INTRODUCTION

The Architect is a planner of environment and designer of buildings. He is concerned not only with the aesthetics but also the technology and function of buildings and their construction. Therefore his training, in addition to developing his design talent, must include a wide range of subjects relating to Structures, Building Science and the administrative aspects of Building Construction.

In his working day the practising architect comes into contact with many facets of community life.

He must have an understanding of management, finance, accountancy, public relations, legal matters and the operating conditions of his clients from case to case. He must take an interest in the fine arts, landscaping, townplanning and a host of other fringe areas of his field.

According to the principles of architectural education laid down by the Royal Australian Institute of Architects, a graduate in architecture should be essentially an educated person with the ability to think and to understand. The scope of architectural education should be as broad as possible and should include study in the humanities. Specialisation is not desirable at architectural undergraduate level.

The Faculty of Architecture of the University of Newcastle offers the student a five year full-time and a six year part-time course, leading to graduation as Bachelor of Architecture. Practical experience in an Architect's office, always an important factor of architectural training in the past, is required for a period of 12 months prior to graduation.

The Faculty of Architecture at the University of Newcastle is a recognised school for registration under the Act and admission to the Royal Australian Institute of Architects.

Comparatively small in numbers, it offers more intimate and personal conditions for study than that provided by larger schools.

F. ROMBERG
Dean
Faculty of Architecture
LOCATION

It is anticipated that the Faculty of Architecture will move to its new premises at the Shortland campus during 1970. At the beginning of the academic year it is likely that the Faculty will still operate from its premises in the Main University Building, Tighes Hill, Newcastle. While there its telephone number is 610461. After the move to Shortland it will be 680401. For connection to the Faculty of Architecture ask the Switchboard Operator for "Architecture" or the required party by name.

The Postal Address of both Campuses of the University is:
The University of Newcastle
New South Wales 2308
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First Term          2 March — 16 May
Second Term         8 June — 15 August
Third Term          7 September — 28 November

ANNUAL EXAMINATIONS 1970

7 November — 28 November

PRINCIPAL DATES FOR 1970

JANUARY

1 Thursday        Public Holiday — New Year's Day
16 Friday         Last day for lodgement of Re-Enrolment Applications — Old Students
19 Monday         Last day for lodgement of Enrolment Applications — New Students Deferred Examinations begin
26 Monday         Public Holiday — Australia Day
31 Saturday       Last Day of Deferred Examinations

FEBRUARY

11 Wednesday      New Students must return acceptance by 12.00 noon
16 Monday         New students report for interview where required, in Faculties other than the Faculty of Arts
and
17 Tuesday        Faculty of Arts Representatives available to advise students on selection of subjects
17 Tuesday        Last day for lodgement of enrolment forms — New students in Faculties other than the Faculty of Arts
18 Wednesday      New students in Faculty of Arts report for enrolment
19 Thursday       Last day for lodgement of enrolment forms — New students in the Faculty of Arts
20 Friday          Last day for payment of First Term Fees
24 Tuesday

MARCH

2 Monday          FIRST TERM commences
20 Friday         Graduation Day
27 Friday to      Easter
31 Tuesday        Recess

APRIL

25 Saturday       Public Holiday — Anzac Day

MAY

16 Saturday       FIRST TERM ends
PRINCIPAL DATES FOR 1970

(continued)

JUNE

8 Monday  SECOND TERM begins
15 Monday  Public Holiday — Queen's Birthday
19 Friday  Last day for payment of Second Term Fees
30 Friday  Last day for acceptance of applications for examinations

AUGUST

15 Saturday  SECOND TERM ends

SEPTEMBER

7 Monday  THIRD TERM begins
18 Friday  Last day for payment of Third Term Fees

OCTOBER

5 Monday  Public Holiday — Six Hour Day
30 Friday  THIRD TERM Lectures end

NOVEMBER

7 Saturday  Annual Examinations begin
28 Saturday  Annual Examinations end

1971

MARCH

1 Monday  FIRST TERM begins

FACULTY OF ARCHITECTURE

Dean
Professor F. Romberg

Sub-Dean
Mr. R. M. Deamer

TEACHING STAFF

Professor
F. Romberg, Dipl. Arch. (E.T.H. Zurich), F.R.A.I.A.

Associate Professor
E. C. Parker, A.S.T.C., F.R.A.I.A.
(Seconded to Administration)

Senior Lecturers
R. M. Deamer, A.S.T.C., A.R.A.I.A.

Lecturers
N. H. Clouten, B.Arch. (Syd.), M.Arch. (Ohio), Ph.D. (Edin.)
A.R.A.I.A., A.R.I.B.A.
E. L. Harkness, B.Arch., M.Bdg.Sc. (Syd.), A.R.A.I.A.
VISITING LECTURERS

N. O. Betts, B.Sc.(S.A.), B.Sc.(Eng.) (Capetown), M.Tech.(N.S.W.), A.M.I.C.E., A.M.I.E.Aust., A.M.(S.A.)I.C.E. 
Senior Lecturer
Department of Civil Engineering.
Director of Structural Course

N. Chester, B.Sc.(N.S.W.) 
Descriptive Geometry and Perspective

R. J. Ellis, A.M.I.Struct.E., A.M.S.E. 
Structures III

R. B. Vermeesch, LL.B.(Syd.), Lecturer in Legal Subjects 
Professional Practice II

I. Freijs, B.A.(Syd.) 
Mathematics

A. J. Guy, F.R.A.I.H.S. 
Plumbing and Drainage

M. E. Herman, B.Arch.(Syd.), M.Arch.(Melb.), Australian Architecture
Hon.D.Litt., F.R.A.I.A.

I. J. Horton, A.R.I.C.S., A.I.Q.(Aust.) 
Estimating and Specifications

FACULTY SECRETARY
Miss Leonie J. Armstrong

ADMINISTRATIVE STAFF

Vice-Chancellor and Principal

Vice-Principal and Deputy Vice-Chancellor
Professor B. Newton-John, M.A.(Cantab.)

Deputy Vice-Chancellor
Professor J. A. Allen, M.Sc.(Qld.), Ph.D.(Bristol), F.R.A.C.I.

Personal Assistant to Vice-Chancellor
Nell Emanuel, B.A.(N.S.W.)

Bursar
L. W. Harris, A.A.S.A., A.C.A.A., A.B.I.A.

Deputy Bursar
L. F. Norberry, A.A.S.A., A.C.I.S.

Accountant
G. W. Walker, A.A.S.A.

Assistant Bursar — Staff
R. J. Goodbody
ADMINISTRATIVE STAFF
(continued)

Secretary
P. D. Alexander, B.A., Dip.Ed.(Syd.)

Enrolments Section
H. Floyer, B.Ec.(Syd.)
T. R. Rodgers

Examinations Section
Glennie Jones, B.A.(N.S.W.)

Publications Section
Joan Bale, B.A.(N.S.W.)

Secretariat Section
J. D. Todd, B.Com., A.A.S.A.

University Planner
Associate Professor E. C. Parker, A.S.T.C., F.R.A.I.A.

Staff Architect
D. D. Morris, B.Arch.(N.S.W.), A.S.T.C., A.R.A.I.A.

Assistant Architect
W. J. Crook, B.Arch.(N.S.W.), A.R.A.I.A.

Staff Engineer

Senior Student Counsellor
P. M. Whyte, B.A.(Melb.), M.A.Ps.S.

Student Counsellor
A. P. Loftus, B.A.(Melb.), M.A.Ps.S.

COMPUTER CENTRE

Director

Programmer
I. R. Beaman, B.Sc.(N.S.W.)
THE LIBRARY STAFF

University Librarian
E. Flowers, M.A.(Syd.), A.L.A.A.

Head Cataloguer
Elizabeth Guilford, B.A.(N.E.), A.L.A.A.

Reader Services Librarian
Joan E. Murray, B.A.(N.E.), A.L.A.A.

Assistant Librarians
Barbara Cook, B.A.; Dip.Lib.(N.S.W.)
E. Elizabeth Cook, B.A(Syd.), A.L.A.A.

Graduate Library Staff
Rosa Bailey, B.A.(Syd.)
Colette Bromilow, B.A.(N.E.)
Jane Campbell, B.A.(N.E.), Dip.Ed.(Syd.)
Anna Geyl, B.Sc.
Helen Hart, B.A.
Jane Kandiah, B.A.
Winifred Murdoch, B.Sc.(N.E.)

The principal academic body in the University is the Senate comprising the Vice-Chancellor, Professors, a representative of each of the Faculty Boards and certain other ex officio members. Teaching and research in each Faculty are supervised by a Faculty Board consisting principally of the permanent academic staff of the Departments in the Faculty.

The University is financed by grants from the New South Wales and Commonwealth Governments and fees paid by students. The State and Commonwealth Governments contribute equally to the cost of buildings and major items of equipment whilst with respect to recurrent expenditure, the Commonwealth contributes $1 for every $1.85 received by way of State grant and student fees.

MATRICULATION

The By-laws governing matriculation and admission to courses are set out below. The University does not conduct its own matriculation examination but recognises the New South Wales Higher School Certificate Examination and the University of Sydney Matriculation Examination for this purpose.

By-law 5.1 — Matriculation

1. (1) Except as provided in By-law 5.3.3, a candidate, before being admitted to matriculation, shall:—

   (a) have passed in the New South Wales Higher School Certificate Examination or the University of Sydney Matriculation Examination in at least five recognised matriculation subjects, one of which shall be English and any three of which shall be passed at least at second level; and

   (b) have attained in that examination the aggregate of marks prescribed by the Senate from time to time and calculated in the manner determined by the Senate.

(2) The recognised matriculation subjects shall be:—

<table>
<thead>
<tr>
<th>Subject</th>
<th>Language</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>Greek</td>
</tr>
<tr>
<td>Mathematics</td>
<td>Latin</td>
</tr>
<tr>
<td>Science</td>
<td>French</td>
</tr>
<tr>
<td>Agriculture</td>
<td>German</td>
</tr>
<tr>
<td>Modern History</td>
<td>Italian</td>
</tr>
<tr>
<td>Ancient History</td>
<td>Bahasa Indonesia</td>
</tr>
<tr>
<td>Geography</td>
<td>Spanish</td>
</tr>
<tr>
<td>Economics</td>
<td>Russian</td>
</tr>
<tr>
<td>Art</td>
<td>Music</td>
</tr>
<tr>
<td>Industrial</td>
<td>Russian</td>
</tr>
</tbody>
</table>

(3) Mathematics and Science, both passed as full courses, together shall, for the purpose of sub-section (1) (a) of this section, be counted as three subjects, but otherwise, each shall count as one subject.

(4) The qualification for matriculation must be obtained at one examination.
MATRICULATION

(continued)

2. A person who has applied to undertake a course of study as a matriculated student shall upon —

(a) the approval of his admission to a Faculty and the payment of such fees as may from time to time be determined by the Council; and

(b) signing the Matriculation Register of the University become a matriculated student of the University and shall be deemed to have accepted the privileges and obligations of membership of the University.

By-law 5.3 — Admission to Courses

1. (1) A candidate for any first degree of the University shall satisfy the conditions for admission to matriculation set out in By-law 5.1.1 or shall have been admitted to matriculation under section 3 of this By-law before entering on any course for such degree. Compliance with the conditions for admission to matriculation shall not in itself entitle a person to enter upon a course.

(2) A person who has satisfied the conditions for admission to matriculation may on the payment of such fees as may be determined by the Council from time to time be provided with a statement to that effect.

2. A candidate for any degree shall before entering on the course for that degree have satisfied any special conditions prescribed under By-law 5.2.

3. The Council may, with the advice of the Senate, admit as a matriculated student, under such conditions and with such standing as it may determine, any person who has satisfied the Council that he has reached a standard of education sufficient to enable him to pursue his proposed course.

4. The Council may, with the advice of the Dean of the Faculty concerned, permit any person to enrol in a subject or subjects on payment of such fees as may be determined from time to time by the Council. Such a person, not being a matriculated student, shall not have the privileges of a matriculated student and shall not be eligible to proceed to a degree.

MATRICULATION

(continued)

PRE-REQUISITES

Although pre-requisites are not prescribed, lectures in the following faculties, courses or subjects will be given on the assumption that students will have studied for the New South Wales Higher School Certificate the subjects listed below to the level indicated:

<table>
<thead>
<tr>
<th>FACULTY</th>
<th>ASSUMPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>APPLIED SCIENCE</td>
<td>Second level Short Course Mathematics and Science including Physics and Chemistry options.</td>
</tr>
<tr>
<td>ARCHITECTURE</td>
<td>Second level Short Course Mathematics and Science.</td>
</tr>
<tr>
<td>ECONOMICS AND COMMERCE</td>
<td>There is no compulsory pre-requisite for admission but students entering the Faculty are advised to have passed mathematics at the N.S.W. Higher School Certificate examination at least at the second level short course standard or to have achieved an equivalent standard in mathematics.</td>
</tr>
<tr>
<td>ENGINEERING</td>
<td>Second level Short Course Mathematics and Science, including Physics and Chemistry options.</td>
</tr>
<tr>
<td>SCIENCE</td>
<td>Second level Short Course Mathematics and Science.</td>
</tr>
</tbody>
</table>
PROCEDURES

ENROLMENT

All documents relating to enrolment are obtainable from the Student Records Office, Room G.63, Building “A” Shortland site.

PERSONS SEEKING ADMISSION TO AN UNDERGRADUATE COURSE AT THE UNIVERSITY OF NEWCASTLE FOR THE FIRST TIME

All intending students in the 1970 academic year will be required to lodge an “Application for Admission” with the Student Records Office before 5.00 p.m. on Monday, 19th January, 1970.

Documentary evidence must accompany each application where studies have been carried out at secondary educational institutions outside New South Wales or where previous University studies have been undertaken.

Each student will be advised by letter of the outcome of his application and those accepted will be informed of the procedures to be followed for the completion of enrolment.

PERSONS RE-ENROLLING IN UNDERGRADUATE COURSES

Undergraduates re-enrolling will be required to complete an enrolment form and lodge it with the Student Records Office on or before Friday, 16th January, 1970.

Students awaiting deferred examination results must lodge their enrolment form within one week of the publication of the deferred examination results.

Approval of Re-enrolment

When a student's re-enrolment programme has been approved the authorised re-enrolment form will be posted to the student at his home address unless he indicates that it should be posted to his term address.

CANDIDATES FOR POSTGRADUATE DIPLOMA COURSES

DIPLOMA IN APPLIED PSYCHOLOGY

Intending candidates will be required to complete an application form to register as a candidate for the Postgraduate Diploma in Applied Psychology and lodge it with the Student Records Office on or before Monday, 19th January, 1970.

Each student whose undergraduate studies have been undertaken at another University will be required to submit a full transcript of his academic record.

All candidates will be required to attend the University for interview before a decision is made on his registration.

All candidates will be advised by letter of the outcome of his application and those approved for registration will be sent an enrolment form and instructions on how to complete enrolment.

DIPLOMA IN EDUCATION

Intending candidates who have completed all of the requirements for admission to the degree of Bachelor of Arts or Bachelor of Science or Bachelor of Commerce in the University of Newcastle should complete a Postgraduate Diploma enrolment form and lodge it with the Student Records Office on or before Monday, 19th January, 1970.

All other candidates will be required to complete an application to register as a candidate for a Postgraduate Diploma course and lodge it with the Student Records Office as soon as possible but in any case not later than Monday, 19th January, 1970.

Notices will be displayed on the University Notice Boards giving information as to where and when prospective candidates will be interviewed concerning their studies.

DIPLOMA IN INDUSTRIAL ENGINEERING

Intending candidates who have completed all the requirements for admission to a degree course in the University of Newcastle or admission to a degree in another University recognised for this purpose should complete a Postgraduate enrolment form and lodge it with the Student Records Office on or before Monday, 19th January, 1970.
PROCEDURES
(continued)

All other candidates will be required to complete an application to register as a candidate for a Postgraduate Diploma Course and lodge it with the Student Records Office as soon as possible but in any case not later than Monday, 19th January, 1970.

CANDIDATES FOR THE DEGREE OF MASTER,
OR DOCTOR OF PHILOSOPHY

Candidates Re-Enrolling
A letter will be sent by the University to each candidate whose re-registration is approved. A higher degree enrolment form will be enclosed with the letter and the candidate is required to complete the form and return it to the University Cashier together with the appropriate fees on or before Friday, 16th January, 1970.

Candidates Registering for the First Time
These persons should complete an “Application for Registration as a Candidate for a Higher Degree” and lodge it with the Student Records Office.

NON-ACCEPTANCE
The student whose enrolment is not accepted will be notified in writing.

LATE ENROLMENTS
(i) Students who are unable to lodge their Application Form or Enrolment Form by the prescribed date, shall make written application to The Secretary for an extension of time. This application must be received by The Secretary on or before Monday, 19th January, 1970 in the case of new students, or Friday, 16th January, 1970 in the case of students re-enrolling, otherwise the University reserves the right not to accept the student’s application or enrolment.

(ii) No enrolments will be accepted after 31st March of each academic year without the approval of The Secretary which shall be given only in exceptional circumstances.

(iii) Deferred Examinations
A student who has taken a deferred examination will be required to lodge an Enrolment Form with the Student Records Office within one week from the day of publication of the examination results.

(iv) “Show Cause” Students
Notices will be displayed throughout the University during Third Term 1969 indicating procedures to be followed by students who wish to “Show Cause” after failure at the annual examinations.
A letter will be sent to all students who “Show Cause”. Those whose re-enrolment is approved will also be sent an enrolment form and details of procedure for student to complete enrolment.

(v) Sydney University Matriculation
Students relying on this examination for matriculation should call at the Student Records Office, Shortland site, after the publication of results and obtain an “Application for Admission” and an “Enrolment Form”. After completion of these forms, the student will be directed to an academic adviser.

UNIVERSITY SKILLS ASSESSMENT
All new first year students will be requested to attend the University for a full day to be notified in the week 23rd to 27th February, 1970 for University Skills Assessment.

ENROLMENT IN CORRECT SUBJECTS
Considerable inconvenience is caused to the University and to the student if he reads a subject in which he has not enrolled. It is essential for the student to determine before submitting his Enrolment Form, the subjects he will read for the year.

WITHDRAWAL FROM COURSE REGARDED AS FAILURE
Approval to withdraw from a course is not automatic. It should be noted that a student is regarded as having failed in a course if he enrols in it and does not pass the annual examinations — i.e. not sitting for the examination is regarded as not passing the examination (unless withdrawal has been approved).

A student is required to notify The Secretary of the University in writing of his withdrawal within seven (7) days of the date of withdrawal. With the exception of students in the Faculty of Arts and the Faculty of Economics and Commerce, no student will be allowed to withdraw without penalty after the sixth Monday of second term unless, in the opinion of the Dean of the Faculty, there is good reason why he should be permitted to do so.
PROCEDURES
(continued)

In the Faculty of Arts and the Faculty of Economics and Commerce, a student who withdraws after the second Friday in second term from a subject in which he has enrolled, shall be deemed to have failed in that subject. However, such a student may apply to the Dean, who, after consultation with the Head of the Department concerned, may allow him to withdraw without penalty.

AMENDMENTS

The following matters are regarded as amendments to course programmes and are required to be documented:

(a) to completely withdraw from course
(b) to withdraw from a subject or subjects
(c) to substitute one subject for another
(d) to add a subject to existing programme
(e) to transfer from F/T to P/T within degree course
(f) to transfer from P/T to F/T within degree course
(g) to transfer from one degree course to another
(h) to transfer from a degree course in one Faculty to a degree course in another Faculty
(i) if the variation sought is not listed above, please indicate briefly nature of change sought.

NOTES

The student is liable for fees up to the date on which his application to withdraw is received by the University. When requesting exemption in subject unit(s) or substituting unit(s) within a subject, no Variation Application is required. BUT the Head of the Department concerned must be formally notified in writing.

HOW TO DOCUMENT WITHDRAWALS AND AMENDMENTS

All withdrawals and amendments should be recorded on a Variation Application Form.

It is essential that these variations be completed before 31st March, 1970. Automatic approval is not given; the student must have valid and sufficient reasons for making the change and these reasons should be stated on the Variation Application Form.

Variation Application Forms (pink) are available from the Student Records Office.

PROCEDURES
(continued)

CHANGE OF ADDRESS

Students are responsible for notifying the Student Records Office in writing of any change in their address as soon as possible. Failure to do this could lead to important correspondence or course information not reaching the student. The University cannot accept responsibility if official communications fail to reach a student who has not notified Student Records Office of a change of address.

The Transport Authorities may challenge a student whose address on his identity token is incorrect.

IDENTITY TOKENS

Each student wishing to obtain a travel concession, to borrow a book from the Library or to confirm his membership of the University of Newcastle Union is required to produce on demand the identity token which will be given to him.

The student should present his fee receipt to the Student Records Office on or after Monday, 9th March, 1970 and he will be given an identity token for 1970.

Students re-enrolling are permitted to use their 1969 identity tokens up to Friday, 6th March, 1970.

Loss of Identity Token

If a student loses his identity token, he should pay to the University Cashier, the sum of 50c., and present the receipt to the Student Records Office for the purpose of obtaining a replacement token. A delay of approximately ten days is involved in this procedure.

Return of Identity Token

Each student, who during the academic year withdraws completely from his course, will be required to hand his Identity Token to the Student Records Office before leaving the University.

Non-Degree Students and Identity Token

Each non-degree student, who does not elect to pay the General Services Fee, will be issued with an identity token appropriately embossed. It must be shown on request to prove status as a student of the University.
PROCEDURES
(continued)

TRAVEL CONCESSIONS
The various transport authorities provide fare concessions for certain classes of students.

Application forms for these concessions may be obtained at the Student Records Office, Building “A,” Shortland Site.

The Student’s Identity Token has to be produced each time a concession is required.

OMNIBUS — Concessions are available to:

(a) students under 18 years of age irrespective of whether they are employed or receive income or remuneration.

(b) students between 18 and 30 years of age who are not in employment nor in receipt of any income or remuneration.

Note: Income or remuneration includes allowances paid to Colombo Plan students, Public Service trainees, etc., but does not include allowances paid to holders of Commonwealth Scholarships, Teachers’ College Scholarships or Scholarships granted by the State Bursary Endowment Board.

TRAIN —

(a) Periodical tickets are available during term time to full-time students not in employment nor in receipt of any remuneration.

(b) Daily concession fare tickets are available to part-time students, whether employed or otherwise, for the purpose of travelling to and from class held in connection with their course of instruction.

(c) Vacation travel concessions are available to students qualifying under (a) above.

AIRCRAFT —

Concession fares for travel overseas, inter-state and intra-state are available under the conditions ruling for the various operating companies.

FEES
GENERAL INFORMATION

Fees are determined by council and are subject to alteration without notice.

COMPLETION OF ENROLMENT

Enrolment is completed by the payment of fees. Fees should be paid on or before Tuesday, 24th February, 1970. After that, a late fee will apply (see below). Fees will not be accepted after the 31st March unless The Secretary’s approval to enrol is obtained in writing. This will only be given in exceptional circumstances.

Payment of fees by mail is encouraged. Money Orders should be made payable at the Newcastle University Post Office. Fees should be paid to the Cashier on the first floor of Building “A” Shortland site. The Cashier’s office is open at the following times:

Monday to Friday ... 9.00 a.m. to 11.00 a.m.
1.00 p.m. to 4.30 p.m.

During enrolment periods the Cashier’s hours are extended and details are published in the press and on University Noticeboards.

PAYMENT OF FEES BY TERM

Students may pay Course Fees by the term, in which case they are required to pay First Term Course Fees and the whole of the General Services Fee on or before Tuesday, 24th February, 1970.

Students paying fees under this arrangement will receive accounts for Second and Third Term fees prior to the commencement of these terms. These fees must be paid within the first two weeks of each term, otherwise late fees will apply.

EXTENSION OF TIME IN WHICH TO PAY FEES

Students who are unable to pay fees by the prescribed date may apply in writing to the Vice-Principal for an extension of time to pay fees. Special forms are available for this purpose. Applications must state fully the reasons why fees cannot be paid and must be lodged before the date on which the late fee becomes payable.
SCHOLARSHIP HOLDERS AND SPONSORED STUDENTS

Students are required to submit authorised enrolment forms together with vouchers or other documentary evidence that fees are covered by a scholarship or will be paid by a sponsor, where this type of financial assistance is received. Where such documentary evidence is not available, students are expected to make payment by the due date to avoid late fees and apply for a refund of fees when the authority required is available.

DATES FOR PAYMENT OF FEES IN 1970

<table>
<thead>
<tr>
<th>Terms</th>
<th>Late Fee</th>
<th>Fee Payable Before or on</th>
<th>Fee Payable on and after</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIRST TERM</td>
<td>$6.00</td>
<td>Tuesday, 24th Feb.</td>
<td>Wednesday, 25th Feb.</td>
</tr>
<tr>
<td></td>
<td>$10.00</td>
<td>Wednesday, 25th Feb.</td>
<td>1st April.</td>
</tr>
<tr>
<td>SECOND TERM</td>
<td></td>
<td>Friday, 19th June.</td>
<td>Monday, 22nd June.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Monday, 6th July.</td>
</tr>
<tr>
<td>THIRD TERM</td>
<td></td>
<td>Friday, 18th Sept.</td>
<td>Monday, 21st Sept.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Monday, 5th October.</td>
</tr>
</tbody>
</table>

FAILURE TO PAY FEES

Any student who is indebted to the University and who fails to make a satisfactory settlement of his indebtedness upon receipt of due notice ceases to be entitled to membership and privileges of the University. Such a student is not permitted to register for a further term, to attend classes or examinations, or to be granted any official credentials. The student is not eligible to attend the annual examinations in any subject where any portion of his Course Fees for the year is outstanding by the end of the third week of third term. In very special cases the Vice-Principal may grant exemption from this disqualification upon receipt of a written statement setting out all relevant facts.

FEES ADJUSTMENTS

Should an application to withdraw from a course or a subject be approved, an adjustment of course fees may be made, based on the date the application is received by the University; fees accrue up to that date.

Where notification of withdrawal from a course is received by the Secretary before the first day of First Term, a refund will be made of all Course Fees. Where a student for acceptable reasons notifies the termination of a course before the end of the fifth week of term, one-half of the Course Fees for the term may be refunded. If the student notifies termination of a course after the end of the fifth week of term, no refund will be made.

THE UNIVERSITY RESERVES THE RIGHT TO DEFER, UNTIL AFTER THE END OF THE SIXTH WEEK OF TERM, THE PROCESSING OF APPLICATIONS FOR FEE REFUNDS RECEIVED IN THE EARLY PART OF FIRST TERM.

The University Administration does not refund any portion of the General Services Fee. However, students withdrawing from courses may enquire of the Union, Sports' Union and Students' Association regarding refund possibilities.

DESIGNATION OF STUDENTS

FULL-TIME STUDENTS

A Full-Time Student is a student who enrolls in more than half the subjects of a normal first year course and such a student remains classified as a full-time student until the written approval of the Dean of the Faculty is given that he be re-classified as a part-time student. This re-classification would be exceptional.

PART-TIME STUDENTS

A Part-Time Student is one who enrolls in half or less than half the subjects of a normal first-year course: in subsequent years his enrolment as a part-time student requires the approval of the Dean of his Faculty; or a student enrolled in a part-time course.
NON-DEGREE STUDENTS

A Non-Degree Student is a student who is permitted to read one or more subjects of a first degree course. Such a person is not eligible to proceed to a degree and cannot enjoy the privileges of a matriculated student. A student enrolled in the Professional Accounting Studies course in the Faculty of Economics and Commerce is classified as a Non-Degree student reading one subject.

GENERAL SERVICES FEE

(a) Students Proceeding to a Degree or Diploma
All registered students must pay a General Services fee of $42.00 per annum which includes a Library Fee. In addition, students joining the University of Newcastle Union for the first time, are required to pay an entrance fee of $12.00. This fee must be paid by the prescribed time in First Term.

(b) Non-Degree Student
Payment of the General Services Fee by a non-degree student is optional. A student cannot elect to pay portion of this fee.

UNDERGRADUATE COURSE FEES

Full-Time Courses
Faculties of Arts, Economics & Commerce $276 per annum
All other Faculties $330 per annum

Part-Time Courses
All Faculties $165 per annum
Non-Degree Subject $90 per annum

OTHER FEES

1. Where an application to sit for examinations is accepted after the closing date $4
2. Deferred examinations, per subject $4
3. Examination under special supervision, per paper $8
4. Review of Examination result, per subject $6
5. Statement of Matriculation Status $6
6. Laboratory Kit (Chemistry or Metallurgy) per kit $8

POSTGRADUATE DIPLOMA COURSE FEES

Diploma in Education $276 p.a.
Diploma in Applied Psychology $165 p.a.
Diploma in Industrial Engineering $165 p.a.

HIGHER DEGREE FEES

Course and Supervision Fee
This fee for Higher Degree candidates is assessed on a term basis; the period of registration being from the first day of the term to the Friday immediately preceding the first day of the following term. Candidates proceeding to a Higher Degree must enrol or re-enrol at the beginning of each academic year at the normal enrolment time. The usual late fees apply in respect of late enrolments.

Where a candidate withdraws during a term, no portion of the term fee will be refunded.

General Services Fee
Higher Degree candidates are required to pay the General Services Fee (see page 34). Where a Higher Degree candidate's enrolment is effective from first or second term, the General Services Fee covers a period of registration from the first day of the term to the Friday immediately preceding the first day of first term in the following academic year. Where a Higher Degree candidate enrols on or after the first day of third term, the General Services Fee paid will cover his liability in respect of this fee to December 31st of the subsequent year.

Re-submission of Thesis
A candidate required to re-submit a Thesis, will not be required to pay further fees, unless laboratory work is involved, in which case the appropriate course and supervision fee will be payable on a term basis.

FEES FOR MASTER'S DEGREE

Registration Fee $4
Course & Supervision Fee (Full-time) $114 p.a.
Course & Supervision Fee (Part-time) $57 p.a.
Final Examination and Graduation Fee $30

FEES FOR DOCTOR OF PHILOSOPHY DEGREE

Qualifying Examination Fee (if applicable*) $12
Registration Fee $4
Course & Supervision Fee (Full time) $114 p.a.
Final Examination and Graduation Fee $42

* This fee is payable where an examination is prescribed for the assessment of a student prior to his registration as a Higher Degree candidate.
GENERAL REQUIREMENTS

The University tries to function with a minimum of formal regulations; it has, for instance, drawn up no code of conduct for students, beyond forbidding gambling in the precincts and smoking in lectures, examinations and the Library.

It is obvious, however, that there must be standard practice throughout the University in such diverse matters as examination procedures and car parking and an acceptance of certain requirements which are described in the following pages.

ACADEMIC REQUIREMENTS

The student is responsible for informing himself as to, and for complying with, University requirements, especially the requirements relating to admission and to the award of the degree for which he is reading.

NOTICES

Official University notices are displayed on the notice boards and students are expected to be acquainted with the contents of those announcements which concern them.

NOTICE BOARDS

EXAMINATIONS

A notice board has been placed on the wall opposite the entrance to the Main Lecture Theatre (B.01) Shortland Site for the specific purpose of displaying examination timetables and notices concerning all matters pertaining to examinations. Students are specifically requested to be acquainted with the notices periodically displayed thereon.

STUDENT MATTERS GENERALLY

A notice board in the Student Records area is the display point for notices concerning enrolment matters, scholarships, University rules and travel concessions, etc.

OWNERSHIP OF STUDENTS’ WORK

Unless other arrangements have been agreed upon 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.

STUDENT IDENTIFICATION

Students are expected to carry their Identity Token as evidence that they are entitled to the rights and privileges afforded by the University.

Each student wishing to obtain a travel concession, to borrow a book from the Library or to confirm his membership of the University of Newcastle Union is required to produce on demand his identity token.

The student should present his fee receipt to the Student Records Office on or after Monday, 9th March, 1970 and he will be given an identity token for 1970.

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 Head of the appropriate Department. If term examinations have been missed this fact should be noted in the application.

In the case of illness or of absence for some other unavoidable cause a student may be excused by the Head of the appropriate Department for non-attendance at classes.

Applications for exemption from re-attendance at classes, either for lectures or practical work, may only be approved on the recommendation of the Head of the appropriate Department. The granting of an exemption from attendance does not carry with it exemption from payment of fees. Where a student has attended less than 80 per cent. of the possible classes, he may be refused permission to sit for the annual examination in that subject.
GENERAL REQUIREMENTS

(continued)

Loss of Identity Token

If a student loses his identity token, he should pay to the University Cashier, the sum of 50c., and present the receipt to the Student Records Office for the purpose of obtaining a replacement token. A delay of approximately ten days is involved in this procedure.

Return of Identity Token

Each student, who during the academic year withdraws completely from his course, will be required to hand his Identity Token to the Student Records Office before leaving the University.

CHANGE OF ADDRESS

Students are responsible for notifying Student Records Office in writing of any change in their address as soon as possible. Failure to do this could lead to important correspondence or course information not reaching the student. The University cannot accept responsibility if official communications fail to reach a student who has not notified Student Records Office of a change of address. The Transport Authorities may challenge a student whose address on his identity token is incorrect.

GENERAL CONDUCT

Acceptance as a member of the University implies an undertaking on the part of the student to observe the by-laws and other requirements of the University.

Students are expected to conduct themselves at all times in a seemly fashion. Smoking is not permitted during lectures, in examination rooms or in the University Library. Gambling is forbidden.

Members of the academic staff of the University, senior administrative officers, and other persons authorised for the purpose have authority, and it is their duty, to check and report on disorderly or improper conduct occurring in the University.

PARKING OF CARS

On the Tighe's Hill Site the authorities of the Newcastle Technical College are responsible for traffic control and parking, and their regulations, traffic signs, etc., must be obeyed.

At Shortland, all vehicles must be parked in a car park.

EXAMINATIONS

Examinations and other exercises may be held in any subject and at any time. In the assessment of a student's progress in a University course, consideration will be given to laboratory work and class exercises and to any term or other tests conducted throughout the year. The results of such examinations and class work may be incorporated with those of the annual examinations.

ANNUAL EXAMINATIONS

A student desiring to sit for an annual examination must lodge an application with the Secretary on the appropriate form by the prescribed date, 19th June, 1970.

A student who, because of religious convictions, would prefer not to sit for an examination on a particular day or particular day of the week should indicate this in writing when lodging his application to sit for the examination. While the University cannot guarantee to meet such requests it will be willing to co-operate where possible.

The cashier is authorised to receive application forms during the three weeks immediately following the prescribed closing date if they are accompanied by a late fee of $4.00. Applications submitted more than three weeks after the closing date will not be accepted except with the approval of the Secretary. Where an application is not accepted, the student concerned is not eligible to sit for the examination.

No student is eligible to attend the annual examination in any subject if any portion of fees or other charges due by him is outstanding by the end of the third week of third term.

The annual examinations take place in November-December. Timetables showing the time and place at which individual examinations will be held will be posted on the examinations notice board near the Main Lecture Theatre. Misreading of the timetable will not under any circumstances be an acceptable excuse for failure to attend an examination.
Examinations are conducted in accordance with the following rules and procedure:

(a) Candidates are required to obey any instruction given by a Supervisor for the proper conduct of the examination.
(b) Candidates are expected to be in their places in the examination room not less than ten minutes before the time for commencement of the examination.
(c) No bag, writing paper, blotting paper, manuscript or book, other than a specified aid, is to be brought into the examination room.
(d) No candidate shall be admitted to an examination after thirty minutes from the time for the commencement of the Examination.
(e) No candidate shall be permitted to leave the examination room before the expiry of thirty minutes from the commencement of the Examination.
(f) No candidate shall be re-admitted to the examination room after he has left it unless during the full period of his absence he has been under approved supervision.
(g) A candidate shall not by any improper means obtain or endeavour to obtain assistance in his work, give or endeavour to give assistance to any other candidate, or commit any breach of good order.
(h) Smoking is not permitted during the course of an examination.
(i) A candidate who commits any infringement of the rules governing examinations is liable to disqualification at the particular examination, and if detected at the time, to immediate expulsion from the examination room, and is liable to such further penalty as may be determined.

Further Examinations

After completion of the written annual examination papers, a student may be called upon by an examiner to complete further written, practical or oral tests as part of the annual examination. It is therefore important that the Examinations Section be advised of any change in address from that given on the Application for Admission to Examinations.

Examination Results

The official examination results will be posted on the notice board at the top of the main staircase. It is planned to advise each student by mail of his examination results. A set of examination results will be offered to the newspapers for publication. No results will be given by telephone.

Examination results may be reviewed for a fee of $6.00 per subject, which is refundable in the event of an error being discovered. Applications for review must be submitted on the appropriate form together with the prescribed fee by the date notified in the publication of results.

Special Examinations

Special examinations may be granted according to the conditions contained in By-law 5.9.3 which states:

5. When a candidate is prevented by illness or by any other serious cause from presenting himself for the annual examination the appropriate Faculty Board may order a special examination for that candidate in the subject or subjects in which he was unable to present himself. The result of a special examination may be graded.

6. When a candidate's studies during the academic year have been gravely hampered by illness or other serious cause, the appropriate Faculty Board upon application being made to the Secretary to the University before the commencing date of the examination supported by medical or other proper evidence may direct the examiners to take the circumstances into account in determining whether or not a special examination should be provided for the candidate in any subject in which he does not pass at the annual examination.
7. When a candidate at the annual examination is to a substantial degree affected by illness during the course of an examination in any subject the appropriate Faculty Board, upon application being made to the Secretary to the University within three days after such examination or within such further period as the Vice-Chancellor may consider reasonable in the circumstances supported by medical or other proper evidence, may direct the examiners in that subject to take the circumstances into account if the candidate does not pass therein in determining whether or not a special examination or test should be provided for him: provided that no such application shall be considered unless the candidate either during or immediately after such examination reports to the supervisor in charge the circumstances relied on in the application.

DEFERRED EXAMINATIONS

Deferred examinations may be granted in the Faculties of Applied Science, Architecture and Engineering to resolve a doubt. The examinations will be held in January-February and results will be published in the same manner as for the Annual Examinations.

ACADEMIC PROGRESS REQUIREMENTS

GENERAL

To assist those students who may be unsuited to university study or whose circumstances jeopardise success at study and to deal with those students whose lack of success has a detrimental effect on the work of the course, the University has enacted certain By-laws relating to continuation in a course. The relevant By-laws are set out below.

BY-LAWS

By-law 5.4.1 — Unsatisfactory Progress

1. The Head of a Department in any Faculty may determine that a student taking a subject or course offered by the Department shall be excluded from any examination for which the Department is responsible for any or all of the following reasons:—

   (a) unsatisfactory attendance at lectures;
   (b) failure to complete laboratory work;
   (c) failure to complete written work or other assignments; or
   (d) failure to complete field work.

2. The Faculty Board may review the academic progress of any student enrolled in the Faculty concerned who fails in, or is absent from, or is excluded under section 1 of this By-law from any examination and may determine:—

   (a) that the student be excluded from further study in a subject;
   (b) that the student may enrol in that Faculty only in such subject or subjects as the Faculty Board shall specify; or
   (c) that the case be referred to the Admissions Committee if, in the opinion of the Faculty Board, the student should be excluded from a degree course, from the Faculty or from the University.
3. The Admissions Committee, in considering a referral under subsection (c) of section 2 and after giving the student an opportunity to be heard, may determine:—

(a) that the student be excluded from a degree course or from the Faculty;

(b) that the student shall be permitted to continue his course, subject to such conditions as the Admissions Committee may determine; or

(c) that the case be referred to the Vice-Chancellor with the recommendation that the student be excluded from the University.

4. The Vice-Chancellor may, on the recommendation of the Admissions Committee exclude from the University any Student whose academic record in the opinion of the Vice-Chancellor and the Admissions Committee demonstrates the student's lack of fitness to pursue University studies.

By-law 5.4.2 — Show Cause

1. A student shall show cause why he should be allowed to repeat a subject in which he has failed more than once. Failure in a deferred examination as well as the annual examination counts for the purposes of this By-law as one examination.

2. (1) A full-time student shall show cause why he should be allowed to continue a course if all subjects of the first year of his course are not completed by the end of his second year of attendance.

   (2) A part-time student shall show cause why he should be allowed to continue a course if all subjects of the first two stages of his course are not completed by the end of his fourth year of attendance.

3. (1) A student who has a record of failure at another University shall show cause why he should be admitted to the University.

(2) A student admitted to a course at the University following a record of failure at another University shall show cause, notwithstanding any other provision in this By-law, why he should be allowed to continue in that course if he is unsuccessful in the annual examinations in his first year of attendance at the University.

4. A student required to show cause shall have his application considered by the Admissions Committee which shall determine whether the cause shown is adequate to justify the student's being permitted to continue his course or to re-enrol as the case may be.

By-law 5.4.3 — Re-Enrolment

1. Any student who has been excluded from a Faculty shall not be allowed to enrol in another Faculty without the permission of the Faculty Board concerned.

2. Any student excluded from a degree course or from a Faculty or from the University may apply after two academic years to the Admissions Committee for re-admission to any such Faculty or to the University. If the Admissions Committee is satisfied that the condition or circumstances of any such student have so changed that there is reasonable probability that he will make satisfactory progress in his studies it may authorise the re-admission of that student under such condition as it may determine.

By-law 5.4.4 — Appeal Against Exclusion

1. A student who is refused permission to enrol under the provisions of section 1 of By-law 5.4.3 may appeal to the Senate.

2. A student who has been excluded from any degree course or from a Faculty or from the University may appeal to the Council.

PROCEDURES

The onus is on a student required to “show cause” to initiate action should he wish to re-enrol. He must interview the Dean of his Faculty in accordance with the time-table announced towards the end of the academic year.
THE LIBRARY

The Library, totalling approximately 150,000 volumes and made up of monographs, pamphlets, serials and microform sets, exists to acquire, preserve and make available for use all research materials needed by the staff and students of the University. By 1971, all departments now at Tighe's Hill will have been transferred to Shortland and all library service for the University will be given from the Shortland library. Library service for the Faculties of Architecture and Engineering, including Chemical Engineering, will, until these departments are transferred, be given through the joint Technical College-University library at Tighe's Hill.

In both libraries, there is an almost complete freedom of access to the collections, and students are encouraged and aided to learn how to use, as soon as possible, the library and its contents. On his first visit to the Library the student is provided with a brochure outlining the library's resources, its services, such as the copying service, its special facilities such as the microprint reading room; and procedure for borrowing.

The Shortland Library, fittingly, occupies a central position on the site, next to the Union. Hours of opening are:

Monday — Friday 8.30 a.m. to 10.00 p.m.
(long vacation excepted)
Saturday 9.00 a.m. to 5.00 p.m.
(all vacations excepted)
Sunday 1.00 p.m. to 5.00 p.m.
(all vacations excepted)

Long vacation:
Monday, Wednesday, Friday 9.00 a.m. to 5.00 p.m.
Tuesday and Thursday 9.00 a.m. to 7.00 p.m.
The Library is closed on public holidays.

The Tighe's Hill library is located on the first floor of the Clegg Building. Hours of opening are:

Monday — Friday 9.00 a.m. to 9.15 p.m.
(all vacations excepted)

The Library is closed on public holidays.

UNIVERSITY SERVICES

STUDENT COUNSELLING UNIT

The Student Counsellors assist students — past, present and future — in a wide variety of matters. Most students, whatever their academic level, at one time or another need help in dealing with difficulties which arise during the course of their University lives.

A student should not feel that he or she must have a major problem before consulting a Counsellor. Many worries take only a few minutes to clear up, and frequently the Counsellor's function is simply to direct a bewildered student to the right source of information.

Students who are worried about inadequate study methods, personal difficulties, choice of courses or career planning are invited to arrange an appointment with a Student Counsellor.

The S.C.U. is divided into three major divisions, although there is inevitably, overlap between the sections, These are Personal Counselling, Study Skills Training and Research. Apart from individual counselling, courses in an increasing number of areas are run for groups of students.

In 1968 an Appointments Service was established within the S.C.U., and students are invited to register. Students in their final year may expect to receive all available advance information about career opportunities, and all students may register for part-time, casual or vacation employment. Students in the first group will be interviewed and may seek Vocational Guidance if they so desire.

Student Counselling is by now a thoroughly established and widely accepted part of University life throughout Australia, and at this University, approximately one-third of all students utilise it.

STUDY AT THE UNIVERSITY LEVEL

The S.C.U. produced a brief but comprehensive book on this subject in 1967, and this can be obtained at the Bookshop for 40 cents. Although it was produced specifically for the students of Newcastle University, and reflects the attitudes of several Heads of Departments here, it is already widely used in other Universities and tertiary institutions throughout Australia. A Revised Edition was published in November, 1967 as the first printing had sold out.
UNIVERSITY SERVICES
(continued)

S.C.U. STAFF

Senior Student Counsellor — P. M. Whyte, B.A.(Melb.), M.A.Ps.S.
Student Counsellor — A. P. T. Loftus, B.A.(Melb.), M.A.Ps.S.

A Female Counsellor is to be appointed.

Secretary — Mrs. L. J. Hoesli
Stenographer — Mrs. V. E. Lloyd

LOCATION

The Secretary to the S.C.U. and two Counsellors are located in the Administration Building at Shortland (Room G75) (entrance at N.W. end of building). Study rooms are available here for students. The Unit also has a room in the Union Building Basement. Arrangements may be made for students to consult a Counsellor on the Tighe’s Hill campus.

It is generally most satisfactory for students to make appointments through the Secretary. As Counsellors are available for evening appointments, part-time students are in no way excluded from the available service.

UNIVERSITY SERVICES
(Continued)

CHAPLAINCY SERVICE

A Chaplaincy Service within the University of Newcastle for the benefits of students and members of staff is provided by the Christian Churches of Newcastle.

The service offers personal counselling and guidance, and also assistance in biblical and doctrinal studies. Opportunities for liturgical worship are also provided.

The Chaplains’ office is situated on the Ground Floor of the Main Administration Building at Shortland.

The Chaplains are in regular attendance at the University but they may also be contacted at their private addresses.

NAMES AND ADDRESSES OF CHAPLAINS

Anglican — The Reverend A. J. A. Scott, B.A.(Melb.), Th.L.,
83 Queen’s Road,
NEW LAMBTON. Tel. 57 1875.

Baptist — The Reverend R. Willicome,
6 Dangar Street,
WALLSEND. Tel. 55 9277.

Methodist — The Reverend K. G. Bond, B.D.(Lond.), L.Th.,
40 Tighe Street,
WARATAH. Tel. 68 2358.

Presbyterian — The Reverend H. Barratt, B.A.(Syd.),
St. Phillip’s Manse,
NEWCASTLE. Tel. 2 2379.

Roman Catholic — The Reverend Father T. Warren,
B.A.(Qld.),
Redemptorist Monastery,
MAYFIELD. Tel. 68 2347.
UNIVERSITY SERVICES
(continued)

STUDENT LOAN FUND

The Council of the University has recently established a Student Loan Fund which is managed by a committee under the chairmanship of the Vice-Principal.

Loans may be made to an undergraduate where the committee is of the opinion that his academic performance is of sufficient merit and his financial circumstances warrant a loan.

The total outstanding accommodation to any one undergraduate shall not normally exceed $200 at any one time and an undergraduate granted a loan is required to enter into an agreement.

Repayment must commence not later than twelve months after graduation or when the borrower fails or withdraws from his course or on demand as required by the University. No interest is charged while the borrower is an undergraduate but interest at a rate of not less than 5% per annum on the balance owing from time to time is charged from the date of graduation or the date on which an undergraduate fails or withdraws from a course.

In special circumstances the Committee may grant a loan to a student other than an undergraduate.

Any student wishing to seek assistance from the Fund may apply in person to the Vice-Principal or through the President of the Students’ Representative Council or his nominee.

OVERSEAS STUDENTS

Overseas students who wish to obtain any information or help are invited to see the Overseas Students’ Adviser in the Student Counselling Unit.

UNIVERSITY ORGANISATIONS
THE UNIVERSITY OF NEWCASTLE
STUDENTS’ ASSOCIATION

Included in the General Services Fee of the University is an amount payable to the Students’ Association, a body to which all students of the University belong. The Students’ Association is governed by the Students’ Representative Council (SRC), which is elected each year in September to take office in the following April. The functions of the Students’ Association are many and varied.

The SRC acts as the main liaison body between the student body and the University authorities. Complaints and requests from students may be handled by the Education and Welfare Committee, or by the SRC as a whole when brought to its attention by one of the Faculty or General Representatives. The Education and Welfare Committees are the part of the SRC most students come in contact with. The education side attempts to study the local and national needs of education and to bring these to the attention of the public and the government.

One of the major ways in which the income of the SRC is spent is in grants to affiliated clubs and societies (which include cultural, social, political and religious societies). To this end the Vice-President is the Clubs’ and Societies’ Liaison Officer, and, with his assistant and the Clubs’ and Societies’ Committee, gives such help to these societies as they may seek from time to time.

The SRC is also responsible for publishing the student newspaper “Opus”, the literary magazine “Nimrod” and the Orientation Handbook, which may be seen around the campus at the time of their publication. A weekly “Bulletin” is published to publicise activities of the SRC, the Union and affiliated clubs and societies.

Each year the SRC organises, with assistance from the University and the Union, Orientation Week and other activities designed to help new students adjust to university life. Early in July Autonomy Day is also organised by the SRC — of this nothing need be said than that it is the equivalent of Commem, Foundation Day, or similar activities at other universities.
UNIVERSITY ORGANISATIONS
THE UNIVERSITY OF NEWCASTLE
STUDENTS' ASSOCIATION
(continued)

As the Students' Association is a constituent member of the National Union of Australian University Students, students of the University may take part in the activities of this body. Some of these activities which affect students more directly are the several intervarsity cultural festivals, travel to New Zealand and many countries in Asia, volunteer aid projects in Papua/New Guinea, raising money for aboriginal scholarships and World University Service, national campaigns on education, and the national student newspaper "U".

President — Brailey Sims
Secretary — Kathryn Price

NEWCASTLE UNIVERSITY UNION

The objects of the Union are to provide a common meeting ground and social centre for men and women who are members of the University; to promote the education and the intellectual culture of its members by debates and otherwise and, generally, to secure the co-operation of University men and women in furthering the interests of the University.

The Union maintains a fine building at Shortland which provides recreational and common room facilities for its members; a complete range of catering services; rooms for meetings and functions of all kinds including a film viewing room (16mm); billiards, table tennis, chess and music rooms; a reading room; a stationery shop catering for all members' academic needs and the University Co-operative Bookshop. The offices of the Students' Representative Council, the Sports Union and the Students' Counsellor are contained in the basement of the building. A common room is provided in the Main University building at Tighe's Hill and members are eligible to use the catering facilities of the Technical College Union.

Membership of the Union, obligatory for all registered students, is open to graduates, members of the University Council and the permanent staff of the University.

The conduct of the affairs of the Union is vested in the Board of Management composed of two members appointed by the University Council, two members elected by the graduates, six members elected by the Union members, two members appointed by the Students' Representative Council, two members elected by the Senior Common Room, and the Secretary/Manager. Elections for the Board of Management are held in April.

President — Mr. M. Nelson
Secretary/Manager — Mr. J. Grahame-Smith
THE UNIVERSITY OF NEWCASTLE
SPORTS UNION

The Sports Union is a student organisation responsible for promotion and control of sporting activities within the University. All students are automatically members of the Sports Union. There are twenty-three affiliated clubs: Athletics, Badminton, Men's Basketball, Women's Basketball, Cricket, Fencing, Golf, Men's and Women's Hockey, Judo, Mountaineering, Men's and Women's Rowing, Rugby, Sailing, Ski-ing, Soccer, Softball, Squash, Surfing, Swimming, Table Tennis, Tennis, Weightlifting, most of which participate in local competitions and send teams to Inter-Varsity contests each year. Inter-Faculty Contests conducted throughout the year aim to stimulate friendly rivalry among the various Faculties, and to encourage a higher student participation in sport. Each club has a student representative on the Sports Union Committee, which meets monthly. The Executive consists of the President, Vice-President, Secretary, Treasurer, a representative of the University Council, and the Amenities Officer. The Sports Union's annual income is derived from portion of the General Services Fee and is used to meet the cost of equipment, affiliation fees, Inter-Varsity trips, etc.

For outstanding individual performance in sport, the University awards "Blues" each year at the Annual "Blues" Dinner.

The number of constituent clubs is increasing continually, and students interested in participating in any sport, are urged to contact the Amenities Officer, Mr. Bradford, or one of the Sports Union Executive for further information. The Amenities office is located with the Post Office in the temporary building adjacent to the University Union and the Sports Union office on the lower floor of the University Union, next to the SRC office.

President — Mr. G. McIntyre
Secretary — Mr. R. Hannah
Amenities Officer — Mr. H. Bradford

THE UNIVERSITY OF NEWCASTLE COMPANY

The University of Newcastle Company is the Citizen Military Force's Unit affiliated with the University. The Company was formed in 1957 as a Sub-Unit of the University of Technology Regiment which is now called The University of N.S.W. Regiment. The current strength of the Company is 150 and is rising.

The function of the Company is to train graduates and undergraduates for commissioned rank in the C.M.F. and the training designed with this in view, is done on an Infantry basis and consists of:
(a) An Annual Camp for three weeks in February
(b) An optional camp of ten days in May
(c) Two weekend bivouacs a year
(d) Parades on Friday nights of two and a half hours duration
(e) Four weekend day parades.

The training programme is designed to fit in with vacations, examinations, and deferred examinations and there is practically no commitment in the third term. Leave is available from activities where a good reason exists.

Enlistment in the Company is voluntary and is open to all graduates or undergraduates who are 17 years of age or over.

Members of the University of Newcastle Company are eligible for the following benefits:
An opportunity to reach commissioned rank in 2-3 years.
Tax-free pay for all training undertaken.
Refund of travelling expenses.
An alternative to 2 years full-time National Service.
Opportunities for attendance at Regular Army Courses and short time attachments to Army units in Malaysia, New Guinea or Vietnam.
Free meals and accommodation at camps and bivouacs.
Free Uniforms.

Enquiries regarding conditions of service, and enlistment procedure should be made at the Training Depot which is in King Street, Newcastle West (opposite Birdwood Park). Phone No. 61 2121.

OFFICERS AND STAFF

Officer Commanding — Maj. J. G. Raymond
Full-time Staff — WO2 M. Durie
S/Sgt. P. Toohey
CONVOCATION

Convocation consists of persons of or above the age of twenty-one years who are: members or former members of the University Council; graduates of the University or graduates of the University of New England or the University of New South Wales who spent at least three years as students at the Newcastle University College; full-time members of the academic staff and graduate permanent members of the administrative, library and technical staff; and graduates of other Universities, either resident in the Hunter Valley or North Coast areas or approved by Council, who have been admitted as members of Convocation by Council after payment of the fee prescribed by Council.

At least two meetings are held each year, an Annual Meeting during First Term and an ordinary meeting in Third Term.

Convocation elects a Chairman who is called the Warden of Convocation and whose term of office is two years, and a Standing Committee of Convocation consisting of the Warden and twelve other members.

This body, which has the right to discuss and to pronounce an opinion on any matter relating to the University and to communicate directly with either the Council or the Senate, provides a means whereby graduates can remain active in university affairs. Five of the members of the Council are elected by the members of Convocation.

OFFICE BEARERS
Warden — Mr. J. P. Talley
Secretary — Miss E. M. Kane

FACULTY OF ARCHITECTURE

THE ARCHITECTURAL SOCIETY

Membership is open to both students and staff of the Faculty of Architecture as well as the members of the Architectural profession. Students of other faculties are admitted as associate members.

The Society aims at bringing together students of the various levels within the Faculty and holds regular functions, including guest lectures by prominent members of the profession.

Announcements of the Architectural Society are found on the Faculty's Notice Board.

ACADEMIC DRESS

The Academic Dress worn by graduates of the Faculty of Architecture of the University of Newcastle are as follows:

GOWNS

Degree of Bachelor — A gown of black cloth as worn by Bachelors of the University of Cambridge.
Degree of Master — A gown of black cloth as worn by Masters of Arts of the University of Cambridge.
Degree of Doctor of Philosophy — A gown of garnet cloth faced with silver grey to a width of 4 inches.

CAPS AND BONNETS

Degree of Bachelor and Master — For men, a black cloth trencher cap, for women a black Canterbury cap.
Degree of Doctor of Philosophy — A black velvet bonnet with a silver cord.

HOODS

Degree of Bachelor of Architecture — A full hood of black silk lined to a depth of 6 inches with garnet.
Degree of Master of Architecture — A full hood of black silk lined with garnet.
Degree of Doctor of Philosophy — A hood of garnet lined with silver grey.
SCHOLARSHIPS AND AWARDS

COMMONWEALTH UNDERGRADUATE SCHOLARSHIPS

The Commonwealth Government offers full or part-time scholarships to eligible architecture students covering University Fees and, in certain cases, living allowances.

Conditions may be obtained from the University Administration.

Closing date for applications is 31st October of the preceding year.

COMMONWEALTH POSTGRADUATE AWARDS

The Commonwealth Government is providing each year a number of awards for postgraduate study and research tenable in the Australian Universities. In the University of Newcastle the awards provide a substantial stipend. In addition, holders of these awards will be exempt from University tuition fees. The awards are tenable for one year but may be extended to a maximum duration of four years.

Persons domiciled in Australia who are University graduates or will graduate in the current academic year are eligible for the awards, the conditions of which may be obtained from the University Administration.

Applications for awards must be lodged with the Secretary by 31st October each year.

PRIZES

BOARD OF ARCHITECTS OF NEW SOUTH WALES

An annual prize of $40 is offered to the Architecture student at the University of Newcastle showing the greatest proficiency in completing his course.

ROYAL AUSTRALIAN INSTITUTE OF ARCHITECTS, NEWCASTLE DIVISION

Junior Prize
An annual prize of $21 is awarded to the student showing the highest academic proficiency in either Years I, II, III or Stages 1, 2, 3 or 4 of the undergraduate course in Architecture at the University of Newcastle.

Senior Prize
An annual prize of $21 is awarded to the student showing the highest academic proficiency in either Years IV or V or Stages 5 or 6 of the undergraduate course in Architecture at the University of Newcastle.

JAMES HARDIE PRIZE
An annual amount of $50 is awarded each year to the final year student coming top in his course.

SYSTEM OF MARKING

Examination results shall be in accordance with the following table:

<table>
<thead>
<tr>
<th>Description</th>
<th>Symbol</th>
<th>Percentage Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fail</td>
<td>F</td>
<td>0—39</td>
</tr>
<tr>
<td>Deferred</td>
<td>X</td>
<td>40—49</td>
</tr>
<tr>
<td>Pass</td>
<td>P</td>
<td>50—64</td>
</tr>
<tr>
<td>Credit</td>
<td>C</td>
<td>65—74</td>
</tr>
<tr>
<td>Distinction</td>
<td>D</td>
<td>75—84</td>
</tr>
<tr>
<td>High Distinction</td>
<td>HD</td>
<td>85—100</td>
</tr>
</tbody>
</table>

DRAWING OFFICE EQUIPMENT

Each student must furnish himself with essential equipment prior to commencing the course. Minimum requirements are:

- A double elephant drawing board for home use with tee square to match.
- 12" adjustable set square.
- Set of drawing instruments including spring bows and 6" compasses adaptable for pencil, pen and divider attachment.
- 12" architectural (not engine divided) composition scale with 1", 1/4", 1/8" and 1/16".
- Ruling and freehand pens, pencils varying from hard (H) to soft (B).
- Water and poster colours.
- Coloured pencils.
- One 6' steel tape, combined for inches and metric.
- Steel erasing shield.
- Dusting brush.
CLASSIFICATION OF STUDENTS IN COURSES

CLASSIFICATIONS

1. (i) Full-time students are classified by year (Roman numerals).
   (ii) Part-time students are classified by stage.

2. In the Faculties of Arts and Science, classification depends on the number of subjects passed.

3. (i) In all other Faculties, classification is determined by enrolment in a classifying subject, i.e. by a major subject in a course.
   (ii) If a student enrols in more than one classifying subject, then the year or stage of the lower classifying subject applies.
   (iii) If the student enrols in no classifying subject, then he is classified in the year or stage of the highest classifying subject he has passed.

CLASSIFYING SUBJECTS FOR ARCHITECTURE

FULL-TIME COURSE

| YEAR I | ...... | ...... | ...... | Design I |
| YEAR II | ...... | ...... | ...... | Design II |
| YEAR III | ...... | ...... | ...... | Design III |
| YEAR IV | ...... | ...... | ...... | Design IV |
| YEAR V | ...... | ...... | ...... | Design V |

PART-TIME COURSE

| STAGE 2 | ...... | ...... | ...... | Construction II |
| STAGE 3 | ...... | ...... | ...... | Design II |
| STAGE 4 | ...... | ...... | ...... | Design III |
| STAGE 5 | ...... | ...... | ...... | Design IV |
| STAGE 6 | ...... | ...... | ...... | Design V |

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF ARCHITECTURE

A candidate for the degree of Bachelor of Architecture shall complete the course under one of the two basic timetable arrangements:

1. **Full-time Degree Course**: Five years of 30 weeks each full-time study.

2. **Part-time Degree Course**: 1st year of 30 weeks full-time study followed by 5 annual 30 weeks stages of part-time study.

First year students shall normally enrol in the full-time course. However, on completion of Year I and if eligible to progress to Year II, a student may apply to the Dean of the Faculty to transfer to the part-time course. Approval will be granted only if the student can satisfy the Dean that he is in approved employment.

On application to the Dean a student may be permitted to transfer from full-time to part-time or vice-versa later in the course subject to compliance with the normal rules governing Progression and Complementary Employment.

COMPLEMENTARY EMPLOYMENT

Prior to graduation all students are required to gain practical experience by approved employment.

Approved employment means employment in the office of a registered architect, in the architectural Section of a Government Department or industrial organisation.

Employment in a technical capacity in the allied fields of town-planning, quantity surveying, civil engineering and building may also be approved but must not exceed 25% of the total required time of practical experience.

Full-time students must complete 12 months in approved employment prior to being admitted to the degree. 9 months of which would normally occur in the period between 4th and 6th years. Part-time students are required to be in approved employment for the full duration of their part-time enrolment.

Students must keep a well-conducted record of their practical experience. It is recommended that the "Practical Experience Log Book" of the Royal Institute of Architects be used for this purpose. Copies of these are available on application to the Sub-Dean.

Full-time students must submit evidence of 12 months practical experience with enrolment in second term of 5th year.

Part-time students must submit evidence of approved employment with enrolment at the beginning of the academic year. Evidence of current employment may be requested by the Dean at any stage of part-time study.
PROGRESSION.

1. Progression shall be from year to year or stage to stage. A student shall be required to pass all subjects of any year or stage before proceeding to the next year or stage. Except that with the permission of the Dean, one subject only may be carried with the subjects of the next following year or stage.

Where a student has failed in two or more subjects he shall be required to repeat the year or stage, but standing may be granted in subjects in which he has attained credit level or better except that no standing will normally be granted in Design subjects.

2. No two design subjects may be taken concurrently.

3. A part-time student who fails to comply with the requirements for Complementary Employment shall satisfy the Dean of the Faculty that these requirements will be met before progression to the next stage of his course.

4. A student may be enrolled concurrently in the subjects of no more than two consecutive years except in the case of students admitted to the course with advanced standing, for whom special programmes which do not accord with this rule may have to be arranged.

5. All students shall be subject to the general rules of the University governing re-enrolment.

HONOURS

A candidate for the degree may be awarded Honours at Graduation, based on his performance throughout the course. There shall be two classes of Honours, namely, Class I and Class II.

COURSE OUTLINES

FULL-TIME

YEAR I (30 weeks full-time)

<table>
<thead>
<tr>
<th>Hours per week</th>
<th>Term 1</th>
<th>Term 2</th>
<th>Term 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Design I</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Theory of Design I</td>
<td>6</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>Design I (Studio)</td>
<td>4</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Construction I</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Structures I</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Building Science I</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>(Properties of Materials)</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>History of Architecture I</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
</tbody>
</table>

| Drawing I     | 1      | 1      | 1      |
| Architectural | 2      | 2      | 2      |
| Freehand      | 2      | 2      | 2      |
| Descriptive Geometry | 1      | 1      | 1      |
| Perspective   | 1      | 1      | 1      |
| Building Trades | 3      | 3      | 3      |
| Mathematics (10.051) | 2      | 2      | 2      |

| Lectures      | 2      | 2      | 2      |
| Tutorials     | 3      | 3      | 3      |
| Physics (IC)  | 32     | 32     | 32     |

YEAR II (30 weeks full-time)

<table>
<thead>
<tr>
<th>Hours per week</th>
<th>Term 1</th>
<th>Term 2</th>
<th>Term 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Design II</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Theory of Design II</td>
<td>9</td>
<td>9</td>
<td>9</td>
</tr>
<tr>
<td>Design II (Studio)</td>
<td>4</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Construction II</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Structures II</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Building Science IIA</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>(Climate Control)</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Building Science IIB (CE220, Materials Testing)</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>History of Architecture II</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
</tbody>
</table>

| Drawing II    | 1      | 1      | 1      |
| Architectural | 3      | 3      | 3      |
| Freehand      | 3      | 3      | 3      |
| Building Services A (Plumbing and Drainage) | 1      | 1      | 1      |

|               | 29     | 29     | 29     |
### YEAR III (30 weeks full-time)

<table>
<thead>
<tr>
<th></th>
<th>Term 1</th>
<th>Term 2</th>
<th>Term 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Design III</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Theory of Design III</td>
<td>9</td>
<td>9</td>
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</tr>
<tr>
<td>Design III (Studio)</td>
<td>6</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>Construction III</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Structures III</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Building Science III</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>(Lighting and Acoustics)</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>History of Architecture III</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Drawing III</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>(Life Class)</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Building Services B</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>(Mechanical and Electrical Installations)</td>
<td>2</td>
<td>1</td>
<td>-</td>
</tr>
<tr>
<td>Surveying (CE340)</td>
<td>2</td>
<td>1</td>
<td>-</td>
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<tr>
<td><strong>Total</strong></td>
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<td>27</td>
<td>26</td>
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### YEAR IV (30 weeks full-time)

<table>
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<tr>
<th></th>
<th>Term 1</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Design IV</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Theory of Design IV</td>
<td>9</td>
<td>9</td>
<td>9</td>
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<tr>
<td>Design IV (Studio)</td>
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<td>2</td>
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<tr>
<td>Structures IV</td>
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</tr>
<tr>
<td>Australian Architecture</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Specifications</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Professional Practice A</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Town Planning A</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>19</td>
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### YEAR V (30 weeks full-time)

<table>
<thead>
<tr>
<th></th>
<th>Term 1</th>
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<tbody>
<tr>
<td>Design V and Structural Seminar</td>
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<tr>
<td>Theory of Design V</td>
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<tr>
<td>Design V (Studio)</td>
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<tr>
<td>Architectural Research</td>
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<tr>
<td>Fine Arts</td>
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<tr>
<td>Estimating</td>
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<tr>
<td>Professional Practice B</td>
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<td>Town Planning B</td>
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<td><strong>Total</strong></td>
<td>17</td>
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### PART TIME COURSE

#### STAGE 1 (30 weeks full-time)

as for full-time course

#### STAGE 2 (30 weeks part-time)

<table>
<thead>
<tr>
<th></th>
<th>Term 1</th>
<th>Term 2</th>
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</thead>
<tbody>
<tr>
<td>Construction II</td>
<td>4</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>Structures II</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Building Science II</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>(CE220, Materials Testing)</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Drawing II</td>
<td>3</td>
<td>3</td>
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</tr>
<tr>
<td>Architectural</td>
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<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Freehand</td>
<td>16</td>
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#### STAGE 3 (30 weeks part-time)

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<tbody>
<tr>
<td>Design II</td>
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<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Theory of Design II</td>
<td>3</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Design II (Studio)</td>
<td>2</td>
<td>2</td>
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</tr>
<tr>
<td>Structures III</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Building Science III</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>(Climate Control)</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Building Science III</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>(Lighting and Acoustics)</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>History of Architecture III</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>Building Services A</td>
<td>13</td>
<td>13</td>
<td>13</td>
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<tr>
<td>(Mechanical and Electrical Installations)</td>
<td>14</td>
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<td>12</td>
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#### STAGE 4 (30 weeks part-time)

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<th>Term 1</th>
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<td>1</td>
</tr>
<tr>
<td>Theory of Design III</td>
<td>3</td>
<td>3</td>
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</tr>
<tr>
<td>Design III (Studio)</td>
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</tr>
<tr>
<td>Drawing III</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>(Life Class)</td>
<td>4</td>
<td>4</td>
<td>4</td>
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<tr>
<td>Construction III</td>
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<td>Building Services B</td>
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<tr>
<td>(Mechanical and Electrical Installations)</td>
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STAGE 5 (30 weeks part-time)

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<th>Hours per week</th>
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<th>Term 2</th>
<th>Term 3</th>
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<tbody>
<tr>
<td>Design IV</td>
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<tr>
<td>Theory of Design IV</td>
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<tr>
<td>Design IV (Studio)</td>
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<td>Structures IV</td>
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<td>Specifications</td>
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<tr>
<td>Professional Practice A</td>
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STAGE 6 (30 weeks part-time)

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<th>Term 3</th>
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<tbody>
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<td>Design V and Structural Seminar</td>
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<tr>
<td>Theory of Design V</td>
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<tr>
<td>Design V (Studio)</td>
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<tr>
<td>Architectural Research</td>
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<td>Fine Arts</td>
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<tr>
<td>Estimating</td>
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<tr>
<td>Professional Practice B</td>
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<tr>
<td>Town Planning B</td>
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<tr>
<td>Total</td>
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DESCRIPTION OF SUBJECTS

(A) DESIGN

This subject embodies and applies all the subject matter of the other lectures and studies in the course. Design includes planning, construction, specialised building techniques, engineering services and equipment, specification, estimating, and building job supervision and control.

The Design course consists of a series of lectures and studio assignments. The problems are planned to develop a knowledge of the fundamental aesthetic and technical aspects of building, and to stimulate imaginative thinking in the process.

In all projects, structure and construction are considered an essential part of design. Special or unusual features are required to be substantiated by drawn details of construction. Towards the end of the course, structural calculation and details of construction are produced for a large building.

The lectures will introduce students to the theoretical and factual bases of the design assignments.

Studio work consists of the design and architectural representation of projects which are realistically programmed, located on actual sites. Economics are taken into account and estimates are required with the designs. Students must comply with all regional government acts and by-laws applicable to their work.

An incidental purpose of studio work is the academic study of civic building problems in the Newcastle region. For the senior years this is an important factor in the selection of studio subjects which, by display and public discussion, can make a contribution to the architectural development of the area.

Studio projects are sometimes made the subject of a competition within the class, with a prize being awarded to the winning design.

Projects are assessed by a panel of staff members who, as the occasion warrants it, may co-opt outside experts, and criticisms and discussion in class follow.

DESIGN I

A lecture course to develop an appreciation of the fundamental principles of design.

In the studio students are given a small domestic project as a vehicle for coming to grips with basic architectural elements and techniques of presentation. This is closely related to concurrent instruction in Building Science, Trades and Construction.

BOOKS

R. G. Scott, Design Fundamentals.
Ramsay and Sleeper, Architectural Graphic Standards.
Architectural and Building Drawing Practice (A.S. No. CA25).

DESIGN II

Studio assignments are still of a residential nature, but increased in scope. They may consist of a regional housing scheme, sponsored by a municipality or industrial concern on suburban land, walk-up flats or other types of medium density group housing. Site planning is governed by townplanning and regional aspects. In the course of the year, other
components of the scheme may be developed, for instance a kinder-
garten, chapel, doctor’s residence, a neighbourhood shopping centre and
the like.

BOOKS
Teague, Design this Day.
David Pye, The Nature of Design.
R. Banham, Design Theory in the First Machine Age.

DESIGN III
Assignments consist of institutional projects such as schools, old
people’s homes, colleges, and medium size civic projects like churches,
town halls, libraries and the like.

BOOKS
C. Siegal, Structure and Form in Modern Architecture.
L. Moholy-Nagy, Vision in Motion.
B. Zevi, Towards an Organic Architecture.
B. Neufert, Bauentwurfslehre.

DESIGN IV
Studio assignments on the design of buildings more intricate in
planning and taken to a further stage of completeness in overall design,
detailed planning and a consideration of structure, construction and
materials.

At this level, the year’s work is devoted to major communal problems
with a bias for research in town planning during the early stages. Assign-
ments include major commercial, industrial and civic buildings.

BOOKS
References vary according to the assignments undertaken in the
studio.

DESIGN V
Assignments are given in advanced planning, involving urban problems
of zoning, densities and traffic and the investigation of industrial, com-
mercial, civic and other large building projects. Associated questions of
economics, structure, mechanical equipment and services form part of the
investigation.

Hospitals, theatres, art galleries, buildings for rail, road or air
transport, education, sports, industry, commerce and similar are suitable
projects for studio work at this level.

BOOKS
References vary according to the assignments undertaken in the
studio.

(B) BUILDING CONSTRUCTION
The course consists of lectures and studio assignments and is intended
to give the student a basic working knowledge of the materials and
methods of construction of buildings of all kinds.

CONSTRUCTION I
Lectures: Building materials, elements of construction, components
of buildings and their functions in simple domestic buildings. Building
sites and trade practices.

Studio: Details of construction illustrating selected work treated in
lectures. Methods of transmitting requirements by detail drawings and
specification clauses.

BOOKS
Local Government Ordinance No. 71.
Sydney Corporation Act By-laws 51-58 inclusive.
G. F. Mackey, Gregory's Modern Building Practice in Australia.
E. De Mare, New Ways of Building.

CONSTRUCTION II
Lectures: Requirements of buildings of two-storey load-bearing con-
struction, domestic and industrial, in masonry and structural timber.
Basement construction; elementary construction in structural steel and
concrete.

Studio: Drawn details and contract drawings of work treated in
lectures. Design of elements of construction with specifications. Details of
selected work designed in Structures II.

BOOKS
G. M. Parker, Materials and Methods of Architectural Construction.

CONSTRUCTION III
Lectures: Requirements of building of multi-storey framed construc-
tion in steel and concrete. Application of building regulations and cost
control factors. Construction, erection and supervision methods.

Studio: Assignments involving the investigation, design and detail of
constructions treated in lectures. Details of selected work designed in
Structures III.

BOOKS
C) STRUCTURES
Structures I, II, III and IV are given to Architectural students by the Department of Civil Engineering.

CE104 STRUCTURES I
A course in statics applied to structures. Equilibrium of two-dimensional force systems, funicular polygon; shear force, axial force, bending moment; pin-jointed frames; analytical and graphical treatment; three-dimensional systems.

BOOKS

CE205 STRUCTURES II
Uniaxial loading, states of stress and strain; strain relationships; internal forces, internal stresses, deflexion of beams, torsion and buckling.

BOOK
W. A. Nash, Strength of Materials.

CE306 STRUCTURES III
Principles of structural design, loadings, use of codes; steel design, riveted, bolted and welded joints, columns (Perry-Robertson formula), beams, plated beams, plate web girders, roof trusses; reinforced concrete design, simple beams, doubly reinforced beams, tee-beams, one-way slabs, axially loaded columns, eccentrically loaded columns by charts, column footings.

BOOKS

CE407 STRUCTURES IV
Types of multistory frames and methods of bracing; introduction to analysis of indeterminate frames using moment distribution and frame tables. Approximations used for preliminary design; introduction to plastic analysis of frames; soil mechanics problems in foundations—retaining walls; description of behaviour of two-way and flat slabs including ribbed slabs; introduction to prestressed concrete, prestress losses; ultimate load behaviour of reinforced and prestressed beams; design by load balancing; elementary theory of shells and folded plates.

(D) BUILDING SCIENCE
This subject deals with the application of the methods and findings of science as applied to the problems of the building industry in two principal fields:

1. Materials. The properties, uses, testing and selection of materials.
2. Environmental Physics. The analysis of human requirements and methods for their satisfaction in such fields as heating, ventilation, lighting and acoustics.

At the commencement emphasis is placed on broad general principles, whilst at later stages certain aspects are studied in more detail.

BUILDING SCIENCE I (Property of Materials)
Introduction to the science of building, scientific method and measurement.

The application of chemical and physical laws in the study of building materials and the natural environment.

The functional requirements of buildings and the principles through which these may be satisfied.

The nature, properties, manufacture, and uses of the primary building materials, including their testing and compliance with statutory standards and recommendations.

BOOKS

BUILDING SCIENCE IIA (Climate Control)
The thermal environment and the physiological factors of human comfort.

Climatology, fundamentals of electromagnetic radiation and heat transfer, thermal properties of materials and buildings, principles of insulation.

Hygrometry and condensation.

Geometry of shade, control of sunlight penetration and solar radiation.

Basic theory of heating, cooling and ventilation.

Further study of secondary building materials.

BOOKS
CE220 BUILDING SCIENCE IIIB (Materials Testing)

A course of lectures and laboratory work given by the Department of Civil Engineering under the heading of "Materials for Architects." Subject matter dealt with covers the load deformation behaviour of engineering materials and their efficient utilisation with reference to strength durability and appearance. Concrete work includes the properties characteristics and testing of cements and aggregates: mix requirements and design methods.

BUILDING SCIENCE III (Lighting and Acoustics)

Lighting: Basic concepts, elementary photometry; consideration of light sources and controls; colour; physiological, psychological and aesthetic aspects; vision.

The calculation and design of artificial illumination installations and the uses of daylighting standards and assessments.

Acoustics: Basic concepts and measurement, hearing. Noise control, transmission of airborne and structure borne sound, absorption and acoustic materials, calculation of transmission loss and control of sound.

Geometric acoustics, reverberation, echoes, the design of auditoria and other building types.

BOOKS

A. Lawrence, Acoustics in Building.
L. R. Stevens, Principles of Lighting.
L. L. Beraneck, Noise Reduction.
V. O. Knudsen and C. N. Harris, Acoustical Design in Architecture.
P. H. Parkin and H. R. Humphreys, Acoustics, Noise in Building.
Parkin, Purkins and Schales, Field Measurement of Sound.
Between Dwellings (H.M.S.O.)
BSS 661: 1955, Glossary and Acoustical Terms.
CP3 111: Sound Insulation and Noise Reductions.
S.A.A. CA30, Code for the Artificial Lighting of Buildings.

(E) HISTORY OF ARCHITECTURE

This is one of the basic subjects leading to Architectural Design. Students of architecture should obtain some knowledge of past systems of building, the use of materials, and the principles of design for purpose and beauty. The subject is treated in a general manner, but certain buildings and other works of construction are examined analytically, the approach being critical rather than archaeological. Research assignments and/or examinations are required in each term of each year.

HISTORY OF ARCHITECTURE I, II AND III

This course covers the History of Architecture from antiquity past the middle ages to modern. It includes geographical, geological, climatic, religious, social and historical influences on architecture and extends into the allied fields of painting and sculpture within each period. The study of the industrial revolution of the nineteenth century and the emergence of new materials and engineering techniques leads to an assessment of modern architecture, demonstrated with significant contemporary buildings and biographical information of their architects.

BOOKS

B. Fletcher, A History of Architecture.
N. Pevsner, An Outline of European Architecture.
Hamlyn, World Architecture.
L. Mumford, The City in History.
R. Wittkower, Architectural Principles in the Age of Humanism.
The Art and Architecture of Japan.
S. Giedion, Space, Time and Architecture.
J. Richards, An Introduction to Modern Architecture.
N. Pevsner, Pioneers of Modern Design.
S. Piggott, (Ed.), The Dawn of Civilization.
H. G. Wells, Outline of History.

AUSTRALIAN ARCHITECTURE

The History of Architecture in Australia, within the framework of the general history course.

Working in a group the student is called upon to do field investigations and prepare measured drawings of buildings of historical significance in the Hunter Valley.

BOOKS

M. E. Herman, Early Australian Architects and their Work.
M. E. Herman, The Blackets.
M. E. Herman, Victorian Sydney.
Casey, Maie, Early Melbourne Architecture.

(F) DRAWING I AND II — ARCHITECTURAL

The subject encompasses all types of drawing used in the practice of architecture including lettering. Practical work in various media is given to develop observation and skill in depiction. The student is introduced to the physical, sensory and perceptual aspects of colour.

(G) DRAWING I AND II — FREEHAND

Supervised assignments are given in outdoor sketching, freehand perspective drawing and in quick sketching. The student's ability is developed in the use of pencil, pen, water colour and poster colour techniques.

(H) DRAWING I — DESCRIPTIVE GEOMETRY

Line drawing, plane geometry, solid geometry and shadow projection. Exercises are carried out in orthographic, isometric, axonometric and oblique projection.

BOOK

L. A. Lee and R. F. Reekie, Descriptive Geometry for Architects and Builders.
(I) DRAWING I — PERSPECTIVE
Theory of parallel and two point perspective, penetration of solid figures, shadow projection etc. Practical assignments are integrated with the design course.

(J) DRAWING III (LIFE CLASS)
As further development of freehand techniques by figurative drawing from life, Life Classes are offered by arrangement with the Newcastle Technical College at its Hunter Street branch.

(K) BUILDING SERVICES A
(Plumbing and Drainage)
Principles and practice as controlled by regulation for domestic and commercial building services including drainage, sanitary plumbing, water supply and reticulation, fire services, gas services, hot water service heaters and tanks, efficiency of units and relative costs are considered.

BOOKS
H. Y. Randerson, Australian Sanitary Engineering Practice.

(K) BUILDING SERVICES B
(Mechanical and Electrical Installations)
Design principles and practical requirements of the following services and their application to buildings are studied to provide the architect with sufficient information for selection and inclusion in building projects. Heating, ventilation, air-conditioning, electrical services, call systems, fire protection, lifts, steam.

BOOKS
R. Whitely, A Guide to Building Services for Australian Architects.

(L) TOWN PLANNING A
The course provides an outline of the aims of town and country planning and its relationship to the techniques of architecture, civil engineering, geography, sociology, land economics and land surveying. The course touches on the history, theory and practice of town and country planning and includes considerations of traffic and transportation, elements of civic design, the planning of residential areas and principles of regional planning.

BOOKS
Brown and Sherrard, Town and Country Planning.
L. Mumford, The City in History.
D. Winston, Sydney's Great Experiment.
Chapin, Urban Land Use Planning.
Buchanan Report, Traffic in Towns.
J. Miller, The Nature of Politics.
Margaret Mead, Cultural Patterns and Technical Change.
F. R. Hiorns, Town Building in History.
L. B. Keble, Principles and Practice of Town and Country Planning.

(L) TOWN PLANNING B
An extension of the subject matter of Town Planning A, emphasising the architectural aspects of town planning with particular reference to requirements in community planning, Government housing, residential and estate development.

BOOKS
Text as for Town planning A.

(M) BUILDING TRADES
The general purpose of this subject is to familiarise the student with the materials, tools and terms used by the building craftsmen and the interworking of building trades.

Specialist trade teachers give short lectures and demonstrations in the technique of bricklaying, carpentry and joinery, plastering, plumbing, drainage and painting. Each student is required to do some practical work.

(N) ARCHITECTURAL RESEARCH
Architectural Research is concerned with the study and critical assessment of contemporary buildings of architectural merit. Significant examples are demonstrated from current magazines.

This subject is conducted as a seminar, where each student is required to conduct an investigation into an aspect of modern architecture, to present an illustrated address to his fellow students and to take part in discussion.

(O) FINE ARTS
A broad survey of painting and sculpture of all ages, covering the cultural and historical backgrounds of various styles, the lives of artists and visual demonstration of works.

BOOKS
Joachim Fernau, Encyclopedia of Old Masters.
Michael Levey, A Concise History of Painting from Giotto to Cezanne.
Lake and Maillard, A Dictionary of Modern Painting.

(P) SPECIFICATIONS
Subject matter covered by lectures includes:
Specifications, their purpose, legal significance and relationship to building contract. Types of specifications and their uses. Methods of preparation; sources of information; schedules; abstracts; and general conditions. The basic principles of quantities and specified bills of quantities.

BOOKS
(Q) ESTIMATING

Methods used for estimating; standard mode of measurement; project, establishment and other on-costs charges; awards, insurance, taxes, etc. Scale of fees and charges by local and other authorities.

Measuring and methods of adjusting variations; grouping of unit item to obtain a bulked cost rate for different structural parts of buildings; comparison of costs for alternative methods of construction related to structural parts of buildings; preparation of preliminary estimates from sketch plans; tenders.

(R) PROFESSIONAL PRACTICE A

Subjects dealt with include:

An Architect's work, principles of preparing plans, specifications and estimates, surveys of buildings and sites, code of professional conduct, architectural competitions, conditions of engagement and scale of minimum charges, agreements between client and architect, professional indemnity insurance, Lump sum contracts and conditions, forms of certificates and notice of practical completion, arbitration, building regulations, quantity surveying, tendering, supervision, office administration, consultants, correspondence, etc.

BOOKS

Year Book, R.A.I.A.


E. J. Rimmer, *The Law relating to Architects.*


(R) PROFESSIONAL PRACTICE B


(S) OTHER SUBJECTS

PHYSICS IC

A general course comprising all fields of physics at an elementary level for students in the Faculty of Architecture and given in the Department of Physics of the Faculty of Science. A course of about 90 hours lectures and demonstrations; a final examination of three hours.

CE340 SURVEYING

A course of lectures and field work given in the Department of Civil Engineering.


10.051 MATHEMATICS

Analytic geometry in two dimensions and some elementary work in three dimensions with vectors.

Calculus with applications including work on maxima and minima, curvature, the Mean Value Theorem, Taylor's series; the indefinite and definite integrals with applications to geometry and physics, numerical methods; some simple types of differential equations including second order linear differential equations with constant coefficients.
REQUIREMENTS FOR THE DEGREE OF
MASTER OF ARCHITECTURE

1. An application to register as a candidate for the degree of Master of
Architecture shall be made on the prescribed form which shall be
lodged with the Secretary at least one full calendar month before
the commencement of the term in which the candidate desires to reg­
ister.

2. An application for registration for the degree of Master shall have
been admitted to a Bachelor's degree in Architecture in an approved
University, provided that,
   (i) In exceptional cases, persons may be permitted to register as can­
didates for the degree of Master if they submit evidence of such
general and professional attainments as may be approved by the
Senate.
   (ii) The registration of diplomates of the New South Wales Depart­
ment of Technical Education as candidates for the degree of
Master of Architecture shall be determined in each case by
Senate. Normally such applicants shall be required to produce evidence
of academic and professional progress over a period of five years
from the time of gaining the diploma.

3. The applicants approved by the Senate shall register in one of the
following categories:
   (i) Student in full-time attendance at the University.
   (ii) Student in part-time attendance at the University.
   (iii) Student working externally to the University.

4. An approved applicant shall be required to pay the undermentioned
fee:
   Supervision fee of:
   (a) $114.00 per annum for students in full-time attendance at the
University.
   (b) $57.00 per annum for students in part-time attendance at the
University.
Fees shall be paid in advance.

5. Every candidate for the degree shall be required to carry out a pro­
gramme of advanced study, to take such examinations, and to perform
such other work as may be prescribed by Senate. The programme shall
include the preparation and submission of a thesis embodying the res­
ults of all original investigations or design relative to architecture.
The candidate may submit also for examination any work he has pub­
lished whether or not such work is related to the thesis.

6. The investigation or design, and other work as provided in paragraph
5 shall be conducted under the direction of a supervisor appointed by
Senate or under such conditions as Senate may determine.

7. Every candidate shall submit three copies of the thesis as provided
under paragraph 5*. All copies of the thesis shall be in doublespaced
typescript, shall include a summary of approximately 200 words, and a
certificate signed by the candidate to the effect that the work has not
been submitted for a higher degree to any other University or instit­
ution. The ORIGINAL copy of the thesis for deposit in the Library
shall be prepared and bound in a form approved by the University.
The other two copies of the thesis shall be bound in such a manner
as allows their transmission to the examiners without possibility of
disarrangement.

   It shall be understood that the University retains the three copies of
the thesis and is free to allow the thesis to be consulted or borrowed.
Subject to the provisions of the Copyright Act (1912-1950) the Uni­
versity may issue the thesis in whole or in part in photostat or micro­
film or other copying medium.

8. No candidate shall be considered for the award of the degree until the
lapse of six complete terms from the date from which the registration
becomes effective, save that in the case of a full-time candidate who
has obtained the degree of Bachelor of Architecture with Honours or
who has had previous research experience, this period may, with the
approval of Senate, be reduced by not more than three terms.

9. For each candidate there shall be two examiners appointed by Senate,
one of whom shall, if possible, be an external examiner.

*The thesis and other relevant work may be submitted to the Secretary
at any time during the year, within the provisions of paragraph 8 of
the Master of Architecture Regulations. In order that a successful can­
didate may have a reasonable chance of having his degree awarded at a
confering of degrees ceremony, the candidate should arrange for his
thesis and other relevant work to be in the hands of the Secretary at
least fourteen weeks prior to the date of such ceremony.
REQUIREMENTS FOR THE DEGREE OF
DOCTOR OF PHILOSOPHY

1. The degree of Doctor of Philosophy may be awarded by the Council on the recommendation of the Senate to a candidate who has satisfied the following requirements.

2. A candidate for registration for the degree of Doctor of Philosophy shall:—
   (i) have satisfied all of the requirements for admission to the degree of master or the degree of bachelor with first or second class honours in the University of Newcastle or a degree from another University recognised by the Senate as having equivalent standing;
   or
   (ii) have satisfied all of the requirements for admission to the degree of bachelor with third class honours or without honours in the University of Newcastle or a degree from another University recognised by the Senate as having equivalent standing, and have achieved by subsequent work and study a standard recognised by the Senate as equivalent to at least second class honours;
   or
   (iii) in exceptional cases submit such other evidence of general and professional qualifications as may be approved by the Senate.

3. The Senate may require a candidate, before he is permitted to register, to undergo such examination or carry out such work as it may prescribe.

4. A candidate for registration for a course of study leading to the degree of Ph.D. shall:—
   (i) apply on the prescribed form at least one calendar month before the commencement of the term in which he desires to register; and
   (ii) submit with his application a certificate from the Head of the Department in which he proposes to study stating that the candidate is a fit person to undertake a course of study or research leading to the Ph.D. degree and that the Department is willing to undertake the responsibility of supervising the work of the candidate.

5. (i) A candidate shall, except in exceptional circumstances, to be determined by Senate, register as a full-time student.
   (ii) Notwithstanding the provisions of section (i) of this clause, a member of the full-time academic or teaching staff of the University may be registered as a candidate for the degree.

6. Subsequent to registration, the candidate shall pursue a course of advanced study and research for at least nine academic terms, save that any candidate who before registration was engaged upon research to the satisfaction of the Senate, may be exempted from three academic terms.

7. A candidate shall present himself for examination not later than fifteen academic terms from the date of his registration, unless special permission for an extension of time be granted by the Senate.

8. The course, other than field work, must be carried out in a Department of the University, under the direction of a supervisor appointed by the Senate, or under such conditions as the Senate may determine, save that a candidate may be granted special permission by the Senate to spend a period of not more than three academic terms in research at another institution approved by the Senate.

9. Not later than three academic terms after registration the candidate shall submit the subject of his thesis for approval by the Senate. After the subject has been approved it may not be changed except with the permission of the Senate.

10. A candidate may be required to attend a formal course of study appropriate to his work.

11. On completing his course of study every candidate shall submit a thesis which complies with the following requirements:—
   (i) The greater proportion of the work described must have been completed subsequent to registration for the Ph.D. degree.
   (ii) It must be a distinct contribution to the knowledge of the subject.
   (iii) It must be written in English or in a language approved by the Senate and reach a satisfactory standard of literary presentation.
12. The thesis shall consist of the candidate's own account of his research. In special cases work done conjointly with other persons may be accepted provided the Senate is satisfied on the candidate's part in the joint research.

13. Every candidate shall be required to submit with his thesis a short abstract of the thesis comprising not more than 300 words.

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

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

16. Four copies of the thesis shall be submitted together with a certificate from the supervisor that the candidate has completed the course of study prescribed in his case and that the thesis is fit for examination.

17. The thesis shall be in double-spaced typescript. The original copy for deposit in the Library shall be prepared and bound in a form approved by the University. The other three copies shall be bound in such manner as allows their transmission to the examiners without possibility of disarrangement.

18. It shall be understood that the University retains four copies of the thesis and is free to allow the thesis to be consulted or borrowed. Subject to the provisions of the Copyright Act (1912-1950) the University may issue the thesis in whole or in part in photostat or microfilm or other copy medium.

19. The candidate may also submit as separate supporting documents any work he has published, whether or not it bears on the subject of the thesis.

20. The Senate shall appoint three examiners of whom at least two shall not be members of the teaching staff of the University.

21. The examiners may require the candidate to answer, viva voce or in writing, any questions concerning the subject of his thesis or work.

22. The result of the examination shall be in accordance with the decision of a majority of the examiners.

23. A candidate permitted to re-submit his thesis for examination shall do so within a period of twelve months from the date on which he is advised of the result of the first examination.