submit the thesis.

Entry for
Examination

16. Four copies of the thesis shall be presented in a form which complies with the requirements of the University for the preparation and submission of higher degree theses. The candidate may also submit any work previously published whether or not such work is related to the thesis.

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.

*Or department where a department is not within a school.

18. There shall normally be three examiners of the thesis appointed by the Professorial Board on the recommendation of the committee, at least two of whom shall be external to the University.

19. At the conclusion of the examination each examiner shall submit to the committee a concise report on the merits of the thesis and shall recommend to the committee that:

- (1) The candidate be awarded the degree without further examination; or
- (2) the candidate be awarded the degree without further examination subject to minor corrections as listed being made to the satisfaction of the head of the school*; or
- (3) the candidate be awarded the degree subject to a further examination on questions posed in the report, performance in this further examination being to the satisfaction of the committee; or
- (4) the candidate be not awarded the degree but be permitted to resubmit the thesis in a revised form after a further period of study and/or research; or
- (5) the candidate be not awarded the degree and be not permitted to resubmit the thesis.

20. If the performance at the further examination recommended under Rule **19.** (3) is not to the satisfaction of the committee the committee may permit the candidate to re-present the same thesis and submit to a further oral, practical or written examination within a period specified by them but not exceeding eighteen months.

21. The committee shall, after consideration of the examiners' reports and the reports of any oral or written or practical examination, recommend whether or not the candidate may be admitted to the degree.

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

Master of Paediatrics by Formal Course Work (MPaed)

1. The degree of Master of Paediatrics (by formal course work) may be awarded by the Council on the recommendation of the Higher Degree Committee of the Faculty of Medicine (hereinafter referred to as the Committee) to candidates who have satisfactorily completed an approved program of advanced study.

Qualifications

2. (1) Applicants for registration for the degree shall have been admitted to the degree of Bachelor of Medicine/Bachelor of Surgery in the University of New South Wales or equivalent degree(s) in another approved university.

(2) Applicants shall have had at least twelve months of postgraduate hospital experience before commencing the formal course of study.

(3) In exceptional cases applicants may be registered as candidates for the degree if they submit evidence of such academic and professional attainments as may be approved by the Committee.

(4) Notwithstanding any other provisions of these conditions the Committee may require applicants to demonstrate fitness for registration by completing a qualifying program or such other tests as determined by the Committee.

*Or department where a department is not within a school.

- 3.** (1) Application to register as a candidate for the degree should be made on the prescribed form which shall be lodged with the Registrar at least two full calendar months before commencement of the program of study. **Registration and Progression**
- (2) Approved applicants shall register as students in part-time attendance at the University (in this context 'University' shall be taken to include the teaching hospitals of the University).
- (3) The progress of candidates shall be reviewed at least once annually by the Committee and as a result of its review the Committee may terminate candidature or take such other action as it considers appropriate.
- (4) Normally candidates shall not be considered for the award of the degree until the completion of three years of approved professional training in paediatrics.
- (5) Candidates shall normally present themselves for examination not later than four years from the date of registration.
- (6) Candidates shall be required to undertake such formal course of study, pass such examinations as may be prescribed by the Committee, and where specified, submit a report on such project or projects as may be required.
- 4.** Having considered a candidate's results in the prescribed course of study, the Committee shall recommend whether the candidate may be admitted to the degree. **Recommendation for Admission to Degree**
- 5.** Approved candidates shall pay such fees as may be determined from time to time by the Council. **Fees**
- 1.** The degree of Master of Science may be awarded by the Council on the recommendation of the Higher Degree Committee of the appropriate Faculty or Board of Studies (hereinafter referred to as the Committee) to a candidate who has demonstrated ability to undertake research by the submission of a thesis embodying the results of an original investigation. **Master of Science (MSc)**
- 2.** (1) An applicant for registration for the degree shall have been admitted to the degree of Bachelor in the University of New South Wales, or other approved University in an appropriate School or Department. **Qualifications**
- (2) 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 Committee.
- (3) Notwithstanding any other provisions of these conditions the Committee may require an applicant to demonstrate fitness for registration by carrying out such work and sitting for such examinations as the Committee may determine.
- 3.** (1) 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. **Registration**
- (2) In every case before permitting an applicant to register as a candidate the Committee shall be satisfied that adequate supervision and facilities are available.
- (3) 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.

(4) 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 Committee. This work shall be carried out under the direction of a supervisor appointed by the Committee or under such conditions as the Committee may determine.

(5) At least once a year and at any other time that the 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.

(6) 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 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 for examination not later than six academic sessions from the date of registration. A candidate not fully engaged in research shall present for examination not later than twelve academic sessions from the date of registration. In special cases an extension of these times may be granted by the Committee.

Thesis

4. (1) A candidate for the degree shall be required to submit three copies of the thesis referred to in paragraph 3. (4) which 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.

(2) 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.

(3) 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.

Recommendation for Admission to Degree

5. Having considered the examiners' reports the Committee shall recommend whether or not the candidate should be admitted to the degree.

Fees

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

Master of Surgery (MS)

1. The degree of Master of Surgery may be awarded by the Council on the recommendation of the Higher Degree Committee of the Faculty of Medicine (hereinafter referred to as the Committee) to a candidate who:

(1) Shall produce evidence acceptable to the Committee 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 Committee. This requirement need not be completed prior to registration as a candidate.

(2) Shall have presented a satisfactory thesis.

(3) *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.** (1) 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. **Qualifications**
- (2) 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 Committee.
- (3) Notwithstanding any other provisions of these conditions, the Committee may require an applicant to demonstrate fitness for registration by carrying out such work and sitting for such examinations as the Committee may determine.

- 3.** (1) An application to register as a candidate for the degree shall be made on the prescribed form, which shall be lodged with the Registrar at least two full calendar months before the commencement of the session in which the candidate desires to register. **Registration**
- (2) In every case, before permitting an applicant to register as a candidate, the Committee shall be satisfied that adequate supervision and facilities are available.
- (3) 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.
- (4) 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 Committee. The work shall be carried out under the direction of a supervisor appointed by the Committee or under such conditions as the Committee may determine.
- (5) 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 Committee be reduced by up to two sessions.

- 4.** (1) A candidate for the degree shall be required to submit four copies of thesis referred to in paragraph **3.** (4) which 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. **Thesis**
- (2) There shall normally be three examiners of the thesis, appointed by the Professorial Board on the recommendation of the Committee, at least two of whom shall be external examiners.
- (3) 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.

- 5.** Having considered the examiners' reports the Committee shall recommend whether or not the candidate should be admitted to the degree. **Recommendation for Admission to Degree**

- 6.** An approved candidate shall pay such fees as may be determined from time to time by the Council. **Fees**

Subject Descriptions

Identification of Subjects by Numbers

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

Each approved subject of the University is identifiable both by number and by name as this is a check against nomination of subject other than the one intended.

Subject numbers are allocated by the Registrar and the system of allocation is based on the following guidelines:

1. The authority offering the subject, normally a School of the University, is indicated by the number before the decimal point.
2. Each subject number is unique and is not used for more than one subject title.
3. Subject numbers which have not been used for some time are not used for new subject titles.
4. Graduate subjects are indicated by a suffix 'G' to a number with three digits after the decimal point. In other subjects three or four digits are used after the decimal point.

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

The identifying numerical prefixes for each subject authority are set out on the following page.

School, Department etc	Faculty
1 School of Physics	Science
2 School of Chemistry	Science
4 School of Metallurgy	Applied Science
5 School of Mechanical and Industrial Engineering	Engineering
6 School of Electrical Engineering and Computer Science	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 School of Mechanical and Industrial Engineering (Industrial Engineering)	Engineering
21 Department of Industrial Arts	Architecture
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
30 Department of Organizational Behaviour	Commerce
31 School of Optometry	Science
32 Centre for Biomedical Engineering	Engineering
35 School of Building	Architecture
36 School of Town Planning	Architecture
37 School of Landscape Architecture	Architecture
38 School of Food Technology	Applied Science

School, Department etc	Faculty
39 Graduate School of the Built Environment	Architecture
40 Professorial Board	
41 School of Biochemistry	Biological Sciences
42 School of Biotechnology	Biological Sciences
43 School of Botany	Biological Sciences
44 School of Microbiology	Biological Sciences
45 School of Zoology	Biological Sciences
48 School of Chemical Engineering and Industrial Chemistry	Applied Science
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 Studies	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
81 Medicine/Science/Biological Sciences	Medicine
85 Australian Graduate School of Management	AGSM
90 Faculty of Law	Law
97 Division of Postgraduate Extension Studies	

Faculty of Medicine

Undergraduate Study

70.001 Anatomy I

An introductory subject in Human Anatomy, embracing the disciplines of Gross Anatomy (Topographical Anatomy), Histology, and Embryology. Teaching hours include one 3-hour practical/tutorial class per week, with an additional 2-hour class per week in Session 2 only; together with 1-2 hours per week of lectures.

Techniques of microscopy; cell structure, cell division, morphological aspects of cell function (phagocytosis, cell movement, secretion); histology of basic tissues (epithelia, muscle, nerve, connective tissue); gross anatomy of musculoskeletal system – topographical anatomy of upper and lower limbs, head and neck, and back; early embryology, from conception to formation of organ systems.

75.101 Obstetrics and Gynaecology

Taken in Year 5. A program of lectures in core subjects, clinical physiological and pathological conferences and simulated patient management problem exercises. Students are taught in small tutorial groups.

Supervised clinical experience is gained in out-patient clinics, in-patient services and the labour wards of The Royal Hospital for Women, St. George, Canterbury, Port Kembla, Wollongong, Sutherland and other selected hospitals.

Assessment is by continuing evaluation of clinical work and in week eight there is a final oral and written examination. Neonatal paediatric experience is integrated with the teaching of Obstetrics and Gynaecology.

Full details are described in a booklet published by the School.

76.101 Paediatrics

The Year 5 general paediatric program is taught at the Prince of Wales Children's Hospital and at the St. George and Sutherland Hospitals. Teaching includes some lectures, case conferences, discussion groups, seminars and ward rounds and clinical involvement. The main emphasis, however, is on clinical clerking. Students are expected to spend one night in four in residence, as well as one weekend per term. Assessment is by a multiple choice question paper and a clinical examination. Neonatal paediatric experience is integrated with the teaching of Obstetrics and Gynaecology.

77.101 Psychiatry

Taken in Year 5. Consists of seminars in general Psychiatry held in the mornings of the first five weeks, followed by small group tutorials and selected readings on related topics. A program of study and practice in practical topics is held in the mornings of weeks six and seven.

Together with this, clinical experience is obtained at the Prince Henry, Prince of Wales, St. George, St. Vincent's and The Rozelle Hospitals and other selected facilities during the afternoons of weeks one to eight.

Assessment is by multiple choice questionnaire and *viva voce* examinations in the mornings of week eight.

79.112 Community Medicine

The major formal teaching commitment in Community Medicine takes place in Year 3. Within the aims of the subject, students are encouraged to follow issues which are of greatest relevance to their own interests and development and are also encouraged to work in groups as much as possible.

Includes lectures and discussions, assignments, visits to organizations and a project in the community. Special optional programs are arranged for interested students in areas where the formal curriculum is considered to be deficient, eg dying and bereavement. It is at this stage of the medical course that the emphasis on practice in the community takes place through formal classes on general practice, commencement of preceptor attachments and tutorials on subjects relevant to general practice.

Introduction to community health centres and other aspects of community care also commences at this stage. The program also includes community aspects of human genetics and medical statistics.

Clinical Studies

In the Introductory Clinical Studies component of 80.010 and in Clinical Studies II and III students are prepared for clinical clerking in the subject Integrated Clinical Studies in Year 4 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.

80.101 Introductory Clinical Studies and Human Behaviour

The goal of the Introductory Clinical Studies component of this subject, which comprises one tutorial per week in both sessions, is to increase students' experience and understanding of human relations so that they can apply this understanding to their medical studies and practice. This includes the study of themselves in relation to their fellow students and others; human relations within and between groups; and human relations within the community. This is achieved in tutorial groups where students under the guidance of a tutor are encouraged to take the initiative by designing their own learning program and by preparing and presenting group projects.

In the Human Behaviour component of the course which commences in Session 2, 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 film material and structured tutorial-discussion sessions.

80.012 Clinical Studies II

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

80.013 Clinical Studies III

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

80.105 Final Clinical Examinations**80.112 Human Structure and Function II**

An integrated and co-ordinated subject 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.

80.212 Human Behaviour II

Taught in both sessions of Year 2. 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: scientific methods in the behavioural sciences; the influence of heredity and environment on behaviour; human motivation and emotion; thinking and language; learning and memory; the psychology of stress; the psycho-physiology of sleep; altered states of consciousness; gender differences; and the psychology of interpersonal behaviour.

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

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.

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.

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.

80.500 Elective

Students who have successfully completed terms 5.1 to 5.4 arrange a personal program of work for term 5.5. This may include work in any school or department within the Faculty; at a hospital or medical institution either in Australia or in another country; or with a medical practitioner either in Australia or in another country. The program must be approved by the Dean prior to the commencement of the term and students must produce a report at the end of the elective term.

Medicine

80.501 Medicine/Surgery

The purpose of this term is to enable the student to participate in the recognition, diagnosis and immediate management of a wide variety of acute medical and surgical conditions. The experience should include the emergency care of some life threatening medical and surgical conditions, evaluation of the criteria for referral for specialist advice and care and the appropriate use of investigations in primary medical care. Such experience is to be gained from attachment to casualty, accident or emergency centres at principal teaching hospitals (with supervisor); attachment to a supervisor at any approved hospital (urban, country, interstate or overseas); attachment to an approved supervisor in any general practice (urban, country, interstate or overseas).

The students are free to make individual arrangements for these attachments to approved locations, which must be approved by the Dean prior to the commencement of the term.

The student's supervisor submits a report to the Dean's office at the conclusion of the term and the appropriate Head of School assesses the report.

81.001 Medical Biophysics

Light, optics, lenses, image formation, instruments, the microscope, the eye, lasers, the ophthalmoscope. Vapor pressure, surface tension, viscosity, wetting, hydrodynamics, fluid flow. Electricity, electrical energy, electrical instruments, capacitors, transients, oscillography. Wave motion, modern physics, em radiation, diathermy, photons, quanta, nuclear radiations, radiation biology, quantum vision. Cells and the cellular environment, surface membrane of the cell, electrical and other functions, membrane transport, molecules, macro-molecules, ionic equilibria across cell membranes. Fluid and gas flows in biological systems.

81.002 Chemistry and Biochemistry 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.

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

Graduate Study

Servicing Subject

72.402G Principles of Disease Processes

Financial Assistance to Students

The scholarships and prizes listed below are available to students whose courses appear in this handbook. Each faculty handbook contains in its **Financial Assistance to Students** section the scholarships and prizes available within that faculty. The **General Information** section of the Calendar contains a comprehensive list of scholarships and prizes offered throughout the University.

Scholarships

Undergraduate Scholarships

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 Records, Higher Degrees and Scholarships Section, 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. Please note that not all these awards are available every year.

Donor	Value	Year/s of Tenure	Conditions
General			
Bursary Endowment Board*	\$150 pa	Minimum period of approved degree/ combined degree course	Merit in HSC and total family income not exceeding \$4000.
Sam Cracknell Memorial	Up to \$3000 pa payable in fortnightly instalments	1 year	Prior completion of at least 2 years of a degree or diploma course and enrolment in a full-time course during the year of application; academic merit; participation in sport both directly and administratively; and financial need.

*Apply to the Secretary, Bursary Endowment Board, PO Box 460, North Sydney 2060 immediately after sitting for HSC.

Undergraduate Scholarships (continued)

Donor	Value	Year/s of Tenure	Conditions
General (continued)			
Girls Realm Guild	Up to \$1500 pa	1 year renewable for the duration of the course, subject to satisfactory progress and continued demonstration of need	Available only to female students under 35 years of age enrolling in any year of a full-time undergraduate course on the basis of academic merit and financial need.

Graduate Scholarships

Application forms and further information are available from the Student Records, Higher Degrees and Scholarships Section, located in the Chancellery. This Unit provides information on additional scholarships which may become available from time to time, mainly from funds provided by organizations sponsoring research projects.

General

University of New South Wales Research Awards	Living allowance of \$4000 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). Applications to Registrar by 31 October (30 November in special circumstances).
Commonwealth Post-graduate Research Awards		1-2 years; minimum duration of course	Applicants must be honours graduates (or equivalent) or scholars who will graduate with honours in current academic year, and who are domiciled in Australia.
Commonwealth Post-graduate Course Awards			Preference is given to applicants with employment experience. Applicants must be graduates or scholars who will graduate in current academic year, and who have not previously held a Commonwealth Post-graduate Award. Applications to Registrar by 30 September. In special circumstances applications will be accepted 30 November.
Australian American Educational Foundation Travel Grant*			Applicants must be graduates, senior scholars or post-doctoral Fellows. Applications close 30 September.
Australian Federation of University Women	Amount varies depending on award	Up to 1 year	Applicants must be female graduates who are members of the Australian Federation of University Women.
The British Council Academic Links and Interchange Schemet	Cost of travel to UK		Applicants must be either senior or junior academic staff. Preference will be given to activities likely to lead to further collaboration through joint research, publication, and/or teaching programs. Applications may be made at any time and should be submitted to the Registrar.

See footnotes next page

Graduate Scholarships (continued)

Donor	Value	Year/s of Tenure	Conditions
General (continued)			
The Caltex Woman Graduate of the Year	\$5000 pa for further studies in USA, UK, Northern Europe or in special cases Australia. There are no special allowances for travel or accommodation for married graduates	2 years	Applicants must be female graduates who will have completed a University degree or diploma this year and who are Australian citizens or have resided in Australia for at least seven years. Selection is based on scholastic and literary achievements, demonstrable qualities of character and accomplishments in cultural and/or sporting/recreational activities.
Commonwealth Scholarship and Fellowship Plan	Varies for each country. Generally covers travel, living, tuition fees, books and equipment, approved medical expenses. Marriage allowance may be payable	Usually 2 years, sometimes 3	Applicants must be graduates who are Commonwealth citizens or British Protected Persons, and who are not older than 35 years of age. Applications close with Registrar by 1 October.
Sam Cracknell Memorial	Up to \$3000 pa		See above under Undergraduate Scholarships, General.
The English-Speaking Union (NSW Branch)	\$5000		Applicants must be residents of NSW or ACT. Awarded to young graduates to further their studies outside Australia.
Gowrie Graduate Research	Maximum \$2000 pa in Australia, and \$2750 if tenable overseas	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, health insurance, book and equipment and other allowances for travel and study in the USA	Between 12 to 21 months	Candidates must be either: 1. Members of the Australian or a State Public Service or semi-government Authority. 2. Staff or graduate students at an Australian university. 3. Individuals recommended for nomination by the Local Correspondents. The candidate will usually have an honours degree or equivalent, or an outstanding record of achievement, and be not more than 36 years of age. Applications close July.
Frank Knox Memorial Fellowships at Harvard University	Stipend of \$4000 pa plus tuition fees	1, sometimes 2 years	Applicants must be British subjects and Australian citizens, who are graduates or near graduates of an Australian University.*

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

**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.

†Application forms available from The British Council, PO Box 88, Edgecliff, NSW 2077.

Graduate Scholarships (continued)

Donor	Value	Year/s of Tenure	Conditions
General (continued)			
Nuffield Foundation Commonwealth Travelling Fellowships†	Living and travel allowances	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*	Approximately £4000 stg pa	2 years, may be extended for a third year	Unmarried male and female Australian citizens, 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 early September each year.
Rothmans Fellowships Award††	\$14000 pa	1 year, renewable up to 3 years	The field of study is unrestricted. Applications close early September each year.

Medicine

The following organizations make available grants-in-aid for research in medical and related fields to enable graduates to undertake graduate study and research for higher degrees. They may be applied for through the Student Records, Higher Degrees and Scholarships Section, unless otherwise indicated.

The National Health and Medical Research Council	\$10145-\$11598 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**			31 August
The Asthma Foundation of New South Wales**			1 August
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
The Australian Kidney Foundation			To enable a suitable graduate to undertake research into function or disease of the kidney, urinary tract and related organs
Australian Tobacco Research Foundation		Under review	To enable a suitable graduate to undertake research into the relationship between tobacco smoking and health and disease.

†Applications to the Secretary, The Nuffield Foundation Australian Advisory Committee, PO Box 783, Canberra City 2601.

*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.

**Applications to the Registrar.

Prizes

Undergraduate University Prizes

Donor/Name of Prize	Value \$	Awarded for
General		
Sydney Technical College Union Award	50.00 and medal	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

Faculty of Medicine

FRATADD	200.00	Essay on a clinical or scientific aspect of alcoholism or a drug of dependence. One prize available to undergraduates and graduates.
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

School of Anatomy

The Prize in Practical Anatomy	50.00	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	50.00	Outstanding merit in Anatomy in final year of the Science and Mathematics course

School of Community Medicine

2/5 Australian General Hospital Association	150.00	Proficiency in Community Medicine
Australia and New Zealand Society of Occupational Medicine	100.00	Excellence in the Occupational Health option of Community Medicine
Australian Medical Association	100.00	Excellence in a student's period of attachment in general practice
Health Commission of NSW	50.00	79.112 Community Medicine

School of Medicine

David Jeremy Keen Memorial	50.00	80.212 Human Behaviour II
W. G. Telleson Memorial	31.50	80.013 Clinical Studies III

Undergraduate University Prizes (continued)

Donor/Name of Prize	Value \$	Awarded for
School of Obstetrics and Gynaecology		
Royal Hospital for Women Senior Medical Staff	50.00	Final written and practical examinations in Obstetrics and Gynaecology
Gordon Lowe Memorial	25.00	Clinical and oral examinations in Obstetrics and Gynaecology

School of Paediatrics

Carnation Award	105.00	Best academic attainment in Paediatrics in the second term of the final year of the medical course
Margaret Dance Memorial Award	100.00	Best academic attainment in Paediatrics in the third term of the final year of the medical course
Margaret Dance Memorial Award	100.00	Best academic attainment in Paediatrics in the fourth term of the final year of the medical course
Mead Johnson Award	100.00	Best academic attainment in Paediatrics in the first term of the final year of the medical course
Paediatrics Staff	100.00	Paediatrics

School of Pathology

G. R. Cameron Memorial	50.00	Excellence in the Pathology component of 80.311 Paraclinical Science
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School of Psychiatry

John Kerridge Memorial	50.00	Psychiatry
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School of Surgery

The Royal Australian College of Ophthalmologists	50.00	Essay on Ophthalmological subject
The Graduation Prize in Surgery	100.00	80.400 Integrated Clinical Studies

Graduate University Prizes

Faculty of Medicine

Foundation for Research and Treatment of Alcoholism and Drug Dependence of New South Wales	200.00	Essay on a clinical or scientific aspect of alcoholism or a drug of dependence. One prize available to undergraduates and graduates.
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Staff

Comprises Schools of Anatomy, Community Medicine; Centre for Medical Education Research and Development; Schools of Medicine, Obstetrics and Gynaecology, Paediatrics, Pathology, Physiology and Pharmacology, Psychiatry, and Surgery.

Dean

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Chairman

Professor J. B. Hickie

Executive Officer

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Administrative Officer

Desmond Kevin O'Rourke

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Peter Melville, BA N.S.W.

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Charles Roger Rolleston Watson, BSc(Med) MB BS Syd.,
MD N.S.W.

Senior Lecturers

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Darrel Ananda Fernando, BVSc Ceyl., PhD Lond.

Brian Warwick Freeman, BSc Syd., PhD N.S.W.

Saw Kin Loo, MB BS Malaya, PhD Sing.

Murray Stanley Smith, BSc PhD Cant.

Istvan Joseph Törk, MD Bud.

Lecturers

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Michael Howard Rowe, BSc Loyola, MA PhD Calif.

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Shirley Gladys Maclean, BSc DipEd *Syd.*

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Alan Edmund Stark, BA *Adel.*, MA PhD *N.S.W.*, DipT *Adel.* *T.C.*

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Centre for Medical Education Research and Development

Regional Teacher Training Centre for Health Personnel

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Arie Rotem, BA *Jer.*, MA PhD *Calif.*

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Administrative Officer

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Administrative Assistant

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School of Medicine

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Professor R. B. Blacket

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††Conjoint appointment with St George Hospital.

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Professor†

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§Conjoint appointment with Royal Hospital for Women.

†In the field of physiology.

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Senior Lecturers

Graham Leonard Newstead, MB BS *Syd.*, FRCS, FRACS

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

Lecturer

Edward Chee-Pong Shi, MB BS *N.S.W.*, FRACS

Professional Officer

Margaret Anne Rose, BVSc *Syd.*

St George Hospital

Professor of Surgery and Head of Department

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

Associate Professors

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

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

Clinical Lecturer

††William Monaghan, MB BS *Syd.*, FRACGP

School of Surgery

Chairman

Professor G. F. Murnaghan

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

**Conjoint appointment with St Vincent's Hospital.

††Conjoint appointment with St George Hospital.

St Vincent's Hospital

Professor of Surgery and Head of Department

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

Associate Professor

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

Lecturers

Antony Robert Graham, MB BS *N.S.W.*, FRCS, FRACS

David Alexander Hill, MB BS *Syd.*, FRCS, FRACS, FRCSEd

Department of Anaesthetics and Resuscitation

Clinical Associate Professors

**Gordon Alfred Harrison, MB BS *Syd.*, FFARACS

*Thomas Andrew Gabriel Torda, MB BS *Syd.*, MD *N.S.W.*,
DA *Lond.*, DipABA, FFARCS, FFARACS

Senior Lecturer

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

Lecturer

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

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

Gregor Kirkham Bruce, MB BS *Adel.*, FRACS

Graduate Assistant

Donald Heaton, BA *N.S.W.*

Animal Facilities

Director

Roderick Lachlan McEwin, BVSc *Qld.*, MRCVS

Biomedical Mass Spectrometry Unit

Manager

Alan Malcolm Duffield, BSc PhD *W.Aust.*, FRACI

Professional Officer

Gary Low, BA *Canberra C.A.E.*, BSc *Syd.*, BEc *A.N.U.*,
MChem *N.S.W.*

Electron Microscope Unit

Electron Microscopist

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

Medical Illustration Unit

Officer-in-charge

Kenneth Walter Deason, AIMBI, ARPS, AIAP

**Conjoint appointment with St Vincent's Hospital.

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

§Conjoint appointment with Royal Hospital for Women.

Clinical Teaching Administration

Teaching Hospitals

The Prince Henry and Prince of Wales Hospitals

Senior Administrative Officer (Medical)

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

Administrative Assistant

Patricia Dorothy Shaw, BCom *N.S.W.*

St George Hospital

Warden of Clinical Studies

Benedetto Haneman, MB BS *Syd.*, FRACP

Administrative Assistant

Albert Burlakov, BA *Syd.*

St Vincent's Hospital

Warden of Clinical Studies

Marguerite Nash Weston, MB BS *Syd.*, FRACP

Administrative Assistant

Elizabeth Louise Tudehope, BA *Brighton Polytech.*

Royal Hospital for Women

Warden of Clinical Studies

Edward Graham Bosch, MB BS *Syd.*, MRCOG

Associated Hospitals

Canterbury Hospital

Honorary Clinical Supervisor

Peter Thomas Tornya, MB BS *Syd.*, FRACP, MRCP

Lewisham Hospital

Clinical Supervisor

Gregory John Leslie, MB BS *Syd.*, FRCS, FRACS

Sutherland Hospital

Clinical Supervisor

George Meredith Stathers, MB BS *Syd.*, FRACP

The University of New South Wales Kensington Campus 1981

Theatres

Biomedical Theatres E27
Central Lecture Block E19
Classroom Block (Western Grounds) H3
Electrical Engineering Theatre F17
Keith Burrows Theatre J14
Main Building Theatre K14
Mathews Theatres D23
Parade Theatre E3
Science Theatre F13
Sir John Clancy Auditorium C24

Buildings

Affiliated Residential Colleges
New (Anglican) L6
Shalom (Jewish) N9
Warrane (Roman Catholic) M7
Applied Science F10
Architecture H14
Arts (Morven Brown) C20
Banks F22
Barker Street Gatehouse N11
Basser College C18
Biological Sciences D26
Central Store B13
Chancellery C22
Chemistry
Dalton F12
Robert Heffron E12
Child Care Centre (Off-campus) O14
Civil Engineering H20
Commerce (John Goodsell) F20
Dalton (Chemistry) F12
Electrical Engineering G17
Geography and Surveying K17
Goldstein College D16
Golf House A27
Gymnasium B5
House at Pooh Corner N8
International House C6
John Goodsell (Commerce) F20
Kensington Colleges C17
Basser C18
Goldstein D16
Philip Baxter D14

Main Building K15
Maintenance Workshop B13
Mathews F23
Mechanical and
Industrial Engineering J17
Medicine (Administration) B27
Menzies Library E21
Metallurgy E8
Morven Brown (Arts) C20
New College (Anglican) L6
Newton J12
Parking Station H25
Philip Baxter College D14
Robert Heffron (Chemistry) E12
Sam Cracknell Pavilion H8
Shalom College (Jewish) N9
Sir Robert Webster
(Textile Technology) G14
Squash Courts B7
Swimming Pool B4
Unisearch House L5
University Regiment J2
University Union
(Roundhouse) — Stage I E6
University Union
(Blockhouse) — Stage II G6
University Union
(Squarehouse) — Stage III E4
Wallace Wurth School of Medicine C27
Warrane College (Roman Catholic) M7
Wool and Pastoral Sciences B8

General

Accountancy F20
Admissions Office C22
Anatomy C27
Applied Geology F10
Applied Science (Faculty Office) F10
Appointments Office C22
Architecture
(including Faculty Office) H14
Arts (Faculty Office) C20
Australian Graduate
School of Management G27
Biochemistry D26
Biological Sciences (Faculty Office) D26

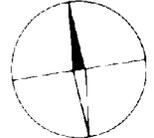
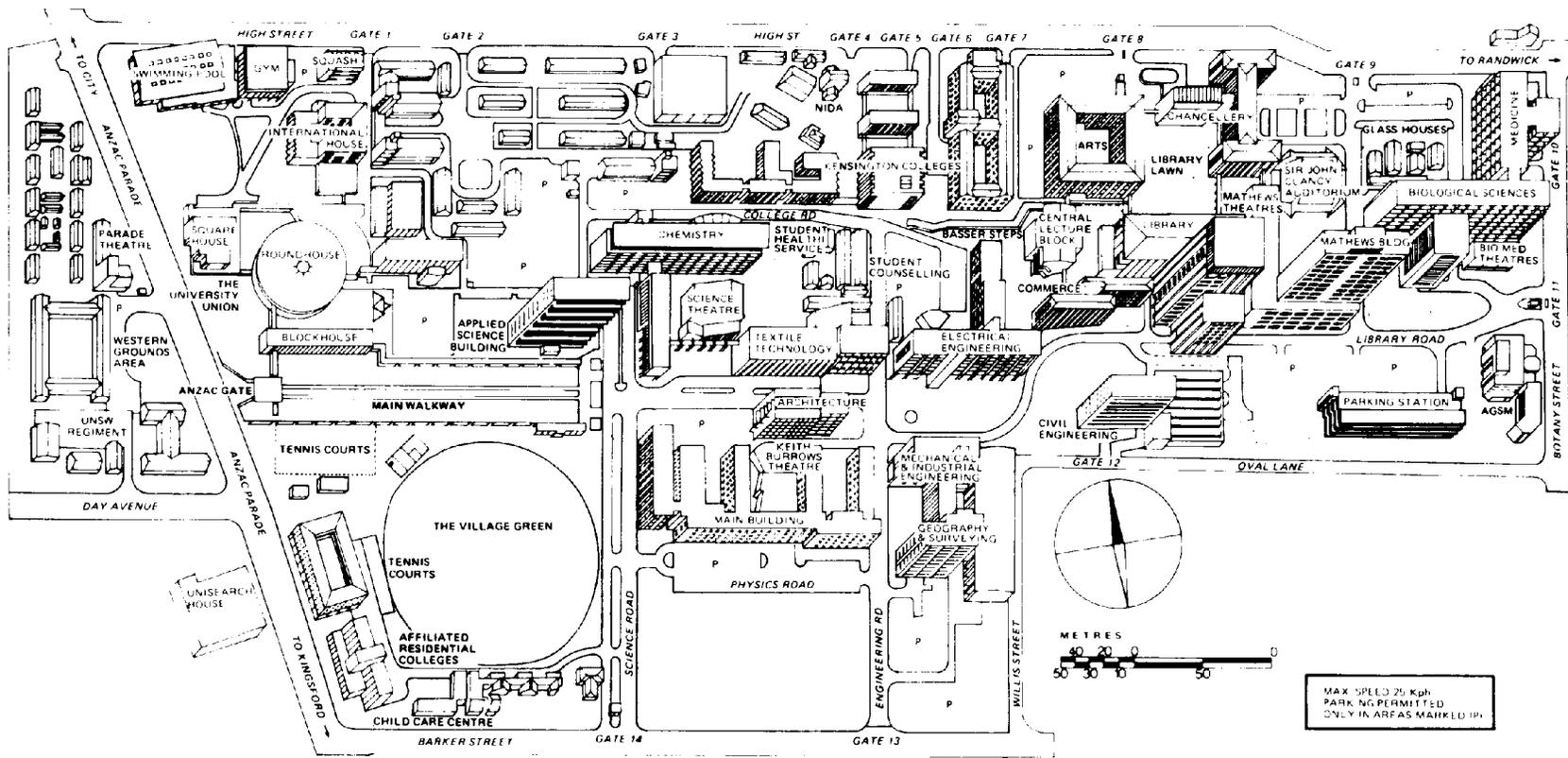
Biomedical Library F23
Biotechnology D26
Bookshop G17
Botany D26
Building H14
Cashier's Office C22
Centre for Medical Education
Research and Development C27
Chaplains E15a
Chemical Engineering and
Industrial Chemistry F10
Chemistry E12
Child Care Centre N8
Civil Engineering H20
Closed Circuit Television Centre F20
Commerce (Faculty Office) F20
Committee in Postgraduate Medical
Education B27
Community Medicine D26
Computing Services Unit E21
Drama D9
Economics F20
Education G2
Electrical Engineering and
Computer Science G17
Engineering (Faculty Office) K17
English C20
Examinations and Student Records C22
Fees Office C22
Food Technology F10
French C20
General Studies C20
Geography K17
German Studies C20
Graduate School of the Built
Environment H14
Health Administration C22
History C20
History and Philosophy of Science C20
Industrial Arts C1
Industrial Engineering J17
Institute of Languages G14
Institute of Rural Technology B8b
Kindergarten (House at Pooh Corner/
Child Care Centre) N8
Landscape Architecture H14
Law (Faculty Office) E21
Law Library E21
Librarianship F23

Library E21
Lost Property F20
Marketing F20
Mathematics F23
Mechanical Engineering J17
Medicine (Faculty Office) B27
Metallurgy E8
Microbiology D26
Mining Engineering K15
Music B11b
National Institute of Dramatic Art C15
Nuclear Engineering G17
Optometry J12
Organizational Behaviour F20
Pathology C27
Patrol and Cleaning Services F20
Philosophy C20
Physics K15
Physical Education and
Recreation Centre (PERC) B5
Physiology and Pharmacology C27
Political Science C20
Postgraduate Extension Studies (Closed
Circuit Television) F20
Postgraduate Extension Studies (Radio
Station and Administration) F23
Psychology F23
Public Affairs Unit C22
Regional Teacher Training Centre C27
Russian C20
Science and Mathematics Course
Office F23
Social Work G2
Sociology C20
Spanish and Latin American Studies C20
Student Amenities and Recreation E15c
Student Counselling and Research E15c
Student Employment C22
Student Health E15b
Students' Union E4
Surveying K17
Teachers' College Liaison Office F15b
Tertiary Education Research Centre E15d
Textile Technology G14
Town Planning K15
University Union (Blockhouse) G6
Wool and Pastoral Sciences B8a
Zoology D26

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MAX. SPEED 25 kph
 PARKING PERMITTED
 ONLY IN AREAS MARKED 'P'



CHILD CARE CENTRE

