Postal Address:

THE UNIVERSITY OF NEWCASTLE, NEW SOUTH WALES

Telephone Numbers:

SHORTLAND CAMPUS  68 0401

Administration
Faculties of:
Arts
Economics and Commerce
Science (Departments of
Geology, Mathematics
and Physics)
Library

TIGHE'S HILL CAMPUS  61 0461

Faculties of:
Applied Science
Architecture
Engineering
Science (Department of
Chemistry)
Library

Consult the Calendar for:—

Academic Dress
University of Newcastle Act, 1964
By-laws
The Council
The Senate
Officers and Former Officers of the University
Prizes and Scholarships
University Medallists
Lists of Graduates and Diplomates
Publications and Research Interests
PRINCIPAL DATES — 1967

First Term: Lectures: February 27th to May 13th.
Vacation: May 15th to June 3rd.

Second Term: Lectures: June 5th to August 12th.
Vacation: August 14th to September 2nd.

Third Term: Lectures: September 4th to November 3rd.
Annual Examination: November 4th to November 25th.
Vacation: Commences November 27th.

JANUARY
Deferred Examinations: All courses Monday, 23rd to Saturday, 4th February.
Monday, 30th .... Australia Day — Public Holiday.

FEBRUARY
Friday, 10th .... Last day for lodgement of all enrolment applications.
Wednesday, 22nd .... Orientation commences.
Monday, 27th .... First Term Lectures begin.

MARCH
Friday, 24th to Tuesday, 28th .... Easter Vacation.

APRIL
Tuesday, 25th .... Anzac Day — Public Holiday.

MAY
Monday, 13th to Saturday, June 3rd .... Vacation (3 weeks).

JUNE
Monday, 5th .... Second Term Lectures begin.
Monday, 12th .... Public Holiday.
Thursday, 29th .... Last day for acceptance of applications for examinations — 24 week courses.

AUGUST
Friday, 11th .... Last day for acceptance of applications for examinations — 30 week courses.
Monday, 14th to Saturday, September 2nd .... Vacation (3 weeks).

SEPTEMBER
Monday, 4th .... Third Term Lectures begin.

OCTOBER
Monday, 2nd .... Public Holiday.

1968

NOVEMBER
Friday, 3rd .... Third Term Lectures end.
Saturday, 4th .... Annual Examinations begin — 30 week courses.
Saturday, 25th .... Annual Examinations end.

JANUARY
Monday, 28th to Saturday, 4th February .... Deferred examinations — all courses.

FEBRUARY
To be advised .... Closing date for lodgement of all enrolment applications.
Monday, 26th .... First Term Lectures begin.
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OFFICERS OF THE UNIVERSITY

VISITOR
His Excellency The Governor

CHANCELLOR
The Honourable Sir ALISTER MAXWELL McMULLIN, K.C.M.G.,
President of the Senate

DEPUTY CHANCELLOR
GEORGE ALFRED EDWARDS, B.A., B.Sc.(Oxon.),
A.M.I.Chem.E., A.R.I.C.

VICE-CHANCELLOR AND PRINCIPAL
Professor JAMES JOHNSTON AUCHMUTY, M.A., Ph.D.(Dub.),

VICE-PRINCIPAL
Professor BRINLEY NEWTON-JOHN, M.A.(Cantab.)

FACULTY OF ARTS

Dean
Professor J. A. Keats

Sub-Dean
Associate Professor K. W. Robinson

Classics
Professor
R. G. Tanner, M.A.(Melb. and Cantab.), Professor of Latin
(Head of Department)

Senior Lecturer
W. D. Ashworth, B.A.(Oxon.), M.A.(St. And.)

Lecturers
Rhonda Beare, B.A.(Cantab.)
C. A. Lewis, B.A.(Brist.), B.A., D.Phil.(Oxon)
B. W. Roos, Drs.Litt.Class(Utrecht)

Economics
Professor
W. P. Hogan, M.A.(N.Z.), Ph.D.(A.N.U.), Professor of
Economics (Head of Department)

Associate Professor
B. L. Johns, M.A.(Cantab.)

Senior Lecturers
B. L. J. Gordon, M.Ec.(Syd.)
P. W. Sherwood, B.Com.(Lond.)

Lecturers
N. J. Dickinson, B.Com.(N.S.W.)
I. J. Fairbairn, M.A.(Wash.), Ph.D.(A.N.U.)
W. J. Sheehan, B.Ec.(Syd.), M.A.
P. E. Stonham, M.Sc.(Econ.) (Lond.)

Education
Visiting Senior Lecturer
G. H. Duncan, M.A.(Syd.), B.Ed.(Meb.), M.A.C.E.

Visiting Lecturers
E. J. Braggett, B.A., Dip.Ed.(N.E.), M.A.(N.S.W.),
A.B.Ps.S., M.A.P.S.
R. R. Milne, B.A.(Syd.), A.B.Ps.S., M.A.C.E.

English

Professor
K. G. W. Cross, M.A., Ph.D.(Dub.), Professor of English (Head of Department)

Associate Professor

Senior Lecturers
D. B. O. Biggins, B.A.(London.), M.A.(So’ton)
N. R. Cattell, M.A.(Syd.)

Lecturers
Robyn K. Bach, B.A.(Syd.)
R. P. Laidlaw, M.A.(Leeds)
N. C. Talbot, B.A.(Dunelm), Ph.D.(Leeds)

French

Professor
K. H. Hartley, M.A.(Syd.), D.de l’U.(Paris), Professor of French (Head of Department)

Lecturers
G. C. Jones, B.A.(N.S.W.), M.A.(Melb.), D.de l’U.(Grenoble)
N. M. Million, M.A.(Oxon.)
Janice Rubenach, B.A.(Tas.)

Senior Tutor
Kathleen F. Dockrill, B.A., Dip.Ed.(N.S.W.)

Geography

Professor
A. D. Tweedie, M.A.(N.Z.), Professor of Geography (Head of Department)

Associate Professor

Senior Lecturers
W. F. Geyl, B.Sc.(Lond.), Drs.Phys.Geog.(Utrecht)
H. R. Jarrett, B.A.(Birm.), M.Sc., Ph.D.(Lond.)

Lecturers
J. C. R. Camm, M.Sc.(Hull)
P. G. Irwin, B.A.(Syd.), B.Com.(Q’ld.), M.A.(N.S.W.)

Visiting Professor
M. John Loeffler, M.A.(Colorado), Ph.D.(Wash.)

German

Professors
D. G. Mowatt, B.A., Ph.D.(Lond.), Professor of German (Head of Department)
B. Newton-John, M.A.(Cantab.), Professor of German Literature

Senior Lecturer
Marlene J. Norst, M.A., Dip.Ed.(Syd.)

Lecturers
J. W. Stowell, B.A.(Melb.)

History

Professors
G. A. Cranfield, B.A., Ph.D.(Cantab.), Professor of Modern History (Head of Department)

Senior Lecturers
A. H. Anderson, M.A., Ph.D.(Edin.)
J. P. S. Bach, M.A.(Syd.), Ph.D.(N.S.W.)
W. G. McMinn, B.A.(N.E.), M.A.(N.S.W.)

Lecturer
N. Rutherford, B.A.(N.S.W.), Ph.D.(A.N.U.)

Mathematics

Professor
I. D. Macdonald, M.A.(Aber.), Ph.D.(Manc.), Professor of Mathematics (Head of Department) (Resigned 31st January, 1967)
Senior Lecturers
- W. Brisley, B.Sc.(Syd.), M.Sc.(N.S.W.), Dip.Ed.(N.E.)
- J. A. Lambert, B.Sc.(Syd.), M.Sc.(N.S.W.)
- I. L. Rose, B.E.(Syd.), Ph.D.(N.S.W.)
- M. Temple, M.A.(Dub.)

Lecturers
- J. R. Giles, B.A., Dip.Ed.(Syd.)
- W. T. F. Lau, M.E.(N.S.W.)
- I. F. Vivian, B.Sc.(Lond.)

Philosophy
Professor
- A. M. Ritchie, M.A.(Syd.), Ph.D.(Lond.), Professor of Philosophy (Head of Department)

Senior Lecturer
- W. V. Doniela, M.A.(Syd.), Dr.Phil.(Freib.)

Lecturers
- A. J. Anderson, B.A.(Syd.)
- D. W. Dockrill, B.A.(Syd.), Ph.D.(A.N.U.)
- J. M. Lee, B.A., LL.B.(Q'ld.), M.A.(Oxon.)

Psychology
Professor
- J. A. Keats, B.Sc.(Adel.), B.A.(Melb.), A.M., Ph.D.(Princ.), F.B.Ps.S., F.A.Ps.S., Professor of Psychology (Head of Department)

Senior Lecturer

Lecturers
- B. Fenelon, B.A.(Q'ld.), M.A.Ps.S.
- G. A. Halford, M.A.(N.E.), M.A.Ps.S.
- A. C. Hall, B.A.(R'dg.), A.B.Ps.S., M.A.Ps.S.
- J. A. C. Price, B.A.(Q'ld.), M.A.Ps.S.

Senior Demonstrator
- A. Ivinskis, B.A.(Q'ld.), M.A.Ps.S., A.B.Ps.S.
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
Marianne E. Flood, B.A.(Syd.), Dip.Lib.(N.S.W.)
Two appointments pending

Library Assistants
B. Mitcheson, A.L.A.A.
Winifred Murdoch, B.Sc.(N.E.)
L. Faidigo
P. Davies
M. Swerus
Two appointments pending

Librarian's Secretary
Marcia C. Meyjes

Typists
Joyce Kiefer
Colleen Flynn

Attendants
P. Moroney
J. Vanson
The Chief Academic Body in the University is the Senate, which is composed of the professors and one non-professorial representative from each faculty. It meets under the Chairmanship of the Vice-Chancellor and presents to Council the results of its deliberations on all matters affecting the academic life of the University—matriculation requirements, course structures, the appointment of examiners, the conditions for the award of post-graduate degrees and diplomas and similar matters. The Senate has inter alia a Personnel and Finance Committee which is an advisory committee to the Vice-Chancellor, and an Admissions Committee, which deals with all applications for entry which do not satisfy formal matriculation requirements.

The other major academic bodies are the Faculty Boards of which we have six (Applied Science, Architecture, Arts, Economics and Commerce, Engineering, Science). Each Faculty Board consists of all the tenured academic staff of the Departments composing the Faculty together with representatives of other Faculties and is chaired by the Dean of the Faculty, a professor elected by the Faculty Members. It is the Faculty Board that is responsible for the teaching, research activities and examinations within the Faculty. Once courses have been approved by the Board, it is the business of the individual Departments to teach and examine them.

Most Departments invite an External Examiner, usually a Professor from another University, to co-operate in the assessment of examination results, particularly those of honour candidates, thus ensuring that this University's standards are known in the other Australian Universities.

THE FACULTIES

Courses are offered in six Faculties, each of which is composed of one or more departments.

FACULTY OF APPLIED SCIENCE
Dean: Professor I. McC. Stewart

Chemical Engineering and Industrial Chemistry
Professor
  I. McC. Stewart, M.E.(Q'ld.),
  S.M.(M.I.T.), F.Inst.F.,
  M.I.E.(Aust.)

Metallurgy
Professor
  E. O. Hall, M.Sc.(N.Z.), Ph.D.(Cantab.),
  F.Inst.P., M.Aus.I.M.M.,
  F.I.M.(Lond.), F.A.I.P.

FACULTY OF ARCHITECTURE
Dean: Professor F. Romberg

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

FACULTY OF ARTS
Dean: Professor J. A. Keats

Classics
Professor
  R. G. Tanner, M.A.(Melb. and Cantab.)

Education
Head of Department
  G. H. Duncan, M.A.(Syd.),
  B.Ed.(Melb.), M.A.C.E.

English
Professor
  K. G. W. Cross, M.A., Ph.D.(Dub.)

French
Professor
  K. H. Hartley, M.A.(Syd.),
  D. de l'U(Paris)

Geography
Professor
  A. D. Tweedie, M.A.(N.Z.)

German
Professor
  D. G. Mowatt, B.A., Ph.D.(Lond.)

History
Professor
  G. A. Cranfield, B.A., Ph.D.(Cantab.)

Philosophy
Professor
  A. M. Ritchie, M.A.(Syd.),
  Ph.D.(Lond.)

Psychology
Professor
  J. A. Keats, B.Sc.(Adel.), B.A.(Melb.),
  A.M., Ph.D.(Princeton),
  F.B.Ps.S., F.A.Ps.S.

FACULTY OF ECONOMICS AND COMMERCE
Dean: Professor W. P. Hogan

Commerce
Professor
  M. O. Jager, B.Com.(Melb.),
  A.A.S.A., A.C.A.A.

Economics
Professor
  W. P. Hogan, M.A.(N.Z.),
  Ph.D. (A.N.U.)
REQUIREMENTS FOR ADMISSION

Candidates may qualify for entry to undergraduate courses by complying with the matriculation requirements set out hereunder at the New South Wales Leaving Certificate Examination, or the University of Sydney Matriculation Examination.

The New South Wales Leaving Certificate Examination is usually held in November and entries must be lodged with the Department of Education during July.

The Matriculation Examination is held in February and applications must be lodged at the University of Sydney during the first ten days of January except by candidates who have taken the Leaving Certificate Examination in the previous November. The closing date for such candidates will be announced when the Leaving Certificate results are published.

MATRICULATION REQUIREMENTS

(To operate from 1st January, 1961, to 31st March, 1967.)

1. (i) A candidate for any first degree of the University shall satisfy the conditions for admission set out in section 2 (ii) below before entering upon any course for such degree.

Compliance with these conditions does not in itself entitle a student to enter upon a course.

(ii) A person who has satisfied the conditions for admission 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. (i) For the purpose of matriculation, approved subjects are grouped as follows:—

A. English.
B. Latin, Greek, French, German, Italian, Hebrew, Chinese, Japanese, Russian, Dutch, Geography, Ancient History, Modern History, Economics;
C. Mathematics I, Mathematics II, Mathematics III.
D. Agriculture, Applied Mathematics, Biology, Botany, Chemistry, Physics, Geology, General Mathematics, Physics and Chemistry, Physiology, Zoology;
E. Accountancy, Art, Descriptive Geometry and Drawing, Music, Theory, and Practice of Music.

(ii) The conditions for admission to any undergraduate course leading to a degree are that a candidate must have passed the New South Wales Leaving Certificate Examination conducted by the Department of Education or the University of Sydney Matriculation Examination, in at least five approved subjects at the one examination;

Provided that:—

(i) either (a) the five subjects include English and at least one subject from each of the Groups B and C but include not more than one subject from Group E, except that candidates may qualify for admission to the Faculty of Arts only, by passing in one subject from group D in lieu of the subject from Group C, or (b) the five subjects include English, and at least one subject from either Group B or Group C, but include not more than one subject from Group E, and
provided further that the five passes include either one first-class Honours and two A's or two Honours of which one is first-class; and

(ii) (a) neither Physics nor Chemistry is offered with the combined subject Physics and Chemistry;
(b) neither Botany nor Zoology is offered with Biology;
(c) neither Botany nor Zoology nor Biology is offered with Physiology;
(d) neither Mathematics I nor Mathematics II nor Mathematics III is offered with General Mathematics;
(e) neither Mathematics I nor Mathematics II is offered with Mathematics III; and
(f) Mathematics I or Mathematics II may be counted as an approved subject only if the candidate presented himself for examination in both Mathematics I and Mathematics II.

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 shall not have the privileges of a matriculated student and shall not be eligible to proceed to a degree.

UNDERGRADUATE COURSES

The following tables show the courses available and the degrees awarded. Details will be found in the Faculty Handbooks.
### POST GRADUATE AWARDS

It is well to consider at the outset of your University career the desirability of undertaking an honours course.

A good honours degree, valuable in itself and a most useful qualification in any professional field, is essential to gain a post-graduate award which will enable the recipient to read for a higher degree.

Particulars of post-graduate awards available at the University are published in the Calendar.

### PROCEDURES

#### HOW TO ENROL

All documents relating to enrolment are obtainable from the Student Records Office, Room No. 158, Building "A", Shortland site.

1. **PERSONS ENROLLING IN AN UNDERGRADUATE COURSE AT THE UNIVERSITY OF NEWCASTLE FOR THE FIRST TIME.**

   Two forms, as under, are required to be completed by each intending student and lodged with the Student Records Office before the 10th February, 1967.

   (a) Application for Admission.
   
   (b) Enrolment Application.

2. **PERSONS RE-ENROLLING IN UNDERGRADUATE COURSES.**

   Undergraduates re-enrolling will be required to complete an Enrolment Application and lodge it with the Student Records Office before the 10th February, 1967.

   A student in this category whose Enrolment Application is not received by the Student Records Office before 5.00 p.m. on Friday, 10th February, 1967, will become liable to pay a late fee.

3. **CANDIDATES FOR POST-GRADUATE DIPLOMA COURSES**

   - **Candidates for the Diploma in Education.**
     These people should complete the Post-Graduate Diploma Application Form and lodge it with The Principal, Newcastle Teachers' College, before the 10th February, 1967.

   - **Candidates for the Post-Graduate Diploma in Industrial Engineering.**
     These people should complete the Post-Graduate Diploma Application Form and lodge it with the Student Records Office before the 10th February, 1967.

4. **CANDIDATES FOR THE DEGREE OF MASTER OR DOCTOR OF PHILOSOPHY.**

   - **Candidates re-enrolling.**
     These persons will be required to complete the Higher Degree Enrolment Form and lodge it with the Student Records Office before the 10th February, 1967.

   - **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.

5. **CANDIDATES FOR QUALIFYING COURSES FOR HIGHER DEGREES.**

   Graduates intending to pursue qualifying studies for admission as a candidate for the degree of Master or Doctor of Philosophy...
should complete the special form for this purpose and lodge it with the Student Records Office, preferably before 10th February, 1967.

2. NOTIFICATION OF ACCEPTANCE.
   (i) All Undergraduates.
   Each student will be required to call at Room No. 150, Building “A”, Shortland site, to collect his/her approved Enrolment Application.
   The approved Enrolment Applications will be available for collection on and after Wednesday, 22nd February, 1967.
   Wednesday, 22nd February, 1967, is the Opening Day of Orientation Week.
   (ii) All Post-Graduate Candidates.
   The approved Enrolment Application will be posted to the address nominated by the candidate on his Enrolment Form.

3. NOTIFICATION OF AMENDMENT, CALL FOR INTERVIEW OR REJECTION.
   In cases where an enrolment may be authorised subject to certain amendments, the student concerned may be advised by post or may be requested to call for an interview.
   Where it is considered desirable or where the student has so requested, an appointment will be made for the student to discuss his enrolment application.
   The student whose enrolment cannot be accepted will be notified in writing.

4. STUDENTS NEEDING ACADEMIC ADVICE BEFORE ENROLLING.
   The student who is uncertain which subjects he should read, after referring to the information available in the appropriate Faculty Handbook, should consult the Dean of the Faculty during the period 6th—10th February, 1967. An appointment may be made by phoning the Dean's secretary.
   The Deans of various faculties are listed on page 18.

5. LATE ENROLMENTS.
   (i) Students who are unable to lodge their Application for Enrolment by the prescribed date, shall make written application to the Vice-Principal for an extension of time. This application must be received by the Vice-Principal on or before 10th February, 1967, otherwise the University reserves the right not to accept the student's application.
   (ii) No enrolments will be accepted after 31st March of each academic year without the approval of the Vice-Principal 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 Application with the Student Records Office after the publication of the examination results and before Thursday, 23rd February, 1967.
   (iv) Show Cause Students.
   A student given permission to re-enrol will be required to lodge, with the Student Records Office, an Enrolment Application within seven (7) calendar days of the despatch to him of a letter advising permission to re-enrol.
   (v) Sydney University Matriculation Examination.
   Students relying on this examination for matriculation will be required to lodge an Application for Admission and an Enrolment Application with the Student Records Office within seven (7) calendar days of the publication of results.

6. INTERSTATE AND OVERSEAS STUDENTS.
   Students relying on matriculation on examinations taken outside New South Wales will be required to produce evidence of matriculation to their local university or some other recognised university, for example, The University of London.
   These students should lodge with this University, before 1st December, 1966, an Application for Admission and an Enrolment Application, supported by a statement as above and documentary evidence of their educational qualifications.

7. PRECAUTIONS WHEN COMPLETING ENROLMENT DOCUMENTS.
   (i) Students should answer all questions unless otherwise instructed.
   (ii) The description of subjects should correspond exactly with the information shown in the Faculty Handbooks.
   (iii) The student should ensure that he has inserted his standing in the course in accordance with the instructions set out in the Faculty Handbook, e.g. Year II, Stage 4.
   (iv) The student should check the timetable for the courses selected to ensure that there are no clashes.
   (v) It is important that the student check his proposed programme to ensure that he has:
      (a) completed pre-requisite subjects,
      (b) satisfied the sequence requirements.
   (vi) Amendments to Enrolments.
   All amendments to enrolments must be completed by lodging, before 31st March, 1967, with the Dean of the Faculty, a Variation Form indicating the change required.
   Changes are not automatically approved; the reasons therefore must be given.

8. AMENDMENTS.
   The following matters are regarded as amendments to course programmes and require documentation:
   (i) To change from one course to another.
   (ii) To substitute one subject for another.
   (iii) A change in the method of completion of course, e.g. full-time to part-time.
   (iv) Permission to include five first year subjects in Arts Degree course.
   (v) Approval to withdraw from a subject or course.
   (vi) Leave of absence from course.
   (vii) Any other course change.

9. 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 Application, the subjects he will read for the year. Particular attention should be paid to ensure that these subjects are listed in the Honours segments where they are taken.

10. 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 enrolls in it and does not pass the annual examinations—i.e. not sitting for the examination (unless withdrawal has been approved) is regarded as not passing the examination.
After the sixth Monday of Second Term a student will not be allowed to withdraw without penalty unless, in the opinion of the Dean of the Faculty, there is good reason why he should be permitted to do so.

**PAYMENT OF FEES**

**Completion of Enrolment.**
Enrolment is completed by the payment of fees.

**Failure to Pay Fees.**
Fees should be paid before or during the first two weeks of First Term. After that, a late fee is incurred (see below). Fees will not be accepted after the 31st March except with the written approval of the Secretary, which will be given only in exceptional circumstances.

IT IS RECOMMENDED that wherever possible payment of fees be made through the post, by cheque, money order, or postal note. (Money orders should be made payable at Newcastle University Post Office). Payment in person may be made to the Cashier who is located opposite the Student Records Office in Building "A", Shortland Site. The cashier's ordinary hours of opening are as follows:
- 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 office will be open for additional hours, which will be published on the notice boards.

**Payment of Fees by Term.**
A student may pay course fees by the term, in which case payment must be made within the first two weeks of each term.

**Scholarship Holders and Sponsored Students.**
The student whose fees are met from a scholarship or some other form of financial assistance is required to submit an authorised enrolment application together with a voucher or other documentary evidence from the sponsor accepting liability for his fees, together with payment of fees not included in such authority, to the Cashier by the due date. Where such documentary evidence is not available, the student is expected to make payment by the due date and to apply for a refund of fees paid when he is in a position to lodge such document.

**Extension of Time.**
The student who is unable to pay fees by the prescribed date may apply in writing to the Secretary for an extension of time. This application must state fully the reasons why fees cannot be paid and must be lodged before the date on which the late fee becomes payable.

**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 the disqualification referred to in the two preceding paragraphs upon receipt of a written statement setting out all relevant circumstances.

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**DATES FOR PAYMENT OF FEES IN 1967.**

<table>
<thead>
<tr>
<th>Term</th>
<th>Dates</th>
<th>Fee Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>First Term</td>
<td>Monday, 27th February to Friday, 10th March</td>
<td>Late fee of $6 applicable: Monday, 13th March to Friday, 31st March. Late fee of $10 applicable, if permission given by the Secretary for the enrolment to be accepted after 31st March.</td>
</tr>
<tr>
<td>Second Term</td>
<td>Monday, 5th June to Friday, 16th June</td>
<td>Late fee of $6 applicable: Monday, 19th June to Friday, 30th June. Late fee of $10 applicable, if permission given by the Secretary for fees to be accepted after 1st July.</td>
</tr>
<tr>
<td>Third Term</td>
<td>Monday, 4th September to Friday, 15th September</td>
<td>Late fee of $6 applicable: Monday, 18th September to Friday, 22nd September. Late fee of $10 applicable, if permission given by the Secretary for fees to be accepted after September 22nd.</td>
</tr>
</tbody>
</table>

**EXTENSION OF TIME TO PAY FEES**
A student whose written application for an extension of time in which to pay fees has been approved by the Secretary (see above) may be granted a maximum period of ONE MONTH after the closing date for payment of fees. The closing dates are:
- First Term: Friday, 10th March.
- Second Term: Friday, 16th June.
- Third Term: Friday, 15th September.

**UNDERGRADUATE COURSE FEES**
The fees quoted below are current at the time of publication and may be varied by the Council without notice. It will be noted that the fee schedule applicable to students who enrolled for the first time in 1966 and in later years differs from that obtaining beforehand.

| Full-time registered students in the Faculties of Arts, Economics and Commerce | $276 per annum |
| Full-time registered students in all other Faculties | $350 per annum |
| Part-time registered students in all Faculties | $165 per annum |

**Notes**
(a) 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 except on the written approval of the Dean of his Faculty that he be reclassified as a part-time student — this re-classification would be exceptional.

(b) A part-time student is either one who enrolls in half or less than half the subjects of a normal first year course or one who enrolls in a part-time course. In subsequent years the enrolment as a part-time student requires the approval of the Dean of the Faculty.

'Non-degree' Students. (Fee under review).
- ‘Non-degree’ students, are those permitted to read one or more subjects in a first degree course without counting them as qualifying for a degree. Such students, whether enrolling for the first time or re-enrolling are required to pay a course fee of $90 p.a. for each subject.
The General Services Fee.
From 1966 onwards all registered students will pay a combined General Services Fee of $42 p.a. payable in First Term with the Course Fees. In addition students joining the University Union for the first time will be required to pay an entrance fee of $12.

HIGHER DEGREE FEES
(Under review)

Master's Degree.
Course and Supervision Fee (Full-Time) ... $96 per annum
Course and Supervision Fee (Part-Time) ... $48 per annum
General Services Fee, which includes an annual contribution of $10 to the University Library ... $36 per annum

Doctor of Philosophy.
Qualifying Examination Fee (if applicable) ... $10 per annum
Course and Supervision Fee ... $96 per annum
General Services Fee, which includes an annual contribution of $10 to the University Library ... $36 per annum

Note:
The above fees will apply to candidates who registered for the first time in 1966 or who register in later years. Fees for candidates who were enrolled in 1965 will be as set out on page 38 of the 1965 Handbook.

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 ... $6
4. Review of Examination result, per subject ... $6

Adjustment of Fees.
Should an application to withdraw from a course or subject be approved, an adjustment of fees may be made, relative to the date on which the application was submitted. Up to that date, fees accrue. Where notification of withdrawal from a course is received by the Dean of the Faculty 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, no refund will be made.

IN RESPECT OF APPLICATIONS TO WITHDRAW FROM A COURSE OR SUBJECT WHICH ARE RECEIVED IN THE EARLY PART OF FIRST TERM, THE UNIVERSITY RESERVES THE RIGHT NOT TO MAKE ANY REFUND OF MONEYS UNTIL AFTER THE END OF THE SIXTH WEEK OF TERM.

EXAMINATIONS

General.
Examinations and other exercises may be held in any subject and at any time at the discretion of the lecturer or other competent authority, and the results of such examinations may be incorporated with those of the annual examinations in such subjects.

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

The annual examinations take place in November-December for students in 30 week courses, and in September for students in 24 week courses. Time-tables showing time and place at which individual examinations will be held are posted on the central notice boards. Misreading of the time-table will not under any circumstances be an acceptable excuse for failure to attend an examination. Examination results are published in the daily Press. No results will be given by telephone.

Examination results may be reviewed for a fee of $6 a 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 necessary fee by the date notified in the Press publication.

In the assessment of a student's progress in University courses, consideration is given to work in laboratory and class exercises and to any term or other tests given throughout the year, as well as to the annual examination results.

Students should also note that an examiner may call them in after completion of the written papers in the annual examination to complete further written, practical or oral tests as part of the annual examination. It is therefore important that the Examinations Branch be advised of any change in address from the one given on the Application for Admission to Examinations.

The prescribed dates by which applications to sit for examinations are to be lodged are:

- (a) Annual examinations for 24-week courses—30th June.
- (b) Annual examinations for 30-week courses—11th August.
- (c) Special examinations for other courses—14 weeks prior to date of first examination.

No student is eligible to attend the annual examination in any subject if any portion of fees due by the student is outstanding by the end of the third week of Third Term. The Cashier is authorised to receive application forms during the three weeks immediately following the prescribed closing dates if they are accompanied by a late fee of $4. Applications submitted more than three weeks after the closing date will not be accepted except in very exceptional circumstances and with the approval of the Secretary. Where an application is not accepted the student concerned is not eligible to sit for the examination.

Special Examinations.
Special Examinations may be awarded under certain conditions. The relevant sections of the University's By-laws are set out below.

By-law 5.9.3
5. When a candidate is prevented by illness or by 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 commenceing 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 to help resolve a doubt as to whether a student has reached the required standard in a subject.

Examinations are conducted in accordance with the following rules and procedure:-
(a) Candidates are required to obey any instruction given by a proc­tor 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.
(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 of the beginning of the examination.
(e) No candidate shall be permitted to leave the examination room before the expiry of thirty minutes from the time the examination begins.
(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 examinations.
(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.

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.

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 for a period of not more than one month, or on the recommendation of the Head of the appropriate Department for any longer period.

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 examination in that subject.

Ownership of Students’ Work.

Unless other arrangements have been agreed on 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 receipt for First Term enrolment as evidence that they are entitled to the rights and privileges afforded by the University.

Students desiring certification of documents for obtaining travel and other concessions should present such documents to the Student Rec­ords Section.

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.

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.

**PROGRESS IN THE COURSE AND EXAMINATION FAILURE**

The University is vitally concerned to see that all students take full advantage of the opportunities that they receive as persons privileged to attend a University. However, 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, certain By-laws have been enacted to give guidance to and deal with these students. They are:

**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 any 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.

*See also ‘Withdrawal from Course Regarded as Failure’—Page 27.

**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.

3. (1) A student who has a record of failure at another University shall show cause, standing 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.

   (2) If the Admissions Committee is satisfied that the condition or circumstances of any such student have so changed that there is a reasonable probability that he will make satisfactory progress in his studies it may authorise the re-admission of that student under such conditions 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.

**UNIVERSITY SERVICES**

**CHAPLAINCY SERVICE**

A Chaplaincy Service within the University of Newcastle for the benefit 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.
The Shortland Library occupies the lower two floors of the northern end of the Arts-Administration Building. Hours of opening are:

<table>
<thead>
<tr>
<th>Monday — Friday</th>
<th>8.30 a.m. to 9.30 p.m.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Saturday</td>
<td>9.30 a.m. to 12.30 p.m.</td>
</tr>
<tr>
<td>(long vacation excepted)</td>
<td></td>
</tr>
<tr>
<td>Long vacation</td>
<td>Monday, Wednesday, Friday 9.00 a.m. to 5.00 p.m.</td>
</tr>
<tr>
<td>Tuesday and Thursday</td>
<td>9.00 a.m. to 7.00 p.m.</td>
</tr>
</tbody>
</table>

The Tighes Hill library is located with the Technical College library on the first floor of the Clegg Building. Hours of opening are:

<table>
<thead>
<tr>
<th>Monday — Friday</th>
<th>9.00 a.m. to 9.30 p.m.</th>
</tr>
</thead>
<tbody>
<tr>
<td>(all vacations excepted)</td>
<td></td>
</tr>
<tr>
<td>Vacations</td>
<td>Monday, Wednesday, Friday 9.00 a.m. to 5.00 p.m.</td>
</tr>
<tr>
<td>Tuesday and Thursday</td>
<td>9.00 a.m. to 7.00 p.m.</td>
</tr>
</tbody>
</table>

The University of Newcastle Company is the Citizen Military Force's Sub-Unit of the University of Technology Regiment which is now called the University of Newcastle Company. The current strength of the Company is 100 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 is designed with this in view.
The training 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) An optional camp of two weeks in December.
(d) Five weekend bivouacs a year.
(e) Parades on Friday nights of two and a half hours duration.

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.

As a member of the University of Newcastle Company you are eligible for the following benefits:
- An opportunity to reach commissioned rank in 2-3 years.
- Tax-free pay for all training undertaken.
- Travelling expenses refunded.
- 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: Capt. J. G. Raymond
- Second in Command: Lt. J. G. Digby
- Officers:
  - Capt. N. R. Watkins
  - Capt. M. J. Hough
  - Lt. F. S. O'Toole
  - Lt. R. McGregor
  - Lt. A. J. Shaw
  - Lt. T. R. O'Brien
  - Lt. B. G. Jordan
- Company Sergeant-Major: W02 N. G. Platts
- Full-time Staff: Sgt. K. B. Carmichael

**THE UNIVERSITY OF NEWCASTLE SPORTS UNION**

The Sports Union is the student organisation responsible for promotion and control of sporting activities within the University. As a student you are automatically a member of the Sports Union. There are eighteen affiliated clubs:— Athletics, Badminton, Men's Basketball, Women's Basket-ball, Boat, Cricket, Golf, Women's Gymnastics, Men's Hockey, Women's Hockey, Women's Rowing, Rugby, Sailing, Ski-ing, Soccer, Squash, Tennis. Weightlifting, most of which participate in local competitions and send teams to Inter-Varsity contests each year. Each club has a student representative on the Sports Union Committee, which meets monthly. The Executive Committee 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 your General Services Fee, to meet the cost of equipment, affiliation fees, Inter-Varsity trips, etc.

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

The number of constituent clubs is increasing continually, and you are urged to contact our Amenities Officer, Mr. Bradford, or one of the Executives for further information.

**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 undergraduate members of the University must belong. Each year the governing body, known as the Students' Representative Council (SRC), is elected by the Association. Its functions are many and varied.

The SRC serves as the main liaison body between the students and the University and, as such, has a number of offices and committees in existence. Complaints and requests from members may be handled by the Library Office, the Welfare and Education Office or the Council as a whole. The committee with which most students come in contact is the Welfare and Education branch. Welfare work ranges over such topics as accommodation agencies, employment service (both vacation and other temporary work) and it is hoped that, in the near future, a health service will be established. Soon to come into operation is the second-hand book service. The Education branch conducts an education campaign (e.g. Newcastle seminars on education in 1966) and attempts, insofar as its resources allow, to study the local and national needs of education and participate in NUAUS activities in this regard.

The Papua-New Guinea committee is engaged in liaison work with a tertiary establishment in New Guinea and organises, on a local level, participants for work camps held in the territory over the long vacation.

One of the major ways in which the $6.00 membership fee is spent is in grants to affiliated clubs and societies, both of a cultural and social nature. To this end the Vice-President of the Association acts as Clubs and Societies Liaison Officer and, with his assistant, gives such assistance to affiliates within the competence of his office as they may from time to time require.

The SRC is also responsible for publishing the newspaper "OPUS" and the literary magazine "NIMROD" both of which will be seen around the campus at their time of publication.

The Association is a constituent member of the National Union of Australian University Students (NUAUS) and participates in conferences of this organisation and other activities such as the work camps, overseas student travel, education campaigns and the like.

Each year the SRC organises Autonomy Day—of this nothing need be said other than it is our equivalent of Commemoration or Foundation Day.

Every student is urged to take an active part in the functioning of the Association and enquiries may be made at the UNSA office, basement floor of the University Union.

**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 common room facilities for its members; a cafeteria; a coffee room; a
meeting room; a reading room; a stationery shop catering for all members
academic needs; the University Co-operative Bookshop and a Barber’s
Shop for men’s and women’s haircutting. The offices of the Students’ Rep­
resentative Council, Sports Union and the Students Counsellor are con­
tained 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 Coun­
cil, 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.

BOARD OF MANAGEMENT—1966/67

Mr. J. R. Crittenden: President
Mr. D. T. Kennedy: Vice-President
Mr. L. W. Harris: Hon. Treasurer
Mr. I. H. S. Irwin: Secretary/Manager
Mr. C. B. Belcher
Mr. K. G. Booth
Mr. W. G. Derkenne
Dr. L. K. Dyall
Miss N. Gollan
Mr. B. C. Humphries
Mr. J. A. Lambert
Mr. D. L. Marchoni
Mr. A. A. Morris
Mr. J. A. Sara
Mr. T. J. Smith

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 num­
   ber 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. The
   classifying subjects are set out below.
   (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.

FACULTIES OF ARTS AND SCIENCE

4. Students are classified according to the number of subjects passed, i.e.
   Fulltime-time
   A student stays in Year I until he has passed 3 subjects.
   A student stays in Year II until he has passed 4-6 subjects.
   A student stays in Year III until he has passed 7-9 subjects.
   A student is in Year IV when taking Honours.
   Part-time
   A student stays in Stage 1 until he has passed 2 subjects.
   A student stays in Stage 2 until he has passed 3-4 subjects.
   A student stays in Stage 3 until he has passed 5-6 subjects.
   A student stays in Stage 4 until he has passed 7-8 subjects.
   A student stays in Stage 5 until he has passed 9 subjects.
   A student is in Stage 6 when doing Honours.
All general information about the University, including conditions of admission, Matriculation requirements, withdrawal from Courses, Leave of Absence and changes in Course programme, progression in Courses, Fees, Examinations, the Union, the Students' Association, the Sports League, the Library, Counselling and Welfare Services, will be found in the first section of the Handbook.

Information in the remaining section is restricted to what concerns the Faculty of Arts alone.

ADVICE TO ARTS STUDENTS

General advice on Courses, etc., may be obtained from the Dean of the Faculty, or the Sub-Dean.

Detailed advice on courses in particular subjects should be obtained from the Head of the Department concerned, or a member of the Department who has been chosen to give advice during specific periods.

An approach should be made in any case through Mrs. J. Ebbeck, in the Office of the Faculty.

SELECTION OF SUBJECTS

In the Conditions below are specified the Faculty requirements for completing a Degree. What subjects a student elects to study is a matter of personal decision, provided the requirements are met.

The normal pass degree is taken by full-time students in three years. Four subjects are taken in the first year, three in the second, and two in the third. It should be realised that if a first year subject is deliberately chosen as one that will not be taken in the second year, no choice is left in regard to the three subjects to be taken at the second year level.

A sound choice of subjects enables a choice to be made at the end of the first year, and even at the end of the second year if change of interests or special difficulties make it necessary.

PROCEDURES

Full information is given regarding procedures to be followed in becoming a student and continuing as a student. It is the responsibility of all students in the Arts Faculty to satisfy University requirements, but if you have any doubt about what procedure to follow you may seek the advice of the Dean or Sub-Dean.

It is absolutely necessary that a student at all times be registered in the courses which he is actually taking.

FACULTY OF ARTS

COURSES AND CONDITIONS

(The Conditions which appear below will be the sole Conditions, applying within the Faculty of Arts until January 1, 1968)

1. Courses in the Faculty of Arts lead to the award of
   (i) Bachelor of Arts (B.A.)
   (ii) Master of Arts (M.A.)
   (iii) Doctor of Philosophy (Ph.D.)
   (iv) Diploma in Education (Dip.Ed.)
   (and such other degrees or diplomas as the Council may institute).

   All candidates for these awards shall be required to pass such examinations and to satisfy such other conditions as the Council may from time to time prescribe.

2. The degree of Bachelor of Arts shall be awarded in two grades, namely the degree and the degree with Honours.

   Candidates for the degree of B.A. shall be required to pursue courses for not less than three years.

   Candidates for the degree of B.A. with Honours shall be required to pursue courses for not less than four years.

3. A candidate for the degree of M.A. with Honours shall be required to complete a first degree in the University of Newcastle or other University approved by the Council.

4. The courses of study for the Dip.Ed. may be so arranged that they can be taken in preparation for infant, primary or secondary teaching. Candidates for the Dip.Ed. shall be required to reach a qualifying level of skill in teaching and to satisfy such conditions as the Council may from time to time prescribe.

CONDITIONS FOR THE AWARD OF THE DEGREE OF
BACHELOR IN THE FACULTY OF ARTS

1. A qualifying course shall consist of lectures together with such tutorials, exercises and laboratory work as may be prescribed.

   In these Conditions "to complete a course" means—
   (a) to attend the lectures and any tutorial classes given;
   (b) to complete satisfactorily the exercises, and laboratory work, if any, prescribed, and;
   (c) to pass the examinations of the course.

2. (a) In these Conditions the Roman numeral I, II, III, or IV, placed immediately after the name of a subject, means the First, Second, Third of Fourth Year course respectively in that subject.

   (b) A "major sequence" means a subject studied in three consecutive qualifying courses. A "minor sequence" means a subject studied in two consecutive qualifying courses.

   (c) Certain groupings of courses specified below are to be accepted as major or minor sequences, although they contain different subjects.
3. Except with the special permission of the Senate, no candidate for the degree may take Course II or a higher qualifying course in any subject without having previously completed the lower qualifying course or courses in the same subject, or such other course or courses prescribed by the Conditions.

4. Courses for the degree of Bachelor of Arts must be selected in accordance with the exigencies of the time-table.

5. The work of candidates may be tested by written and oral work, examinations, class exercises, essays or laboratory work, or by any combination of these and the results of such tests may be taken into account in determining the results of annual examinations.

6. (i) For the purposes of these Conditions a "Pass Course" shall be the course normally offered to students not proceeding to Honours. An "Honours Course" shall be the course offered to students desiring to proceed to Honours. An Honours Course may include the whole or any part of the Pass Course in that subject and it shall include such additional work as the Head of the Department may prescribe.

(ii) Course I in every subject shall be a Pass Course.

(iii) Honours candidates who do not achieve a sufficient standard may be awarded the same grades of pass as are awarded in the Special Examination. A candidate granted a Deferred Examination may, on application to the Vice-Principal, be granted a Deferred Examination in that course.

7. The annual examinations shall normally be held at the end of Third Term and shall be conducted by means of written examinations which may be supplemented by such oral testing as the examiners think fit. If the Head of the Department so wishes additional tests may be prescribed for any candidate and be regarded as part of his annual examination.

8. A candidate who has been prevented through illness or other unavoidable circumstances from satisfactorily completing an Annual Examination may, on application to the Vice-Principal, be granted a Special Examination. A candidate granted a Special Examination may be awarded the same grades of pass as are awarded in the Annual Examination in that course.

9. A Deferred Examination in any course may be granted at the discretion of the Faculty Board to a candidate who has failed the Annual Examination of that course. A successful candidate in a Deferred Examination may be awarded only the grade of Pass in that course. Only under exceptional circumstances shall candidates be granted more than four Deferred Examinations during their undergraduate courses in the Faculty of Arts.

10. Undergraduates from other universities entering the Faculty of Arts at the University of Newcastle may be given credit for not more than four courses provided that those courses have a reasonable correspondence with the courses given at the University of Newcastle.

10a. Any registered student who has been admitted to read for the Degree of Bachelor in the Faculty of Arts must complete within the Faculty more than half the total number of courses qualifying for the Degree or the Degree with Honours of Bachelor of Arts.

11. A graduate of another University, or of another Faculty of this University, wishing to proceed to a B.A. degree in this University shall submit to the Faculty Board a proposed course of study approved by the Head of the Department in which he intends to study a major sequence. The Faculty Board may, at its discretion, grant credit for not more than two courses included in his previous degree; provided that those courses are included in the list set out in Condition 13 and that the candidate shall not take as a qualifying course any course equivalent to one included in his previous degree.

11a. That notwithstanding the provisions of Conditions 10 and 12, undergraduates and graduates of other universities may be given credit for acceptable subjects which are not in the course leading to the Degree of Bachelor in the Faculty of Arts in the University of Newcastle provided that:-

(i) Such concession is limited to first courses in any subject.

(ii) Such concession allows for the design of a course which conforms to the grouping and sequence requirements of these conditions.

(iii) The proposed course to qualify for the Degree is nominated at the time the concession is sought, and, when approved, may not be departed from without the prior approval of the Faculty Board.

12. (i) Subject to general University regulations, no student who has twice failed the Annual Examination of any course shall be enrolled again in that course unless he shows cause to the Faculty Board.

(ii) No student who has been thus excluded from two courses shall be enrolled again in the Faculty unless by special leave of the Faculty Board, and under such conditions as it may determine.

13. The qualifying courses for the Degree of Bachelor of Arts are the courses set out in the following groups:

<table>
<thead>
<tr>
<th>Group I</th>
<th>Group II</th>
<th>Group III</th>
<th>Group IV</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>History</td>
<td>Economics</td>
<td>Chemistry</td>
</tr>
<tr>
<td>French</td>
<td>Philosophy</td>
<td>Education</td>
<td>Geology</td>
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<tr>
<td>German</td>
<td>Mathematics</td>
<td>Geography</td>
<td>Physics</td>
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<tr>
<td>Greek</td>
<td>Pure Mathematics</td>
<td>Psychology</td>
<td>Applied Mathematics</td>
</tr>
<tr>
<td>Latin</td>
<td></td>
<td></td>
<td>Engineering</td>
</tr>
</tbody>
</table>

DEGREE OF BACHELOR OF ARTS

14. Candidates for the Pass degree of Bachelor of Arts shall comply with the following conditions:-

(a) Nine qualifying courses shall be taken, and not more than four of these may be taken in any one year.

(b) The nine qualifying courses shall be selected from the groups set out in Condition 13, provided that:

(i) Courses selected shall include courses from at least two of Groups I, II and III.

(ii) Not more than three qualifying courses may be taken from Group IV.

(c) The nine qualifying courses shall normally be made up of:

(i) Two major sequences, one minor sequence, and one other course, or
17. (i) A qualifying course in Education shall not be taken by
(ii) Three major sequences, provided that no candidate may
take three third year courses in the one year without
special permission of the Faculty Board.
(d) Under special circumstances (e.g., the strengthening of a major
sequence), and on the recommendation of the Head of Depart­
ment concerned with the major sequence, and with the approval
of the Faculty Board, the nine qualifying courses may consist of:
(i) One major sequence and three minor sequences, or
(ii) Two major sequences and three first year courses, or
(iii) One major sequence, two minor sequences, and two first
year courses.
(A fifth first year course may not be taken until the
candidate has passed in four first year courses.)
(e) Candidates shall be held to have qualified for the Pass Degree
of Bachelor of Arts if they (i) have completed with the approval
of Faculty Board, seven qualifying courses for that degree,
and (ii) have subsequently passed in the first year programme
prescribed for students in the four year course for the Award
of the Degree of Bachelor in the Faculty of Law at the
University of Sydney. The seven qualifying courses must be chosen
from at least two of the groups specified in Condition 14 and
shall include three minor sequences.

15. In addition to the courses specified in Condition 13 there shall be
elementary courses in Greek and German which presuppose no
previous acquaintance on the part of the student with the language
in question. * An elementary course in Latin may be offered in 1967.

*An Elementary Course followed by Courses I and II of that subject
shall form a major sequence. An elementary course shall count
as a qualifying course only when studied as part of a major
sequence, and in no case shall more than one elementary course
be so counted for the Pass Degree of B.A.

16. Except with the permission of the Head of the Department con­
cerned, no candidate for the degree may attend a qualifying course
in Greek, Latin, French or German unless he has already passed
in that subject in the Matriculation Examination or an equivalent
examination; provided that, for the purposes of this condition,
the Annual Examination of the elementary courses in Greek and
German, together with such supplementary examinations as may
be prescribed, shall be regarded as an equivalent examination.

17. (i) A qualifying course in Education shall not be taken by a
candidate until he has completed two other courses, one of
which shall be either Philosophy I or Psychology I.
(ii) The qualifying courses in Pure Mathematics II and Applied
Mathematics II, Theory of Statistics I shall not be taken by
a candidate until he has completed Mathematics I.
(iii) The qualifying course Mathematics II shall not be taken if
Pure Mathematics II is taken.
(iv) The qualifying course Applied Mathematics II shall be taken
concurrently with or subsequently to Pure Mathematics II.
(v) The qualifying course Applied Mathematics III shall be taken
concurrently with or subsequently to Pure Mathematics III.

18. Provided that no course may be counted twice in reckoning
sequences, the following may form major sequences:
(a) Philosophy I, Education I, and Education II.
(b) Philosophy I, Philosophy II, and Education I.
(c) Philosophy I, Education I, and Philosophy II.
(d) Psychology I, Education I, and Education II.
(e) Psychology I, Psychology II, and Education I.
(f) Mathematics I, Pure Mathematics II, Pure Mathematics III.
(g) Any first qualifying course, Applied Mathematics II, Applied
Mathematics III.

and the following may form minor sequences:
(h) Mathematics I and Pure Mathematics II.
(i) Mathematics I and Theory of Statistics I.
(j) Any first course and Applied Mathematics II if the major
sequence (f) above is taken.

DEGREE OF BACHELOR OF ARTS WITH HONOURS

19. Except in special cases where the Faculty Board may determine by
resolution that these conditions shall not be followed, a candidate
for the degree of Bachelor of Arts with Honours must complete his
qualifications for the Honours Degree within five years from the
beginning of his studies to qualify for the degree in the Faculty of
Arts, provided that where it is deemed practicable to allow a part­
time student to become a candidate for the Honours degree, the
corresponding period shall be six years.

19a. A part-time student for the Degree with Honours may with the
approval of the Dean of the Faculty acting on the recommendation
of the Head of the Department concerned, be permitted to complete
the requirements of the final Honours year over two successive
years.

20. At the end of the fourth year, Honours shall not be awarded to any
candidate in more than two courses, but a candidate who has
completed a major sequence in a third course having satisfied the
Honours requirements in second and third year may be permitted
by the Faculty Board, on the recommendation of the Head of the
Department concerned, to take Honours in that course also after
a further year of study, with attendance at lectures.

21. There shall be three classes of Honours, namely Class I, Class II,
and Class III. Class II shall have two divisions, namely division I
and division II.

22. Candidates for Honours shall notify their intention to the Head of
the Department in which they wish to proceed with Honours at
such time as the Head of the Department shall determine, but in
no case later than the beginning of their study in Course III in
that department.

23. In order to qualify for the final Honours year candidates must have
(a) completed seven qualifying courses in accordance with the
relevant provisions of Condition 14, except that, in special cases, on
application to the Dean of the Faculty a candidate who has com­
pleted six qualifying courses may be allowed to take a seventh
qualifying course concurrently with the Honours course or courses, or (b) in the case of Psychology, have completed nine pass courses, or sequence chosen in accordance with Condition 14, including a major sequence in Psychology, and have reached a standard in the courses of such a sequence which is satisfactory to the Head of the Department.

24. Candidates for Honours shall, in the opinion of the Head of the Department, have shown merit in the First Examination of the course or courses in which they seek Honours; provided that candidates for Honours in Classics shall have shown merit in Latin I and either Greek I or Elementary Greek, and candidates for Honours in Education shall have shown merit in either Philosophy I or Psychology I.

25. Candidates who have not satisfied the requirements of Condition 24 may be allowed to become candidates for Honours provided they make written application to the Dean of the Faculty not later than the beginning of Course III in the subject. Such candidates may be required by the Head of the Department to reach a satisfactory standard in such supplementary work as he or the Faculty Board may determine.

26. Candidates for Honours who seek but do not obtain an Honours grading in Course II or Course III of a subject in which they seek Honours may be graded as Pass students, but shall not be allowed to proceed with the Honours degree unless by special permission of the Faculty Board.

27. Candidates for Honours who have (i) qualified to enter the final Honours year and have obtained a Distinction or High Distinction in such examinations as are required at the end of Course III of a major sequence, or (ii) qualified to enter the final Honours year and have passed in one additional course, and have obtained a Credit or Pass as an Honours grading in such examinations as are required at the end of Course III of a major sequence shall, on application to the Faculty Board, be held to have qualified for a Pass Degree.

28. Candidates for Honours who fail to obtain Honours at the Fourth Year Examination may at the discretion of the Faculty Board be awarded a Pass Degree. There shall be no re-examination for Honours.

29. There shall be Honours Schools in the following subjects:

- Classics
- Economics
- Education
- English
- French
- Geography
- German
- Greek
- History
- Latin
- Mathematics
- Philosophy
- Psychology

There shall also be combined Honours in certain combinations of two of the above subjects, as approved by the Faculty Board.

30. The grouping of subjects laid down in Conditions 14 (b) and 13 shall not necessarily apply to the curriculum for the Honours degree.

31. Candidates who seek Combined Honours, Honours in Classics or Honours in two Schools shall take one pass course in addition to their courses in the Honours Schools. Candidates who seek Honours in a single School shall take at least four other qualifying courses, including at least one minor sequence.

32. Candidates for Honours in Education shall, before proceeding to the final honours year, have completed one of the following major sequences:

- (a) Psychology I, Education I, Education II.
- (b) Philosophy I, Education I, Education II.

33. Before admission to the final year in the Honours School of Classics, a candidate shall be required to complete the major sequence in Latin and a major sequence in Greek. A candidate for honours in Classics shall be ineligible for Honours in Latin and Greek.

34. Candidates for Honours in Latin shall be required to pass in elementary Greek or Greek I.

35. Candidates for Honours in Mathematics shall have completed the two major sequences ending in Pure Mathematics III and Applied Mathematics III, at least one of these major sequences to be an Honours course.

36. Undergraduates from other universities, declared by the Faculty Board to be suitably qualified, may be admitted to the Honours course of any Department at the stage declared by the Faculty Board to be appropriate.

37. An Honours graduate who subsequently satisfies the requirements of an Honours School shall be granted a certificate of Honours in that subject.

COURSES TAKEN IN ADDITION TO THOSE REQUIRED FOR THE DEGREE OF BACHELOR OF ARTS

38. Any candidate for the degree of Bachelor of Arts may, with the permission of the Head of the Department concerned, attend with a view to examination any course within the Faculty other than those taken by him as qualifying courses. A candidate who has fulfilled the requirements of any such additional course may sit for the Annual Examination, and, having shown sufficient merit, shall be awarded the grade of pass which would be appropriate if he were counting the course towards his degree.

NON-MATRICULATED STUDENTS

39. A non-matriculated student having satisfied all the requirements of any course or courses shall receive a certificate to that effect, on application to the Vice-Principal.

RELAXING CLAUSE

40. Notwithstanding the generality of any of these conditions the Senate on the recommendation of the Faculty Board may relax any condition in order to provide for exceptional circumstances arising in particular cases.
CONDITIONS FOR THE AWARD OF THE DIPLOMA IN EDUCATION IN THE FACULTY OF ARTS

A. The courses for the Diploma in Education shall be:

Division I: Foundation Courses.
1. Foundations of Education.
   (a) Theory of Education, including History of Education or Comparative Education.
   (b) General Principles of Teaching Practice.
   (c) Educational Psychology and Child Development.
   (d) Measurement and Research in Education.
2. Health and Physical Education.
   Separate courses for those preparing to teach English and for those not so preparing. Both courses include a section on dramatic work.

Division II: Method and Teaching Skill Courses.
4. (a) Secondary Field.
   Two of the following Method Courses:

   OR

   (b) Primary Field.
   Either
   (i) Primary Methods.
   or
   (ii) Infants Methods.

5. Either
   Part A. Biological Science
   or
   Part B: Special Thesis.

6. Practical Teaching and Demonstrations.

B. (i) A student undertaking a Diploma in Education course must have satisfied requirements for admission to a University degree, except that a student requiring one subject to complete a pass degree may be permitted, on the recommendation of the Head of the Department of Education and with the consent of the Faculty of Arts, to attempt this one undergraduate subject in his Diploma year and shall be credited with the Diploma in Education if he passes both the undergraduate subject and the prescribed examinations for the Diploma in Education in that year.

(ii) Where a candidate has already completed courses in Education, the Head of the Department with the approval of the Faculty Board, may vary the requirements of Division I, Part I in Condition A.

(iii) Candidates must satisfy the Head of the Department that they have a reasonable university background in the subjects selected for Division II, Part I in Condition A.

C. All candidates for the Diploma shall take part in such supervised practice teaching as the Head of the Department shall require; reach a qualifying level of skill in teaching; and satisfy such further conditions as the Senate may from time to time prescribe.

D. Notwithstanding the generality of any of these conditions, the Senate on the recommendation of the Faculty Board may relax any condition in order to provide for exceptional circumstances arising in particular cases.

DIPLOMA IN EDUCATION
(A one-year full-time post graduate day course of 30 weeks)

<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>Foundations of Education</td>
<td>7</td>
<td>7</td>
<td>7</td>
</tr>
<tr>
<td>Health Education and Physical Education</td>
<td>3</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>Speech Training and Drama</td>
<td>1</td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>

Methods
(a) Secondary Field
   Special Methods I | ... | ... | 3 or 4 |
   Special Methods II | ... | ... | 3 | 3 |

(b) Primary Field
   Primary Method | ... | ... | 6 | 6 | 6 |

(c) Infant Field
   Infant Method | ... | ... | 6 | 6 | 6 |

   Biological Science | ... | ... | 4 | 4 | 4 |

   Special Thesis | ... | ... | 1 | 1 | 1 |

   Practical Teaching and Demonstrations | ... | ... | * | * | * |

   * 8 weeks full-time teaching.

CONDITIONS FOR THE AWARD OF THE DEGREE OF MASTER OF ARTS

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

2. Candidates for the degree of Master of Arts shall submit themselves for examination in one or more of the following departments:
   1. Classics
   2. Economics
   3. English
   4. French
   5. Geography
   6. German
   7. History
   8. Mathematics
   9. Philosophy
   10. Psychology

3. Except as provided in paragraph 4 an applicant for registration for the degree of Master of Arts shall have been admitted to the degree of Bachelor of Arts at a standard not below Second-class Honours in the University of Newcastle, or in an appropriate school from an approved university.
4. Graduates in Arts of this or another university with a degree of less than Second-class Honours standard shall be required before registration to take a qualifying examination and may be required to take such courses as the Head of the Department concerned may decide.

5. The Faculty Board may in exceptional circumstances, admit to candidature for the degree of Master of Arts a graduate in a Faculty other than Arts of this or another University.

6. Every candidate for the degree of Master of Arts shall in the first instant submit his proposed course of study and the subject of his thesis for the approval of the Head of the Department concerned.

7. Notwithstanding any other provisions of these regulations, the Faculty Board may on the recommendation of the Head of Department require an applicant to demonstrate his fitness for registration by carrying out such work and sitting for such examinations as the Faculty Board may approve, or may accept evidence of equivalent work as demonstrating fitness. The Faculty Board may on the recommendation of the Head of the Department concerned require a candidate to undergo a suitable language test in a relevant foreign language, the form of such test to be prescribed by the Head of the Department concerned.

8. Every candidate for the degree shall be required to submit a thesis embodying the results of an original investigation, and may further be required to take such examinations as may be required by the Head of the Department concerned and approved by the Faculty Board.

9. The investigation and other work as provided in paragraph 8 shall be conducted under a supervisor appointed by the Faculty Board or under such conditions as the Faculty Board may determine.

10. No candidate shall be considered for the award of the degree until the lapse of four complete terms from the date from which registration becomes effective, save that in the case of a candidate who has demonstrated exceptional merit this period may, with the approval of the Faculty Board, be reduced by one term.

11. For each candidate there shall be two examiners appointed by the Faculty Board, one of whom shall, if possible, be an external examiner.

12. The examination for the degree of Master of Arts shall be held at such time as the examiners, with the approval of the Faculty Board, may appoint.

13. Every candidate shall submit three copies of the thesis provided under paragraph 8. All copies of the thesis shall be in double-spaced type-script, 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 institution. 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.

14. It shall be understood that the University retains the three copies of the thesis and (unless the candidate specifies to the contrary) is free to allow the thesis to be consulted or borrowed, or to be issued in whole or in part in photostat or microfilm or other copying medium.

CONDITIONS FOR THE AWARD OF THE DEGREE OF DOCTOR OF PHILOSOPHY

1. The degree of Doctor of Philosophy may be granted by the Senate on the recommendation of the Faculty Board to a candidate who has made an important contribution to knowledge and who has satisfied the following by-laws and regulations made in accordance with these by-laws.

Qualifications

2. A candidate for registration for the degree of Ph.D. shall:
   (i) hold an honours degree from the University of Newcastle; or
   (ii) hold an honours degree of equivalent standing from an approved university; or
   (iii) if he holds a degree without honours from the University of Newcastle or an approved university, have achieved by subsequent work and study a standard required by the Faculty Board; or
   (iv) in exceptional cases, submit such other evidence of general and professional qualifications as may be approved by the Faculty Board.

Registration

4. A candidate for registration for a course of study leading to the degree of Ph.D. shall:
   (i) apply to the Vice-Principal 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 and of reporting to the Faculty Board at the end of the course on the merits of the candidate's performance in the prescribed course of study.

Course of Study

5. Subsequent to registration the candidate shall pursue a course of advanced study and research for at least nine academic terms, save that:
   (i) a candidate who is not fully engaged in research work for his degree will be required to satisfy the Head of the Department concerned on the amount of time he can devote to research work for the degree; and he may not proceed to the degree
before the expiration of ten academic terms from the date of registration as a candidate.

(ii) any candidate who before registration was engaged upon research to the satisfaction of the Faculty Board, may be exempted from three academic terms.

6. 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 Faculty Board.

7. 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 Faculty Board, or under such conditions as the Board may determine, save that a candidate may be granted special permission by the Faculty Board to spend a period of not more than three academic terms in research at another institution approved by the Faculty Board.

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

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

**Thesis**

10. On completing his course of study every candidate must 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 and reach a satisfactory standard of literary presentation.

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

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

13. 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.

14. It shall be understood that the University retains the 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 (1912-1980) the University may issue the thesis in whole or in part in photostat or microfilm or other copying medium.

**Entry for Examination**

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

DEPARTMENT OF CLASSICS

Courses

GREEK

Elementary Greek (4 hours per week)

Greek for beginners without previous knowledge.

Prescribed Texts:

- Donaldson, Greek Grammar, Xenophon, Cyropaedia II, Euripides, Aesop (Macmillan).

Greek I:

- Euripides, Medea, D. L. Page, O.U.P.
- Plato, Republic Bk. I, D. J. Allen.

Greek II:

- Homer: Odyssey I—XII, W. B. Stanford (MacMillan), Aeschylus, Persae, Broadhead, O.U.P.
- Thucydides, Bk. II, Marchant (MacMillan).

Additional for Honours:

- Attic Orators, Selection, R. C. Jebb (MacMillan).

Greek III: As for Greek II Honours.

LATIN

Elementary Latin (4 hours per week).

Latin for beginners without previous knowledge.

Prescribed Texts:

- A First Year Latin Book, O. N. Kelly (E. J. Dwyer).

Latin I (6 hours per week)

Unseen translation, Prose Composition and Grammar.

Study of Prescribed Texts.

- Livy, Bk. XXX—Butler and Scullard.
- Catullus, Carmina, R. A. B. Mynors, O.C.T.
- Ovid, Metamorphoses XIV, W. M. Wilson.
- Vergil, Eclogues & Georgics, T. E. Page (MacMillan).

Latin II (Pass and Honours—6 hours per week).

Unseen Translation and Prose Composition.

Study of Prescribed Texts.

- Roman History and Latin Literature of the Republic.
- Propertius, Book III, W. A. Camps.
- Lucretius, Bk. I, J. D. Duff (Pitt Press).

Additional for Honours:

- Scriptores Rei Rusticae, W. D. Ashworth (cyclostyled).

Latin III (Pass and Honours—7 hours per week)

As for Latin II Honours above.

Additional for Honours:

One topic from Latin IV Syllabus.

Latin IV:

Roman Historiography.

Slaeke and Epicureans.

Horace as a Lyric Poet.

Cicero, Letters, How and Clarke (2 vols.), O.C.T.

DEPARTMENT OF ECONOMICS

The units in the Arts degree are arranged on a different basis from the B.Com. degree. However, the first year Economics I is common to both degrees. This is not the case with Arts Economics II and Arts Economics III. Hence, undergraduates in the Faculty of Arts attempting stages II and III should state the title of their units as, for example, Arts Economics II, to ensure correct identification.

The arrangements of the various Arts units in Economics are set out fully below.

In 1963 revised courses were introduced for the Economics units in the Bachelor of Arts Degree. Nearly all undergraduates are taking the new units shown below.

However, those who passed Economics I or Economics II in 1962 or earlier years will be required to take the transfer units Economics IIT or Economics IIIT. In a number of cases students transferring from other universities to Newcastle will be directed to take the transfer units rather than the normal stream; this applies particularly to those students from other universities who took a general introductory principles unit in their first year elsewhere.

Book lists should be collected from the Department in February.

MAIN SUBJECTS

Economics I:

(a) Microeconomics.

(b) Elementary Economic Statistics.

Economics II:

(a) Macroeconomics.

(b) Money, Credit and Financial Institutions.

- Except that a student may, with permission of the Head of the Department, substitute Commerce Statistics, Statistical Analysis I, or Elementary Mathematical Economics for this subject.

(c) Honours Course: undergraduates proceeding to a degree with Honours will be required to investigate more intensively the subjects listed above.

Economics III:

(a) Economic Fluctuations and Growth.

(b) Public Economics.

(c) International Economics.

- Except that an undergraduate may, with permission of the Head of the Department of Economics, substitute Money, Credit and Financial Institutions, Statistical Analysis I, Mathematical Economics I, Commerce Statistics, Elementary Mathematical Economics, Econometrics or Labour Economics for one of the three subjects listed.

(d) Undergraduates proceeding to a degree with Honours, other than those attempting two Stage III Distinction units in the one year, are required to take an additional subject, approved by the Head of the Department of Economics, from Statistical Analysis I, Mathematical Economics I, History of Economic Thought, Industry Economics, Seminars in Economic Theory and Problems, Econometrics, or Labour Economics.
forms and other statements completed by undergraduates. Economics to those undergraduates who passed Economics I or Economics II at the Department has been received. -

**Economics III T:**
- (a) Microeconomics.
- (b) Money, Credit and Financial Institutions.
- (c) Honours Course: undergraduates shall take one of Labour Economics, or Commerce Statistics.

**Economics II T:**
- (a) Macroeconomics.
- (b) Public Economics.
- (c) International Economics.

Except that in 1966 an undergraduate may, with the permission of the Head of Department, substitute one or other of the two subjects listed under (b) and (c) above.

**Honours Course:** (i) One of Labour Economics, History of Economic Thought, Seminars in Economic Theory and Problems, and Commerce Statistics as approved by the Head of Department.
(ii) Additional work related to Macroeconomics.

**SUBJECTS OFFERED IN 1967**

In 1967 the following subjects will not be offered by the Department of Economics:
- Elementary Mathematical Economics.
- Industry Economics (except as part of Advanced Economic Analysis).
- Mathematical Economics I.
- Statistical Analysis I.
- History of Economic Thought (except as part of Advanced Economic Analysis).

**DESCRIPTION OF SUBJECTS**

**Microeconomics (3 hours per week)**

This subject deals with the theory of value and distribution. The course begins with a brief introductory account of the major problems of economics and the methods of economic analysis. It then reviews the theory of individual and market demand. After an analysis of the production function and costs of production, it examines the theory of firms' price and output policies in different market situations, paying attention to the results of both theoretical and empirical studies. The final section is concerned with the analysis of pricing and employment of factor services.

**Elementary Economic Statistics (2 hours per week in 1st and 2nd Terms)**

This course is an introduction to some topics which are not only interesting in themselves but which serve as a basis from which more advanced courses (such as Commerce Statistics) are developed.

The theoretical content includes an introduction to the elementary calculus of algebraic functions, the notions of sample and population, the notions of statistic and parameter, the concept of expectation, the mean and variance (in terms of expectation) of any discrete distribution, simple linear regression and correlation.

The applied aspects of the course will include price and quantity index numbers, and seasonal variations in economic phenomena. There will be no formal lectures on sources and graphical presentation—these last two items will be covered by the student's own activity and he will present his results in tutorials.

**Macroeconomics (3 hours per week)**

The course deals with the determination and measurement of the levels of income, employment and economic activity in mature capitalist or mature semi-controlled economies.

Initially, models of closed laissez-faire systems are introduced and the connections between the major aggregate economic variables are outlined. This part includes consideration of the factors bearing on two major components of aggregate demand: consumption and investment, as well as those influencing aggregate supply.

Following this, is an examination of some aspects of trade cycles, of economic growth, and of inflation.

The external sector and the government sector are incorporated towards the end of the course.

Techniques of measuring various significant aggregates are discussed in the section on National Income Accounting.

**Public Economics (1½ hours per week)**

Public economics is a study of government intervention in the economy through the budget. It is generally concerned with taxes and with government expenditure. The impact of taxes upon enterprise, saving and work effort is examined. There is a discussion of possible tax methods, notably the expenditure tax and the capital gains tax.

The relation between the budget and full employment is examined at length. Topics covered include the notion of capacity to pay taxes, the multiplier impact of balanced budgets, the use of indirect and direct taxes to cut inflationary gaps, and the use of government expenditure programmes to curb structural unemployment.

The role of public finance in economic growth is investigated. Earlier contributions, in particular those of Ricardo and Wicksell, are used as an introduction. Further work develops upon some theorems of economic growth and forms of the production function.

**International Economics (1½ hours per week)**

This course consists of three sections. The first deals with balance of payments analysis and policy, and examines the international trade multiplier, fixed and variable exchange rates and direct controls. The second reviews the "pure" theory of international trade and then
studies certain theoretical and applied problems, such as protection and foreign investment, with special reference to Australia. The third section is concerned with a description and assessment of some international institutions and a discussion of major problems of the world trade and payments system.

**Fluctuations and Growth (2 hours per week)**

This course analyses the problem of economic fluctuations and growth. The various tools and concepts employed in such analysis are first treated; and this is followed by an examination of the theories of Harrod, Hicks, Duesenberry, amongst others. Particular emphasis is given to the application of these theories to the problem of a growing economy. The course ends with an examination of economic development in selected countries in the Pacific area, Asia, the Middle East and Europe.

**Labour Economics (2 hours per week)**

The course serves as an introduction to the wider field of industrial relations, with emphasis on those aspects where economic studies may be most profitably applied. The following topics are dealt with: theories of organised labour; the history of trade unionism in Australia; the goals and methods of trade unions—an international comparative study; the structure of the modern corporation and its implications for industrial relations; the distribution of the national product—theories of the determination of general wage and profit shares; the determination of individual wages; wage determination in Australian arbitration; alternate systems of industrial dispute settlement; the strike pattern in Australia.

**Seminars in Economic Theory and Problems (2 hours per week)**

Weekly seminars are held, at which students present papers relating to particular areas of contemporary controversy in economic theory and policy. The course is designed for senior students, and its content may vary from time to time according to the interests of those involved. In 1967 the material will be directed to the Report of the Committee of Economic Enquiry.

**Money, Credit and Financial Institutions (2 hours per week)**

This course is aimed at a technical appreciation of the mechanisms and significance of financial and banking institutions and governmental monetary policies in Australia, the U.S.A. and the U.K.

The analysis falls into three parts. The first concerns the financial and banking institutions of the three selected economies emphasizing institutional differences and their effect upon monetary techniques. The main international financial institutions, I.M.F., I.B.R.D., and B.I.S. are also reviewed.

The second part deals with the theory of money and monetary macroeconomics. It considers such topics as the demand for money, interest rates and quantity of money in their Classical, Keynesian and post-Keynesian treatment.

The third part deals with monetary policy in theory and with specific reference to the post-war experience of Australia, the U.S.A. and U.K. Problems of the international payments system are briefly reviewed in their relation to the I.M.F.

Econometrics (3 hours per week)

A knowledge of elementary calculus and of statistics covering at least those topics in the Commerce Statistics course is a prerequisite for reading Econometrics. The content includes elementary matrix algebra, the two-variable linear model and extensions of it, errors in variables, autocorrelation, an introduction to the theory of games and simple linear programming.

Advanced Economic Analysis (8 hours per week)

This subject comprises four units of two hours per week each over the academic year. For 1967 these units comprise Welfare Economics, Industry Economics, Economic Development and History of Economic Thought.

(a) Welfare Economics

In the first term the theorems of the New Welfare Economics are examined. These include the necessary and sufficient conditions for policy changes, the desirability of perfect competition and the evaluation of consumption and national income. In addition the desiderata for various forms of decision-making machinery are examined in relation to the preference orderings of social states by persons.

Classical and neo-classical theories of welfare economics are analysed and comparison is drawn between them and the New Welfare Economics. Included are theories of Adam Smith, John Stuart Mill, Alfred Marshall, A. C. Pigou and V. Pareto. In the latter part of the course some more recent discoveries are introduced to include the theory of the second best and quantitative assessment of welfare changes.

(b) Industry Economics

The first part of the course begins with a discussion of decision-making within the firm. Recent developments in the theory of the firm, particularly in oligopoly theory, are examined in detail. The second part examines some aspects of industrial structure, the significance of concentration ratios, the effects of monopolies, and restrictive practices. In the third part attention is directed to aspects of innovation and technical progress, and the effects of trade, overseas investment and technical progress upon the industrial structure.

(c) Economic Development

This course is an extension of the third year work in Fluctuations and Growth. The work involves an analysis of more advanced theories of economic growth and their applications. Comparative work on development under different political systems will be incorporated in the empirical aspects of the study.

(d) History of Economic Thought

The course is designed to provide historical perspective for advanced students on the subject matter of their earlier courses in economic analysis. In historical sequence, the following contributions are examined: Greek economic analysis; the early and later Scholastics; Mercantilism; Physiocracy; Adam Smith; David Ricardo and the Ricardians; the anti-Ricardian tradition; W. S. Jevons and marginal utility theorists; Leon Walras and the concept of general equilibrium; the Austrian school—Menger von Wieser, Bohn—Bawerk; Alfred Marshall; Knut Wicksell; American contributions; the development of trade cycle theory.
Courses

EDUCATION I (Pass—3 hours per week)

A. History of Western Education (1 hour per week)
   A broad view of the major aspects of European educational practice and theory from ancient Greece to the present. The period since the Renaissance, which will occupy the second half of the year, will be treated in greater detail. No one textbook is prescribed, but students are advised to purchase a sound general history of education, such as that by E. P. Cubberley or by W. Boyd.

B. Educational Psychology (1 hour per week)
   A treatment of psychological data concerned with the broad fields of child growth and development up to late adolescence, and with the outcomes and conditions of learning. Throughout, emphasis will be placed upon the significance of the findings to the teacher in the classroom.

C. Research in Education (1 hour per week)
   This strand seeks to prepare the student to examine reported research with an informed and critical approach. It will cover:
   (a) Elementary statistical concepts.
   (b) Criteria of scientific observation.
   (c) Hypothesis.
   (d) Research Methods.
   (e) Sampling Theory.
   (f) Statistical Inference.

EDUCATION I (Honours—2 hours per week)

A. Education Psychology (Honours)—1 hour per week
   A more advanced treatment of material in the pass course including an examination of learning theories, serial and transfer phenomena, problem solving and thinking.

B. History of Education in New South Wales (1 hour per week)
   This course will treat the history of some major strands or themes in N.S.W. education from 1788 to the present. These strands will include the control of education, the development of the curriculum, the evolution of the examination system, changes in educational psychology, and the philosophy and aims of N.S.W. education. No one textbook is prescribed, but students should obtain at least one book relating to the history of education in New South Wales. The pass examination will consist of three two-hour papers and the distinction course will be examined by a third paper of three hours.

EDUCATION II (Pass and Honours—4 hours per week)

A. Comparative Education (1 hour per week)
   A study of the education systems of U.S.A., England, France, U.S.S.R., West Germany, and of a selected Asian country. Each of the systems will be compared with that of N.S.W.

B. Educational Psychology (1 hour per week)
   An examination of the determinants of personality, various approaches to personality description, the nature and origin of attitudes and the common means of making personality and attitude assessment.

C. The Curriculum (1 hour per week)
   The theory of curriculum construction and a comparison of modern and past theories. Extensive reading of various curriculum reports will be expected and, in addition, co-operative study will be undertaken of recent research in curriculum construction.

D. Tutorial Hours (1 hour per week)
   One hour will be spent each week in tutorial work distributed over the three strands of the course. Some of the work will be conducted in seminar fashion and will aim at research reading.

EDUCATION II (Honours—2 hours per week)

The distinction course will consist of seminars on modern problems in the fields of secondary and tertiary education. A second strand of the distinction course will deal with research in education and will extend the work done in Education I (Honours) to give instruction in the designing, planning, carrying out, and reporting of educational research. It will be a detailed course preparing the student to carry out an independent piece of research work as part of the requirement for Honours during the following year.

EDUCATION III (Honours Year—6 hours per week)

The candidate for Honours in Education will be expected to attend lecture/seminars as follows:

- Part B: Research in Education.
- Part C: Independent study of a field of education chosen in consultation with the Head of the Department of Education within the University.

In addition the student must submit two major pieces of written work:
   (i) An investigation of a special problem chosen in consultation with the Head of the Department of Education.
   (ii) A critical survey of the work of one educator.

DIPLOMA IN EDUCATION COURSES

(In association with Newcastle Teachers' College)

I: FOUNDATIONS OF EDUCATION (7 hours per week)

- The course in foundations of education will consist of four strands. One of these, Education IA, will deal with general principles of teaching practice and will discuss such problems as class control, testing, professional attitudes, and similar matters. The
second strand. Education IB, will survey the practice and theory of education in New South Wales from 1788 to date. The third strand, Education IIA, will deal with education psychology, and child development. The fourth strand, Education IIB, will deal with the elements of research in education.

The complete subject will be examined by two papers each of three hours' duration. The first paper will cover the work of Education IA and IIB and the second paper will cover the work of Education IIA and IIB.

A problem may arise if students enter these courses with a considerable background of knowledge because they have done work in Education and/or Psychology as part of their undergraduate work. If this situation arises, suitable alternative courses will be provided. The alternative courses will be as follows:

Education IA: No alternative needed.
Education IB(a): History of Education in the 20th century.
Education IIA(a): The Education of Exceptional Children.
Education IIB(a): Research Reading.

Each of these alternative courses may be examined in a manner similar to that set down for the original course, or instead, they may be examined by the production of regular class assignments or any other suitable and satisfactory method of evaluation.

For students electing primary or infant teaching it will be necessary to conduct additional seminars discussing developmental problems appropriate to the particular age group.

II: HEALTH AND PHYSICAL EDUCATION

Part A: Physical Education

A study of the general principles and practice of Physical Education, team games and sports, together with regular practical experience related to the teaching of Physical Education and supervision of sport in schools.

Part B: Health Education

This course will entail a study of school health and school hygiene to prepare the student for his work as a teacher. Demonstrations and practice in First Aid will be conducted. The recognition of the common diseases of childhood and adolescence, the action the teacher should take to help prevent the spread of these diseases, and the responsibility of the teacher with regard to the health of his pupils, will be dealt with.

III: SPEECH TRAINING

(a) For Students Studying English Method

The aims of this course are to study the objectives and methods of teaching speech in schools to bring about improvement in the student's own speech and to provide each student with a basic knowledge for teaching good speech.

(b) For Students not Studying English Method

Each student will be required to pass a test in speech aimed at testing the effectiveness and acceptability of his speech. The course will be mainly practical and questions of theory will be considered as the need arises. However, every student will be required to study some of the principles of good speech and voice production as far as these affect both his own effectiveness as a teacher and his ability to encourage good speech habits in his pupils.

(c) Drama

Each student will devote an hour each week to the study of the art of play-production. Each student will be required as practical work to take part, either on the production or the acting side, in the staging of at least one play. No written examination is required, as all students will be judged on practical work.

IV: METHODS

Special Secondary Methods

(i) English Method

A study of the aims and methods of teaching English in the secondary school including the problems associated with the teaching of written English, spelling, reading, oral expression, literature, and the drama. The course in English Method includes Drama and the use of Drama as a teaching procedure. Practical ability in this field will be assessed in conjunction with the Drama Course outlined as Part III (c) above.

(ii) History Method

A study of the aims and methods of teaching history in the secondary school. Topics to be treated include: the history curriculum, programming, types of lessons, teaching aids, textbooks and source material, pupils' notebooks, examining, current affairs, local history, and social studies.

(iii) Geography Method

The course aims to prepare students for the teaching of Geography and Social Studies in secondary schools. It will consist of lectures, seminars, discussions, demonstration, and practical work.

(iv) French Method

A study of the aims and methods of teaching French in the secondary schools.

(v) German Method

A study of the aims and methods of teaching German in the secondary schools.

(vi) Latin Method

The course is designed for those who have followed University courses in Latin. It includes lectures, demonstration lessons in school and student seminars. Aims and methods of language teaching will be examined in the light of modern linguistic theory: programmes and lesson types, with techniques appropriate for presentation in both junior and senior classes, will be examined.

Opportunity will be provided for students to practise an acceptable standard of pronunciation; an oral test, requiring reasonable facility in dealing with quantity and rhythm will form part of the examination.

Copies of Latin Syllabuses will be supplied.

(vii) Greek Method

As for Latin Method.
(viii) Commercial Method

The course covers the aims and methods of teaching commercial subjects in the secondary school. The subjects concerned are Book-keeping, Business Principles, Accountancy, Economics. All students who have not taken Accountancy and Commercial Law during their degree courses will be required to spend an additional hour each week studying the fundamentals of Book-keeping and Business Principles.

(ix) Junior Mathematics Method

The course consists of two parts, (a) lectures and demonstrations on the method of teaching secondary school mathematics with particular emphasis on the first four years, and (b) lectures designed to broaden the student's background knowledge of mathematics, its history and social importance.

(x) Senior Mathematics Method

An extension of the above course with emphasis on the work in the last two years of secondary school, and a review of modern approaches to mathematics.

(xi) Junior Science Method

The teaching of physics and chemistry to pupils in the first four years of the secondary school. A study will be made of the problems of teaching theoretical materials and special emphasis will be placed upon the importance of a sound approach to practical and demonstration work.

(xii) Senior Science Method (Physical Sciences)

The course is available normally only to students who are studying Junior Science Method also, as the two lecture series are integrated as much as possible. It aims to provide background material, historical and social, as well as scientific, to the teaching of senior physics and chemistry. There are also discussion, illustration and demonstration of methods of presentation of material appropriate to this level together with a critical analysis of the present syllabuses.

(xiii) Guidance Method

This course is designed to acquaint the student with the Guidance services of the Department of Education in their administrative and operational aspects. A knowledge of common psychological disorders found in the school child is necessary. Students attempting this course should have a background of at least two years' formal study of Psychology at University level.

(xiv) Library Science Method

This course is intended for students whose experience and inclination suggest they could assume the duties of school librarian. It will cover general library practice, and those special aspects which pertain to school libraries.

(xv) Primary Method

A comprehensive study of the methods of teaching suited for children in the Primary School including the psychological principles underlying teaching methods and familiarity with the content material of the N.S.W. curriculum for Primary Schools.

(vi) Infant Method

A comparative study of the methods of teaching suited for children in the Infant School including the psychological principles underlying teaching methods and familiarity with the content material of the N.S.W. curriculum for Infant Schools.

V: SPECIAL STUDIES

Part A: Biological Science

The course is intended to provide a background of biological knowledge for science teachers who have not included these studies in their degree courses as all science teachers may be called upon to teach biology.

OR

Part B: Special Thesis

This special thesis should be a considerable piece of work engaging the attention of the student throughout the whole year. It should be an independent study along the lines of the student's speciality. While it will normally be done in the field of one or other of the student's teaching methods, permission may be granted for the work to be done in one of the foundation subjects.

The student is required to give thought to the topic of the thesis early in his course and discuss it with his mentor. Written approval must be sought for the choice of topic, and progress must be reported regularly. The thesis must be submitted for marking on or before the date of commencement of Annual Examinations.

OR

Part C: Social Studies Method

This is a course of two hours per week and is an alternative to the special thesis. Special theses are not accepted in history, geography, or commerce, and students taking two of these three method courses (history, geography or commerce) will probably find it of advantage to enrol in this course. It includes: the nature of social studies, programming in social studies, development of study skills, marking of essays and examination questions, and the use of audio-visual aids.

VI: PRACTICAL TEACHING AND DEMONSTRATIONS

Suitable practical teaching and demonstrations will be arranged to provide an opportunity for each student to develop teaching skill.

Demonstrations

Demonstrations are arranged as part of each method course and, in addition, some further demonstrations are arranged in connection with courses on General Principles of Teaching and Educational Psychology.

Teaching Experience

All students are required to undertake three periods of teaching practice in schools. Of these, two weeks will be spent in Home Practice in the Summer Vacation before University term begins. The other two periods will be supervised by Teachers' College staff.

A satisfactory standard of practical teaching skill must be reached for the award of the Diploma.
DEPARTMENT OF ENGLISH

Courses

ENGLISH I (Pass—3 hours per week)

English I is planned as an introductory course. Students who complete it should be equipped to read more widely and intelligently on their own and to undertake the more specialised studies of English II. The course is divided into two parts:

LANGUAGE

This part of the course is designed to introduce students to some of the more important branches of knowledge of the English Language, and to lead them to a modern attitude towards English usage and its problems. The course will consist of four interrelated segments:

(a) A History of the English Language.
(b) Elementary Semantics.
(c) Grammar and Usage.
(d) Phonetics and the sounds of Australian English.

LITERATURE—Poetry, Drama, the Novel

This part of the course is designed as an introduction to the major forms of English literature. The set texts will be studied both historically and critically and will be used also as a basis for examining certain general problems in literary and critical theory. Students are recommended to obtain Legous and Cazamian's History of English Literature (Dent).

Poetry: Metaphysical Poetry (Penguin) and the poetry of Hopkins, Yeats, Eliot and Auden will be studied in detail. Students are also required to obtain Cross and Marsh: Poetry: Reading and Understanding (Cheshire).

Drama: Shakespeare: Richard II
          Twelfth Night
          Macbeth
          The Winter's Tale (Signet or American Penguin)
Ibsen:    Hedda Gabler (Penguin)
Sygne:    The Playboy of the Western World (Everyman Plays and Poems)
Beckett:  Waiting for Godot (Faber)
Thomas:  Under Milk Wood (Dent)
Osborne:  Look Back in Anger (Faber)
Pinter:   The Caretaker (Methuen)

ENGLISH II (Pass and Honours—3 hours per week)

English Literature, 1630-1860.
The prescribed reading will include:
(i) the poetry of Milton, Dryden, Pope, Burns, Blake, Coleridge, Wordsworth, Keats, Shelley and Byron;
(ii) Novels: Swift: Gulliver's Travels (Signet)
            Richardson: Pamela
            Fielding: Tom Jones (Penguin)
            Smollet: Humphry Clinker
            Austen: Persuasion
            Peacock: Headlong Hall; Nightmare Abbey; Crochet Castle
            Bronte: Wuthering Heights
            Dickens: Bleak House
            (iii) Restoration Comedy: the plays of Etherege, Wycherley and Congreve.
            Chaucer: The Parliament of Fowls, selected Canterbury Tales (General Prologue, Nun's Priest's Tale, Wife of Bath's Prologue and Tale, Pardoner's Prologue and Tale).
            The study of Chaucer will embrace linguistic as well as literary aspects of his writings.

Additional for Honours
(a) Linguistic Studies, including Old and Middle English:
            Sweet's Anglo-Saxon Reader, revised Norman Davis. Oxford.
(b) The Augustan Age.
(c) Jacobean Tragedy.

ENGLISH III (Pass and Honours—3 hours per week)

(a) Modern Literature
The prescribed reading will include:
(i) Modern Poetry—Hopkins, Hardy, Yeats, Eliot, Auden, Hughes, Gunn and Lowell;
(ii) the plays of Yeats, Synge, Shaw, O'Neill, O'Casey, Eliot;
(iii) the novels of Joyce, Lawrence, Faulkner, plus selected novels by Forster, Hemingway and Beckett.

(b) Shakespeare: Romeo and Juliet, Richard II, Henry IV, Parts I and 2, Hamlet, Othello, King Lear, Anthony and Cleopatra, Coriolanus.

Additional for Honours
(a) Linguistic Studies, including Old and Middle English.

(b) Victorian Poetry and Prose.

(c) 19th Century American Literature.

ENGLISH IV
2. Middle English.
5. Shakespeare and other 16th and 17th Century Dramatists.
6. 16th and 17th Century Poetry and Prose.
7. 20th Century American Literature.
8. Practical Criticism.

Students offering the Language option will take 1, 2, 3, 4; students offering the Literature option will take 5, 6, 7, 8. Other course work will be prescribed.

DEPARTMENT OF FRENCH

Description of Subject

FRENCH I (Pass—5 hours per week)
(i) The history and literature of nineteenth century France; an introductory study based on the reading of prescribed texts (one lecture weekly).
(ii) Translation and explanation of prescribed texts, including one twentieth century text, with an introduction to French versification (one lecture weekly).
(iii) Exercises in translation from English into French, with some unseen translation from French into English (one lecture weekly).
(iv) The phonetics of French, with practical exercises (one lecture weekly).
(v) Oral French; reading, conversation and dictation (one hour weekly).
The writing of three short essays in French.

FRENCH II (Pass and Honours—5 hours per week)
(i) The literature of seventeenth century France, based on the reading of prescribed texts (one lecture weekly).
(ii) Translation and explanation of prescribed texts (one lecture weekly).
(iii) Explanation in French of prescribed texts (one lecture weekly).
(iv) Exercises in translation from English to French, with some unseen translation from French into English (one lecture weekly).
(v) Oral French; reading, conversation dictation (one lecture weekly).
(vi) Special literary study of the twentieth century French theatre of the absurd (tutorial groups to be arranged).
The writing of three short essays in French.

Additional for Honours: (3 hours per week)
(i) The literature of medieval France.
(ii) Translation and explanation of medieval French texts.
(iii) The history of the French language.

FRENCH III (Pass and Honours—5 hours per week)
Lectures, exercises and prescribed books as for French II Pass.
(vii) Literary study of a special subject (tutorial groups to be arranged). For 1967—Pascal and Jansenism.

Additional for Honours: (3 hours per week)
(i) The literature of sixteenth France.
(ii) Translation and explanation of sixteenth century French texts.
(iii) The history of the French language.

FRENCH IV (5 hours per week)
(i) Modern French poetry (one lecture weekly).
(ii) The modern French novel and drama (one lecture weekly).
(iii) The social and intellectual history of France from 1870 to the present day (one lecture weekly).
(iv) A study, literary and philological, of two medieval French texts (two lectures weekly).
A thesis in French on some aspect of French literature or language.
DEPARTMENT OF GEOGRAPHY

Courses

GEOGRAPHY I: (Pass—4 hours per week)

The elements of Geography
A course of about 60 hours of lectures with associated tutorials, practical exercises and four days of field work as an integral part of the course.
A final examination of two papers; each of three hours.

GEOGRAPHY II: (Pass and Honours—4 hours per week)

There are two strands to this course, one of which is concerned with aspects of human geography, the other with aspects of physical geography. The course includes ten days field work.

(a) Economic and Social Geography
A course of about 60 hours of lectures with associated seminars, practical exercises and field work. A final examination of three hours.

(b) Physiography
A course in climatology and geomorphology of about 60 hours of lectures, and associated seminars, practical exercises and field work. A final examination of three hours.

Additional for Honours (3 hours per week)

(a) A weekly Honours seminar in the courses listed above.
(b) A course of about 45 hours of seminars, and practical exercises with associated field work.

GEOGRAPHY III:

There are four strands in this course. One of these advances work in Historical Geography. The second investigates the concept of the water balance and the problems of water resource use. The third and fourth strands are studies of man-land relationships in two areas of close proximity but differing cultural backgrounds. One is a study of South East Asia and stresses the problems of economic development in this area. The other studies Australia and reviews developmental problems and projects on this Continent. The course includes ten days field investigation in the May vacation.

(a) Historical Geography
A course of about 30 hours of lectures and associated seminars. A final examination of three hours.

(b) The Water Balance and Water Use
A course of about 30 hours of lectures and associated seminars and field work. A final examination of three hours.

(c) South East Asia
A course of about 30 hours of lectures and associated seminars. A final examination of three hours.

(d) Australia
A course of about 30 hours of lectures and associated seminars. A final examination of three hours.

Additional for Honours

The History and Method of Geography.

GEOGRAPHY IV: (Honours—3 hours per week)

This course is planned as an introduction to research work in Geography. During the course, each student is required to submit a thesis embodying the result of an original investigation on a subject approved by the Head of the Department of Geography.

In addition, the seminars and field work will be offered in the systematic topics listed above for Geography III (Honours). Students must choose two of the three courses offered.

GEOGRAPHY BOOK LIST

GEOGRAPHY I


GEOGRAPHY II

(a) Economic and Social Geography

(b) Physiography

Additional for Honours


GEOGRAPHY III

(a) Historical Geography

(b) The Water Balance and Water Use
U.S. Department of Agriculture Year Book 1955—Water.

(c) South East Asia

Additional for Honours

DEPARTMENT OF GERMAN

Courses

ELEMENTARY GERMAN (5 hours per week)
This course is intended for students with no previous knowledge of German. It may be counted as a Qualifying Course if followed by German I and II.

GERMAN I (Pass—6 hours per week)
The modern German Scene:—geography, culture and politics
(Term I and II only) ... ... 1 hr.
Translation, Oral and Language Laboratory work ... 2 hrs.
Survey of German literature from OHG to the 20th century, illustrated from anthologies ... ... 2 hrs.
Introduction to the study of selected texts ... 1 hr.
Methodology ... ... ... ... ... ... ... ... 1 hr.

GERMAN II (Pass—6 hours per week)
German Culture (Term I only) ... 1 hr.
Special topics in Philology and Linguistics (Term II only) ... 1 hr.
Practical Criticism (Term III only) ... ... 1 hr.
Translation, Oral and Language Laboratory work ... ... 2 hrs.
Survey of particular authors, movements, periods or genres.
Detailed work on selected texts—
18th century ... ... ... ... ... ... ... ... 1 hr.
19th century ... ... ... ... ... ... ... ... 1 hr.
20th century ... ... ... ... ... ... ... ... 1 hr.

Distinction (3 hours; German II and III together)
Selected topics in Late Medieval, Baroque and 20th century Literature ... ... 2 hrs.
Methodology ... ... ... ... ... ... ... ... 1 hr.

GERMAN III (Pass—6 hours per week)
Translation, Oral and Language Laboratory work ... ... 2 hrs.
Further Literary Study
12th—13th centuries ... ... ... ... ... ... 1 hr.
18th century ... ... ... ... ... ... ... ... 1 hr.
19th century ... ... ... ... ... ... ... ... 1 hr.
20th century ... ... ... ... ... ... ... ... 1 hr.

GERMAN IV (Honours—4 hours per week)
Translation, Oral and Language Laboratory work ... ... 2 hrs.
Special study, with thesis, on a literary or philological subject approved by the Department ... ... 1 hr.
Seminar ... ... ... ... ... ... ... ... ... ... 1 hr.

GERMAN BOOK LIST

ELEMENTARY GERMAN
Glossar Deutsch-Englisch (Heuber).
Russon: Complete German Course for First Examinations (Longmans).
Hagboldt, P.: Heath Chicago German Series Readers 1, 2, 3, 12 and 13 (Heath).
Steinhauer, H.: ed.: German Stories—Deutsche Novellen (Bantam).

GERMAN I
(a) Translation etc.:—
Yuill, W. and Kolisko, G.: Practice in German Prose (McMillan)
(b) Survey:
Schmitz-Göres: Abriss der deutschen Literaturgeschichte in Tabellen (Athenium).
Anthology of Early Prose and Poetry (Supplied by the Department).
Farrell et al: German Speaking Countries Today and Yesterday (Novak).

(c) Selected Texts:
Schiller: Die Räuber (Blackwell).
Hoffman: Der goldene Topf (Blackwell).
Droste-Hülshoff: Die Judenbuche (Harrap).
Keller: Die drei gerechten Kammacher in: Die Leute Von Seldwyla (Goldmann).
Brecht: Die Kolendergeschichten (Rowohlff).
Kirchhoff ed.: Deutsche Gegenwart (Hueber).
Mörike: Poems (Blackwell).
Mann Th.: Tonio Kröger (Blackwell).
Fontane: Frau Jenny Treibel (Janus Bibliothek der Weltliteratur).
Heine: Die Harzreise (Reclam).
Eichendorff: Aus dem Leben eines Taubenichts (Harrap).
Gotthelf: Die schwarze Spinne (Blackwell).

GERMAN II
Leasing: Minna von Barnhelm (Nelson).
Hamburgische Dramaturgie (Selection supplied by Department).
Goethe: Tasso (Blackwell).
Faust I (Bücher der Neunzehn).
Poems (Blackwell).
Die Wahlverwandtschaften (Goldmann).
Kleist: Novellen (Goldmann).
Penthesilea (Goldmann).
Keller: Die Leute von Seldwyla (Goldmann).
Hebbel: Judith und Holofernes (Reclam).
New Poems (tr. Leishmann and Spender) (Hogarth).
GERMAN III
Sacker, H.: An Introductory M.H.G. Text (Harrap).
Inein (ed. Benecke).
Das Nibelungenlied (ed. de Boor) (Brockhaus).
Schiller: Wallenstein (Blackwell).
Don Carlos (Reclam).
Uber naive und sentimentliche Dichtung in "Schriften zur Philosophie und Kunst" (Goldmann).
Gedichte (Reclam).
Goethe: Gotz von Berlichingen (Goldmann; Jugenddramen).
Die Leiden des jungen Werthers (Goldmann).
Stifter: Der Nachsommer (Schwann).
Novalis: Heinrich von Ofterdingen (Goldmann).
Brentano: Kasparl und Annerl (Blackwell).
Tieck: Der blonde Eckbert (Blackwell).
Die Gedichte der Romantik (ed. Brink; Schneider).
Brecht: Mutter Courage (Suhrkamp).
Der kaumastische Kreidekreis (Suhrkamp).
Leben des Galilei (Suhrkamp).

Distinction (German II and III)
Ergriffenes Dasein (ed. Holthusen).
Das Atelier, Vol II (Fischer).
Wiesner (ed.): Realistik des Spatmittelalters Band III—Witensceiers Ring (Reclam).
Nietzsche: Geburt der Tragodie (Kroner Taschenausgabe).

GERMAN IV
List to be supplied by the Department.

REFERENCE BOOK FOR ALL YEARS
Der Sprach Brockhaus (Brockhaus).
Brockhaus Illustrated Dictionary (Pitman).
Cassell's New German Dictionary (Cassells).
ADDITIONAL FOR HONOURS

The Great Powers in the Pacific

This course of lectures and seminars will deal with the activities of the Western nations in the Pacific Ocean from the era of exploration and discovery on the eve of the First World War. Special attention will be given to the Pacific Ocean interests, during the nineteenth century, of France, the United States of America, England and Germany.

HISTORY IV

History of Political Thought

This course consists of lectures and seminars, and requires intensive study of the original sources and of secondary commentaries.

Australian History

The course of two hours per week treats at depth certain themes of Australian History, with particular reference to problems of interpretation. It consists of three sections: a series of lectures and discussions on one theme, a series of seminars on a second theme, and a number of seminars on various problems related to the particular interests of individual students. Students presenting papers for discussion are expected to make use not only of books, periodicals and other secondary sources, but also such primary material as contemporary writings, printed historical records, and parliamentary debates.

Historiography

This course in historical method (one hour per week) includes extensive reading from the works of such great historians as Herodotus, Thucydides, Gibbon, Macaulay, Buckle, Carlyle, Froude, Lecky, Ranke, Acton, Trevelyan and Toynbee.

Supplementary reading lists for all courses will be distributed to students at the beginning of first term.

PREScribed TEXTS

HISTORY I

British History

S. T. Rindoff: Tudor England (Penguin)
G. R. Elton: England under the Tudors (Methuen)
   The Tudor Revolution in Government (Cambridge U.P.)
D. L. Kier: Constitutional History of Modern Britain (A. & C. Black)
M. Ashley: England in the Seventeenth Century (Penguin)
   Christopher Hill: The Century of Revolution.
   Stephenson & Marcham: Sources in English Constitutional History.

European History

   Machiavelli: The Prince ( Mentor, paperback).
   The Reformation of the Sixteenth Century (Beacon, paperback).

HISTORY II

British History

D. L. Keir: Constitutional History of Modern Britain.
Sir Lewis Namier: Structure of Politics at the Accession of George III.
   Stephenson & Marcham: Sources in English Constitutional History.
T. S. Ashton: The Industrial Revolution.
   The Town Labourer (Guild Books, paperback).
D. Thomson: England in the Nineteenth Century (Pelican)
E. L. Woodward: The Age of Reform.
   E. Halevy: The Liberal Awakening.
   The Triumph of Reform.

European History

Grant & Temperley: Europe in the 19th and 20th Centuries.
D. Thomson: Europe since Napoleon.
A. Bullock: Hitler (Pelican)
C. Brinton: Anatomy of Revolution.
   Decade of Revolution (Torchbook, paperback).
   J. S. Schapiro: Liberalism and the Challenge of Fascism.

HISTORY III

Far Eastern History

The Mentor Books on Confucius, Buddha and Lao Tzu.
de Bary, Chan and Watson, eds.: Sources of Chinese Tradition.
   East Asia: The Modern Transformation.
K. S. Latourette: The Chinese, their History and Culture.
   H. Burton: Japan's Modern Century.
J. F. Cady: S.E. Asia, its Historical Development.
Australian History
C. Hartley Grattan: *The South-West Pacific to 1900.*
C. M. H. Clark: *Select Documents in Australian History* (2 vols.).
W. K. Hancock: *Australia.*

American History
Hofstadter, Miller & Aaron: *The United States, the History of the Republic.*
F. L. Allen: *The Big Change.*
R. A. Billington: *Far Western Frontier* (Torchbook).
F. J. Turner: *Frontier and Section* (Spectrum, paperback).

ADDITIONAL FOR HONOURS

The Great Powers in the Pacific
Recommended books include:
C. Hartley Grattan: *The South-West Pacific to 1900.*
The South-West Pacific since 1900. *The United States and the South-West Pacific.*
W. P. Morrell: *Britain in the Pacific Islands.*
J. P. Fairer: *L'Expansion française dans le Pacifique de 1800-1842.*
A. P. Thornton: *Doctrines of Imperialism.*

HISTORY IV

History of Political Thought
G. H. Sabine: *A History of Political Theory.*
C. H. McIlwain: *The Growth of Political Thought in the West.*
A. P. d'Entreaves: *The Medieval Contribution to Political Thought.*
Plato: *The Republic.*
Aristotle: *Politics.*
St. Augustine: *The City of God* (selected passages).
Dante: *De Monarchia.*
St. Thomas Aquinas: *Summa Theologica* (selected passages).
Machiavelli: *The Prince.*
The Discourses.
Hobbes: *Leviathan.*
Locke: *Of Civil Government.*
Rousseau: *Social Contract.*
Karl Marx: *Capital.*
Marx and Engels: *The Communist Manifesto.*
L. F. Crisp: *Australian National Government* (Longman's, paperback).
V. O. Key: *Politics, Parties and Pressure Groups.*
H. Finer: *Governments of the Greater European Powers.*

DEPARTMENT OF MATHEMATICS

The Department of Mathematics is officially in the Faculty of Science and the members of staff are listed in the Handbook of that Faculty.

Courses

MATHEMATICS I

A course of four lectures and two tutorial hours per week for three terms, covering the following topics:
Differential calculus, integral calculus and their applications: special functions; differential equations; number systems, matrices and determinants; introduction to groups and rings; co-ordinate geometry in two and three dimensions; introduction to vectors and their applications.

From time to time there is an option for students to take a course of more advanced lectures.

PURE MATHEMATICS II

A course of four lectures and two tutorial hours per week for three terms arranged on the following pattern:

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<th>Lecture</th>
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<tbody>
<tr>
<td>Term 1</td>
<td>Linear Algebra</td>
<td>Analysis</td>
<td>Calculus (several variables)</td>
<td>Vector Calculus</td>
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<td>A</td>
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<td>C</td>
<td>D</td>
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<tr>
<td>Term 2</td>
<td>Linear Algebra</td>
<td>Linear Algebra</td>
<td>Differential Equations</td>
<td>Complex Variable</td>
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<td>E</td>
<td>F</td>
<td>G</td>
<td>H</td>
</tr>
<tr>
<td>Term 3</td>
<td>Differential Geometry</td>
<td>Complex Variable</td>
<td>Differential Equations</td>
<td>Calculus</td>
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<td>K</td>
<td>L</td>
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PURE MATHEMATICS II HONOURS

The course consists of all the topics in Pure Mathematics II together with two lectures per week for three terms on topics including the following Analysis of the real number system, real variable theory; theory of groups and rings.

An essay on a general topic will also be required.

APPLIED MATHEMATICS II

A course of four lectures and two tutorial hours per week for three terms arranged in the following pattern:

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<tr>
<th>Lecture</th>
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<tbody>
<tr>
<td>Term 1</td>
<td>Dynamics</td>
<td>Dynamics</td>
<td>FORTRAN Programming</td>
<td>Probability</td>
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<td>N</td>
<td>P</td>
<td>Q</td>
<td>R</td>
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<tr>
<td>Term 2</td>
<td>Dynamics</td>
<td>Hydro-Dynamics</td>
<td>Numerical Analysis</td>
<td>Statistics</td>
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<td>T</td>
<td>U</td>
<td>V</td>
</tr>
<tr>
<td>Term 3</td>
<td>Dynamics</td>
<td>Hydro-Dynamics</td>
<td>Computing</td>
<td>Statistics</td>
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<td>W</td>
<td>X</td>
<td>Y</td>
<td>Z</td>
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</tbody>
</table>
APPLIED MATHEMATICS II HONOURS

The course consists of all the topics in Applied Mathematics II together with two lectures per week for three terms on topics including the following:
- Statistics: numerical analysis; elasticity; waves and vibrations; calculus of variations; probability.

THEORY OF STATISTICS I

A course of four lectures and two hours per week of tutorial and laboratory work for three terms comprising the following: Probability; variates; standard and sampling distributions; point and interval estimation; tests of significance; regression.

Note: This course will not be available in 1967.

MATHEMATICS II

A course of four lectures and two tutorial hours per week for three terms, comprising twelve modules selected from Pure Mathematics II and Applied Mathematics II as follows:

1st Term — Modules C D Q R.
2nd Term — Modules G H U V.
3rd Term — Modules L M Y Z.

Part-time students may take Mathematics II in two parts, each of two lectures per week for three terms.

Mathematics II, Part 1, comprises Modules C, D, G, H, L, M.

PURE MATHEMATICS III

A course of four lectures and two tutorial hours per week for three terms, comprising the following:
- Analysis of the real number system; real variable theory; metric topology; theory of groups and rings; general topology; complex variable theory; differential equations.

PURE MATHEMATICS III HONOURS

A course of six lectures and two tutorial hours per week for three terms, including topics from the following:
- Analysis of the real number system; real variable theory; metric topology; theory of groups and rings; general topology; complex variable theory; differential equations. Further work on topology, complex variable and differential equations; general algebra; functional analysis.
- An essay on a general topic will also be required.

APPLIED MATHEMATICS III

A course of four lectures and two tutorial hours per week for three terms, comprising the following:
- Calculus of variations; numerical analysis; mechanics of continuous media; Cartesian and general tensors; special relativity; statistics.

APPLIED MATHEMATICS III HONOURS

A course of six lectures and two tutorial hours per week for three terms, including topics from the following:
- Calculus of variations; numerical analysis; mechanics of continuous media; special relativity; statistics. Further work on numerical analysis and mechanics of continuous media; integral transforms; quantum mechanics; probability.

MATHEMATICS IV

A course extending over one full-time academic year, to be examined by a minimum of three papers, each of three hours' duration.

PART A—Lectures, reading-tutorial courses, and seminars, as required.

PART B—A thesis, i.e. a study under direction of a special topic using relevant published material and presented in written form.

RECOMMENDED BOOKS

MATHEMATICS I

Complementary Mathematics, edited by A. Keane and S. A. Senior.
Calculus, by G. B. Thomas (second edition) OR Differential and Integral Calculus, by Frank Ayres (Schaum Publishing Co.)

PURE MATHEMATICS II

Advanced Calculus, by W. Kaplan.
Mathematical Methods, edited by A. Keane and S. A. Senior.
Linear Algebra and Matrix Theory, by E. D. Nering.
The Laplace Transform: An Introduction, by E. D. Rainville.
Introduction to Topology, by B. Mendelson.
Differential Geometry, by C. E. Weatherburn, OR Differential Geometry, by T. J. Willmore.
APPLIED MATHEMATICS II

A course in Applied Mathematics, Vol 1, by D. F. Lawden.
Vector Analysis, by H. E. Newell.
Fluid Dynamics, by D. E. Rutherford.

MATHEMATICS II

Mathematical Methods, edited by A. Keane and S. A. Senior.
Vector Analysis, by H. E. Newell.

PURE MATHEMATICS III

Differential Equations, by H. Hochstadt.
Introduction to Topology and Modern Analysis, by G. F. Simmons (International Student Edition).
A first Course in Abstract Algebra, by H. Paley and P. M. Weichsel.
General Topology, by S. Lipschutz (Schaum Publishing Co.).

APPLIED MATHEMATICS III

Elements of Tensor Calculus, by A. Lichnerowicz.
Cartesian Tensors, by H. Jeffreys.
Introduction to Numerical Analysis, by F. B. Hildebrand.

DEPARTMENT OF PHILOSOPHY

Courses

PHILOSOPHY I (3 hours per week, with seminars)

Part I: Logic and Scientific Method

This course is concerned with formal logic, and the logical features of science. It deals with such items as truth and implication, the structure of propositions, logical form, immediate implication, class relations, the structure of arguments, syllogism, deduction and induction, deductive systems, proof, hypothetical and disjunctive argument, definition, division, classification, hypothesis and system-construction.

No specific texts are set, but recommendations as to reading will be made during the lectures.

Part II: Metaphysics

This course is an introduction to metaphysics through a study of aspects of the thought of Plato and Descartes. During the first two terms parts of Plato's theory of education, political authority, the nature of the soul and its immortality, and universals, are considered. The third term is spent discussing Descartes' quest for infallible knowledge and his attempts to show that we can be certain of the existence of God and the external world.

Texts:

Crombie, I. M.: Plato, the Midwife's Apprentice (Routledge and Kegan Paul).
Plato: Dialogues in The Trial and Death of Socrates (trans. Church, Macmillan).
Descartes: A Discourse on Method (Everyman) OR The Philosophical Works of Descartes (Dover) for students intending to do Philosophy II.

There are no pre-requisites for Philosophy I.

Part I, Logic and Scientific Method, is taken by students in the Faculty of Commerce.

PHILOSOPHY II (Pass and Honours—4 hours per week, including seminars)

Part I: Rationalism and Early Empiricism.

A study of problems in metaphysics and theory of knowledge as they arise and are exemplified in two contrasting schools of thought, the Rationalists on the Continent and the Empiricists in England. The problems themselves, and the texts, form the material for seminars.

In addition to Descartes' writings, students should have available for background reading:


Students should acquire a copy of:

Gibson, J.: Locke's Theory of Knowledge and its Historical Relations (Cambridge) and Sesonske (Ed.): Meta-Meditations (Wadsworth), for study and seminar work.
Part II: Plato and Aristotle, and their legacy of problems.

A study of prescribed writings of Plato and Aristotle in English translation. The course aims at providing an introduction to Platonic and Aristotelian epistemology, metaphysical analysis, and ethics. The texts prescribed for 1967 are Plato's "Menaj, "Theaetetus" and "Philebus."

Reason, Part I: Hume and Kant. with the study of major topics in Hume's predecessors of Hume and Kant, and treated in earlier courses. It begins then proceeds to a study of major topics in Kant's "Critique of Pure Reason", including the classification of judgments, the nature of space and time, causality, and cosmological antinomies, and the arguments for the existence of God.

Students should possess:

Sesonske and Fleming: "Plato's Menaj (Wadsworth).
Hackett, R.: "Plato's Examination of Pleasure" (Bobbs-Merrill).

The Jowett translation of Plato's dialogues will be used for general reference. Further reading will be recommended during the course. If possible, Part II will be divided during part of the year to enable Honours students and Pass students who opt to do so to complete an introductory course on symbolic logic. The text will be: I. M. Copi: "Symbolic Logic" (Macmillan). Either the 1st or the 2nd edition will serve; the 1st should be available at a reduced price.

PHILOSOPHY II (Honours—2 hours per week)

Recent Philosophy.
The aim of the course is to introduce students to the background of contemporary English Philosophy. Attention is centred on the early realist theories of Bertrand Russell and G. E. Moore, the logical atomism of Russell and L. Wittgenstein, and the development of linguistic analysis and Logical Positivism during the 1930's.

Texts:


PHILOSOPHY III (4 hours per week)

Part I: Hume and Kant.

This course is devoted to the development of material found in the predecessors of Hume and Kant, and treated in earlier courses. It begins with the study of major topics in Hume's "Treatise of Human Nature", and then proceeds to a study of major topics in Kant's "Critique of Pure Reason", including the classification of judgments, the nature of space and time, causality, and cosmological antinomies, and the arguments for the existence of God.

Texts:

Hume: "Treatise of Human Nature" (Selby-Bigge) (Oxford).
Ewing, A. C.: "Short Commentary of Kant's "Critique of Pure Reason" (Macmillan).
DEPARTMENT OF PSYCHOLOGY

Courses

PSYCHOLOGY I—A course of 3 hours lectures, 1 hour psychometrics, 1 hour laboratory.

Observation and prediction of behaviour.
Sensation and perception.
Learning.
Cognition, intelligence and abilities.
Physiological basis of behaviour.
Motivation and conflict.
Psychometrics and individual differences.
Laboratory experiments on the above topics.

PSYCHOLOGY II—A course of 3 hours lectures, 2 hours laboratory, 1 hour psychometrics, and a review of research on a particular topic.

Learning and behaviour theory.
Developmental psychology.
Social psychology.
Psychometrics.
Theory and practice of psychological tests.
Laboratory experiments on the above topics.

PSYCHOLOGY III—A course of 3 hours lectures, 2 hours laboratory, 1 hour statistics, 1 hour tutorial and an independent investigation.

Perception.
Cognition.
Personality theory and psychopathology.
Social psychology.
History of psychology.
Psychometrics.
Laboratory experiments in perception.

PSYCHOLOGY IV—A course of 3 hours seminars on psychological theory and psychological measurement. Two short theses, one reporting an independent laboratory study and the other an independent field study.

TEXTBOOKS AND REFERENCES

PSYCHOLOGY I

Textbooks:

OR
OR
OR
OR
OR
OR
FACULTY OF ARTS — TIMETABLE, 1967

The prefix M denotes a room in the Main Building at Tighes Hill.
On the Shortland site — A — Class rooms in the Arts/Administration Building.
B — Main Theatre.

In reading this timetable students should note the following facts:
1. It is primarily a lecture timetable. In some courses students may be required to attend certain tutorials or practical classes not shown here.
2. In Economics II and III some alternative courses are available. Students should consult the Department.
3. In some subjects more times are shown than the prescribed number of hours. Where this is the case the class is divided for parts of the course and some of the hours are alternative to others.
4. Geology is shown in the Science Handbook.
5. Mathematics is shown separately at end of this Timetable.

<table>
<thead>
<tr>
<th>Subject</th>
<th>Monday</th>
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<td>Geography I</td>
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* One hour oral to be arranged.

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<th>Subject</th>
<th>Monday</th>
<th>Tuesday</th>
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