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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

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<table>
<thead>
<tr>
<th>Term</th>
<th>Dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>First Term</td>
<td>2 March — 16 May</td>
</tr>
<tr>
<td>Second Term</td>
<td>8 June — 15 August</td>
</tr>
<tr>
<td>Third Term</td>
<td>7 September — 28 November</td>
</tr>
</tbody>
</table>

### ANNUAL EXAMINATIONS 1970

<table>
<thead>
<tr>
<th>Dates</th>
</tr>
</thead>
<tbody>
<tr>
<td>7 November — 28 November</td>
</tr>
</tbody>
</table>

### PRINCIPAL DATES FOR 1970

#### JANUARY

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Thursday</td>
<td>Public Holiday — New Year's Day</td>
</tr>
<tr>
<td>16 Friday</td>
<td>Last day for lodgement of Re-Enrolment Applications — Old Students</td>
</tr>
<tr>
<td>19 Monday</td>
<td>Last day for lodgement of Enrolment Applications — New Students</td>
</tr>
<tr>
<td></td>
<td>Deferred Examinations begin</td>
</tr>
<tr>
<td>26 Monday</td>
<td>Public Holiday — Australia Day</td>
</tr>
<tr>
<td>31 Saturday</td>
<td>Last Day of Deferred Examinations</td>
</tr>
</tbody>
</table>

#### FEBRUARY

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

#### MARCH

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 Monday</td>
<td>FIRST TERM commences</td>
</tr>
<tr>
<td>20 Friday</td>
<td>Graduation Day</td>
</tr>
<tr>
<td>27 Friday</td>
<td>Easter</td>
</tr>
<tr>
<td>to</td>
<td>Recess</td>
</tr>
<tr>
<td>31 Tuesday</td>
<td></td>
</tr>
</tbody>
</table>

#### APRIL

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>25 Saturday</td>
<td>Public Holiday — Anzac Day</td>
</tr>
</tbody>
</table>

#### MAY

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>16 Saturday</td>
<td>FIRST TERM ends</td>
</tr>
</tbody>
</table>

PRINCIPAL DATES FOR 1970
(continued)

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

AUGUST
15 Saturday  SECOND TERM ends

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

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

NOVEMBER
7 Saturday  Annual Examinations begin
28 Saturday  Annual Examinations end
            THIRD TERM ends

1971

MARCH
1 Monday  FIRST TERM begins

FACULTY OF ARTS

Dean
Professor A. D. Tweedie

Sub-Dean
Dr. N. Rutherford

CLASSICS

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

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

Lecturers
I. A. Allan, B.A.(Melb.)
Rhona Beare, M.A.(Cantab.)
D. W. Palmer, M.A.(Melb.), B.D.(Drew.), Th.M.(Harv.)
ECONOMICS

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

Associate Professor
B. L. J. Gordon, M.Ec.(Syd.), Ph.D.

Senior Lecturers
I. J. Fairbairn, M.A.(Wash.), Ph.D.(A.N.U.)
P. W. Sherwood, B.Com.(Lond.)

Lecturers
C. J. Aislabie, M.Ec.(Syd.), Ph.D.(Lond.)
K. C. Carpenter, M.Com.(Auck.) (Temporary)
N. J. Dickinson, B.Com.(N.S.W.)
R. W. McShane, B.A.(N.E.), M.A.(Alberta)
W. J. Sheehan, B.Ec.(Syd.), M.A.
P. E. Stonham, M.Sc.(Econ.) (Lond.)

Senior Tutor
I. J. Holmes, B.Com.

EDUCATION

Professor

Senior Lecturers

Lecturers
K. F. Collis, B.A., M.Ed.(Qld.), M.A.C.E.
ENGLISH

Professor
A. M. Gibbs, B.A.(Melb. and Oxon.), B.Litt.(Oxon.)

Associate Professor
D. B. O. Biggins, B.A.(Lond.), M.A.(So'ton)

Senior Lecturer
N. R. Cattell, M.A.(Syd.)

Lecturers
Robyn K. Bach, B.A.(Syd.)
A. J. Hassall, B.A.(N.S.W.)
R. P. Laidlaw, M.A.(Leeds)
N. C. Talbot, B.A.(Dunelm), Ph.D.(Leeds)
J. B. Tomson, B.A.(Dub.), B.Phil.(Oxon.)

Tutors
Elaine J. Daisley, B.A.
I. G. Lennie, B.A.(Syd.)

FRENCH

Professor

Senior Lecturer
N. M. Million, M.A.(Oxon.)

Lecturers
M. P. Connon, B.A.(Oxon.), Dip.Ed.(N.E.)
Janice Rubenach, B.A.(Tas.)

Senior Tutor
C. A. Whitehead, B.A.(N.E.), M.A.(Syd.)

Tutor
Micheline B. Price, I.P.F.E.
GEOGRAPHY

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

Senior Lecturers
   W. F. Geyl, B.Sc.(Lond.), Drs.Phys.Geog.(Utrecht)
   P. G. Irwin, B.A.(Syd.), B.Com.(Qld.), M.A.(N.S.W.)

Lecturers
   J. C. R. Camm, M.Sc.(Hull)
   Mary R. Hall, M.A.(Manc.)
   D. N. Parkes, B.A.(Dunelm), M.A.

Tutor
   K. W. Lee, B.A.(Liv.)

GERMAN

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

Lecturers
   A. Barthofer, Dr.Phil.(Vienna)
   G. Hughes, B.A.(Melb.)
   J. D. Stowell, B.A.(Melb.)

Tutor
   Gwyn M. Gillard, M.A.
HISTORY

Professors

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

Associate Professor

J. P. S. Bach, M.A.(Syd.), Ph.D.(N.S.W.)

Senior Lecturers

A. H. Anderson, M.A., Ph.D.(Edin.)
W. G. McMinn, B.A.(N.E.), M.A.(N.S.W.)

Lecturers

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

Tutors

Helen C. Brayshaw, B.A., Dip.Ed.(N.E.)
H. Margaret Henry, B.A.(Syd.)

MATHEMATICS

Professor

R. G. Keats, B.Sc., Ph.D.(Adel.), F.A.S.A.

Associate Professor

I. L. Rose, B.E.(Syd.), Ph.D.(N.S.W.)

Senior Lecturers

W. Brisley, B.Sc.(Syd.), M.Sc.(N.S.W.), Ph.D.; Dip.Ed. (N.E)
J. A. Lambert, B.Sc.(Syd.), M.Sc. (N.S.W.)

Lecturers

R. F. Berghout, M.Sc.(Syd.)
W. Ficker, Prom.Mat., C.Sc., RNDr(Comenius)
J. R. Giles, B.A.(Syd.), Ph.D.; Dip.Ed.(Syd.)
M. J. Hayes, B.A.(Cantab.)
W. T. F. Lau, M.E.(N.S.W.), Ph.D.(Syd.), M.A.I.A.A.
T. K. Sheng, B.A.(Marian Coll.), B.Sc.(Malaya & Lond.), Ph.D.(Malaya)

Senior Tutors

C. J. Ashman, B.A., Litt.B.(N.E.)
L. J. Brady, B.Sc.(N.S.W.), M.Math.(Waterloo)

Tutors

Winifred Frost, B.A.
E. V. Petersons, B.Sc.(Syd.)
PHILOSOPHY

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

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.)

Senior Tutor
R. Mc L. Robinson, B.A.

PSYCHOLOGY

Professor

Associate Professor
J. W. Staines, B.A., B.Ec. (Syd.), B.Ed. (Melb.), Ph.D. (Lond.), M.B.Ps.S., M.A.Ps.S.

Senior Lecturers
B. Fenelon, B.A. (Qld.), M.A., M.A.Ps.S.
E. Szekely, M.A. (Qld.), Ph.D. (Bud.), A.B.Ps.S., M.A.Ps.S.

Lecturers
G. S. Halford, M.A. (N.E.), Ph.D., M.A.Ps.S.
A. C. Hall, B.A. (R’dg.), M.A., A.B.Ps.S., M.A.Ps.S.
A. Ivinskas, B.A. (Qld.), M.A., M.A.Ps.S.
A. G. Keene, M.A. (Melb.), M.A.Ps.S.
J. A. C. Price, B.A. (Qld.), A.B.Ps.S., M.A.Ps.S., M.S.A.A.N.Z.
ADMINISTRATIVE STAFF

Vice-Chancellor and Principal

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

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

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

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

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

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

Assistant Bursar — Staff
R. J. Goodbody

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

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

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

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

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

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

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

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

Staff Engineer
ADMINISTRATIVE STAFF

(continued)

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

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

--|--

COMPUTER CENTRE

Director

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

--|--

THE LIBRARY STAFF

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

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

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

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

Graduate Library Staff
Rosa Bailey, B.A.(Syd.)
Colette Bromilow, B.A.(N.E.)
Jane Campbell, B.A.(N.E.), Dip.Ed.(Syd.)
Anna Geyl, B.Sc.
Helen Hart, B.A.
Jane Kandiah, B.A.
Winifred Murdoch, B.Sc.(N.E.)
The University of Newcastle began its existence as the Newcastle University College of the University of New South Wales, then known as the New South Wales University of Technology. The College was formally opened on 3rd December, 1951, and the first students were enrolled in the 1952 academic year. By the University of Newcastle act of 1964 it became an autonomous institution on 1st January, 1965.

Enrolments in the first year of the College's existence totalled 370 of whom only five were starting degree courses — the others were seeking a diploma or were converting their diplomas into degrees. In 1954 courses in the Faculty of Arts were offered for the first time. As the New South Wales University of Technology, whose courses were given in the College, had no Faculty of Arts, supervision of these courses was entrusted to the University of New England. This relationship continued until 1959 by which time the New South Wales University of Technology had become the University of New South Wales and was empowered to offer courses in the Faculty of Arts. Enrolments have steadily increased, reaching 1000 in 1960 and 2872 in 1969.

The Newcastle University College was established on the site of the Newcastle Technical College at Tighe's Hill and some faculties still operate there. In 1960 an area of some 200 acres was acquired at Shortland and building commenced in 1964. The transfer of the University began at the end of 1965 and work is underway to have the University fully established at Shortland during the 1970 academic year. In 1970 courses in the Faculties of Applied Science, Arts, Economics and Commerce, and Science will be offered at Shortland. Courses in the Faculties of Architecture and Engineering will initially be given at Tighe's Hill and will be transferred to Shortland as the appropriate buildings are completed. The branch library will continue to operate at Tighe's Hill.

The University is governed by a Council of twenty-three members of whom one, the Chancellor, acts as chairman. The Council comprises representatives of the University staff, Convocation, the undergraduates, the Legislative Council and the Legislative Assembly; nominees of the Governor; and the Vice-Chancellor who is the chief executive officer of the University.

The present Chancellor of the University is Senator the Honourable Sir Alister McMullin, K.C.M.G., D.Litt., President of the Senate. Professor J. J. Auchmuty, M.A., Ph.D. (Dub.),

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

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

MATRICULATION

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

By-law 5.1 — Matriculation

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

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

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

(2) The recognised matriculation subjects shall be:—

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

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

(4) The qualification for matriculation must be obtained at one examination.
2. A person who has applied to undertake a course of study as a matriculated student shall upon —

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

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

By-law 5.3 — Admission to Courses

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

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

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

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

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

PRE-REQUISITES

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

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

ENROLMENT

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

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

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

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

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

PERSONS RE-ENROLLING IN UNDERGRADUATE COURSES

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

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

Approval of Re-enrolment

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

CANDIDATES FOR POSTGRADUATE DIPLOMA COURSES

DIPLOMA IN APPLIED PSYCHOLOGY

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

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

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

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

DIPLOMA IN EDUCATION

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

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

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

DIPLOMA IN INDUSTRIAL ENGINEERING

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

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

CANDIDATES FOR THE DEGREE OF MASTER, OR DOCTOR OF PHILOSOPHY

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

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

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

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

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

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

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

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

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

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

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

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

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

AMENDMENTS

The following matters are regarded as amendments to course programmes and are required to be documented:
(a) to completely withdraw from course
(b) to withdraw from a subject or subjects
(c) to substitute one subject for another
(d) to add a subject to existing programme
(e) to transfer from F/T to P/T within degree course
(f) to transfer from P/T to F/T within degree course
(g) to transfer from one degree course to another
(h) to transfer from a degree course in one Faculty to a degree course in another Faculty
(i) if the variation sought is not listed above, please indicate briefly nature of change sought.

NOTES

The student is liable for fees up to the date on which his application to withdraw is received by the University.

When requesting exemption in subject unit(s) or substituting unit(s) within a subject, no Variation Application is required. BUT the Head of the Department concerned must be formally notified in writing.

HOW TO DOCUMENT WITHDRAWALS AND AMENDMENTS

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

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

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

PROCEDURES
(continued)

CHANGE OF ADDRESS

Students are responsible for notifying the Student Records Office in writing of any change in their address as soon as possible.

Failure to do this could lead to important correspondence or course information not reaching the student. The University cannot accept responsibility if official communications fail to reach a student who has not notified Student Records Office of a change of address.

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

IDENTITY TOKENS

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

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

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

Loss of Identity Token

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

Return of Identity Token

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

Non-Degree Students and Identity Token

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

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

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

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

OMNIBUS — Concessions are available to:

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

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

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

TRAIN —

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

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

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

AIRCRAFT —

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

FEES

GENERAL INFORMATION

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

COMPLETION OF ENROLMENT

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

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

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

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

PAYMENT OF FEES BY TERM

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

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

EXTENSION OF TIME IN WHICH TO PAY FEES

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

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

DATES FOR PAYMENT OF FEES IN 1970

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

FAILURE TO PAY FEES

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

FEES ADJUSTMENTS

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

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

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

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

DESIGNATION OF STUDENTS

FULL-TIME STUDENTS

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

PART-TIME STUDENTS

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

NON-DEGREE STUDENTS

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

GENERAL SERVICES FEE

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

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

UNDERGRADUATE COURSE FEES

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

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

OTHER FEES

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

POSTGRADUATE DIPLOMA COURSE FEES

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

FEES

HIGHER DEGREE FEES

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

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

General Services Fee
Higher Degree candidates are required to pay the General Services Fee (see page 40). Where a Higher Degree candidate’s enrolment is effective from first or second term, the General Services Fee covers a period of registration from the first day of the term to the Friday immediately preceding the first day of first term in the following academic year. Where a Higher Degree candidate enrolls on or after the first day of third term, the General Services Fee paid will cover his liability in respect of this fee to December 31st of the subsequent year.

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

FEES FOR MASTER’S DEGREE

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

FEES FOR DOCTOR OF PHILOSOPHY DEGREE

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

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

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

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

ACADEMIC REQUIREMENTS

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

NOTICES

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

NOTICE BOARDS

EXAMINATIONS

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

STUDENT MATTERS GENERALLY

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

GENERAL REQUIREMENTS

(continued)

ATTENDANCE AT CLASSES

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

All applications for exemption from attendance at lectures or practical classes must be made in writing to the Head of the appropriate Department. If term examinations have been missed this fact should be noted in the application.

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

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

OWNERSHIP OF STUDENTS' WORK

Unless other arrangements have been agreed upon the University reserves the right to retain at its own discretion the original or one copy of any drawings, models, designs, plans and specifications, essays, theses, or other work executed by students as part of their courses, or submitted for any award or competition conducted by the University.

STUDENT IDENTIFICATION

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

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

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

(continued)

Loss of Identity Token

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

Return of Identity Token

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

CHANGE OF ADDRESS

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

GENERAL CONDUCT

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

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

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

PARKING OF CARS

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

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

EXAMINATIONS

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

ANNUAL EXAMINATIONS

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

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

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

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

The annual examinations take place in November-December. Timetables showing the time and place at which individual examinations will be held will be posted on the examinations notice board near the Main Lecture Theatre. Misreading of the timetable will not under any circumstances be an acceptable excuse for failure to attend an examination.
EXAMINATIONS
(continued)

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

(a) Candidates are required to obey any instruction given by a Supervisor for the proper conduct of the examination.

(b) Candidates are expected to be in their places in the examination room not less than ten minutes before the time for commencement of the examination.

(c) No bag, writing paper, blotting paper, manuscript or book, other than a specified aid, is to be brought into the examination room.

(d) No candidate shall be admitted to an examination after thirty minutes from the time for the commencement of the Examination.

(e) No candidate shall be permitted to leave the examination room before the expiry of thirty minutes from the commencement of the examination.

(f) No candidate shall be re-admitted to the examination room after he has left it unless during the full period of his absence he has been under approved supervision.

(g) A candidate shall not by any improper means obtain or endeavour to obtain assistance in his work, give or endeavour to give assistance to any other candidate, or commit any breach of good order.

(h) Smoking is not permitted during the course of an examination.

(i) A candidate who commits any infringement of the rules governing examinations is liable to disqualification at the particular examination, and if detected at the time, to immediate expulsion from the examination room, and is liable to such further penalty as may be determined.

FURTHER EXAMINATIONS

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

EXAMINATION RESULTS

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

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

SPECIAL EXAMINATIONS

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

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

6. When a candidate’s studies during the academic year have been gravely hampered by illness or other serious cause, the appropriate Faculty Board upon application being made to the Secretary to the University before the commencing date of the examination supported by medical or other proper evidence may direct the examiners to take the circumstances into account in determining whether or not a special examination should be provided for the candidate in any subject in which he does not pass at the annual examination.
EXAMINATIONS
(continued)

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

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

ACADEMIC PROGRESS REQUIREMENTS

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

BY-LAWS

By-law 5.4.1 — Unsatisfactory Progress

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

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

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

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

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

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

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

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

By-law 5.4.2 — Show Cause

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

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

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

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

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

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

By-law 5.4.3 — Re-Enrolment

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

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

By-law 5.4.4 — Appeal Against Exclusion

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

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

PROCEDURES

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

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

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

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

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

Long vacation:
- Monday, Wednesday, Friday  9.00 a.m. to 5.00 p.m.
- Tuesday and Thursday      9.00 a.m. to 7.00 p.m.

The Library is closed on public holidays.

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

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

The Library is closed on public holidays.

UNIVERSITY SERVICES

STUDENT COUNSELLING UNIT

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

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

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

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

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

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

STUDY AT THE UNIVERSITY LEVEL

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

S.C.U. STAFF

Senior Student Counsellor — P. M. Whyte, B.A.(Melb.), M.A.Ps.S.
Student Counsellor — A. P. T. Loftus, B.A.(Melb.), M.A.Ps.S.
A Female Counsellor is to be appointed.
Secretary — Mrs. L. J. Hoesli
Stenographer — Mrs. V. E. Lloyd

LOCATION

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

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

UNIVERSITY SERVICES
(continued)

CHAPLAINCY SERVICE

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

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

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

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

NAMES AND ADDRESSES OF CHAPLAINS

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

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

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

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

Roman Catholic — The Reverend Father T. Warren, B.A.(Qld.),
Redemptorist Monastery,
MAYFIELD. Tel. 68 2347.
STUDENT LOAN FUND

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

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

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

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

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

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

OVERSEAS STUDENTS

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

UNIVERSITY ORGANISATIONS

THE UNIVERSITY OF NEWCASTLE

STUDENTS' ASSOCIATION

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

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

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

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

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

(continued)

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

President — Brailey Sims
Secretary — Kathryn Price

NEWCASTLE UNIVERSITY UNION

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

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

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

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

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

SPORTS UNION

The Sports Union is a student organisation responsible for promotion and control of sporting activities within the University. All students are automatically members of the Sports Union.

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

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

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

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

THE UNIVERSITY OF NEWCASTLE COMPANY

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

The function of the Company is to train graduates and undergraduates for commissioned rank in the C.M.F. and the training designed with this in view, is done on an Infantry basis and consists of:

(a) An Annual Camp for three weeks in February
(b) An optional camp of ten days in May
(c) Two weekend bivouacs a year
(d) Parades on Friday nights of two and a half hours duration
(e) Four weekend day parades.

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

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

Members of the University of Newcastle Company are eligible for the following benefits:

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

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

OFFICERS AND STAFF

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

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

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

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

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

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

FACULTY OF ARTS

COURSES AND REQUIREMENTS

Courses in the Faculty of Arts lead to the award of:

(i) Bachelor of Arts (B.A.)
(ii) Master of Education (M.Ed.)
(iii) Master of Arts (M.A.)
(iv) Doctor of Philosophy (Ph.D.)
(v) Diploma in Applied Psychology (Dip.App.Psych.)
(vi) Diploma in Education (Dip.Ed.)

The degree of Doctor of Letters (D.Litt.) is also awarded.

New requirements for the degree of Bachelor of Arts came into force in 1968.

Details of Transition Arrangements appear in the 1968 Faculty Handbook.
CLASSIFICATION OF STUDENTS IN COURSES

CLASSIFICATIONS

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

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

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

4. FACULTIES OF ARTS AND SCIENCE
   Students are classified according to the number of subjects passed, i.e.

   **Full-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.

REQUIREMENTS FOR THE DEGREE OF BACHELOR OF ARTS

GENERAL PROVISIONS

1. **Definitions**
   In these Requirements, unless the contrary intention appears, “the Faculty” means the Faculty of Arts and “the Faculty Board” means the Faculty Board of the Faculty of Arts.

2. **Grading of Degree**
   The degree of Bachelor of Arts may be conferred either as an ordinary degree or as an honours degree.

3. **Approval of First Enrolment**
   A candidate when enrolling in the Faculty for the first time shall report in person to the Dean, or his nominee, to have his enrolment for that year approved.

4. **Timetable Requirements**
   No candidate may enrol in any year for any combination of subjects which is incompatible with the requirements of the timetable for that year.

5. **Annual Examinations**
   The Annual Examinations shall normally be held at the end of Third Term and shall be conducted by means of written examinations supplemented by such oral or practical work testing as the examiners think fit.
6. Special Examinations

A candidate may be granted a special examination in accordance with the provisions of By-law 5.9.3.

7. Examination Grades

The results of successful candidates at Annual Examinations and Special Examinations shall be classified: Pass, Credit, Distinction, High Distinction.

8. Withdrawal

(a) A candidate may withdraw from a subject only by notifying the Secretary of the University in writing of his withdrawal within seven days of the date of withdrawal.

(b) A candidate who withdraws after the second Friday in Second Term from a subject in which he has enrolled shall be deemed to have failed in that subject. However, such a candidate may apply to the Dean, who, after consultation with the Head of Department concerned, may allow him to withdraw without penalty.

9. Relaxing Clause

In order to provide for exceptional circumstances arising in particular cases, the Senate, on the recommendation of the Faculty Board, may relax any requirement.

10. A Subject

(a) To complete a subject qualifying towards the degree, hereinafter called a subject, a candidate shall attend such lectures, tutorials, seminars, laboratory classes and field work and submit such written work as the Department concerned shall require.

(b) To pass a subject a candidate shall satisfy the requirements of the previous clause and pass such examinations as the Faculty Board concerned shall require.

11. Subjects Offered

The Faculty Board shall publish a Schedule of the subjects offered. A candidate shall select his subject from the Schedule of subjects offered and shall comply with the rules relating to selection of subjects set out in the Schedule.

12. Degree Patterns

To qualify for the degree a candidate shall pass nine subjects chosen from those listed in the Schedule of subjects offered provided that:

(a) not more than four subjects may be taken in any one year;

(b) not more than three subjects from Group 11 may be counted;

(c) not more than four Part I subjects may be counted;

(d) at least one subject shall be a Part III subject;

(e) not more than one Introductory Subject in a foreign language may be counted, such subject to be regarded as a Part I subject;

(f) notwithstanding the provision of paragraph (c) of this clause, a candidate who has already passed four Part I subjects in his first year, including an Introductory Subject in a foreign language, may include the corresponding Part I subject as one of the nine required to qualify for the ordinary degree;

(g) a candidate may enrol in an Introductory Subject in a foreign language only with the approval of the Head of the Department concerned.

* (g) A part-time student intending to include an introductory subject in his degree course should endeavour to enrol in it in Stage I.
13. **Pre-requisites**

(a) Except as provided in the Schedule of subjects offered, a candidate shall, before enrolling in a Part II subject have passed the Part I subject in that course; and before enrolling in a Part III subject have passed in a Part II subject in that course.

(b) Before enrolling in a Part III subject a candidate shall pass any Part I or Part II subject which may be prescribed as a pre-requisite for that subject by the Department from time to time.

14. **Advanced Standing**

(a) A graduate or an undergraduate of another University, University College or other faculty of the University may be granted advanced standing in recognition of the work completed in such other University, University College or Faculty, provided that:

(i) the subjects for which credit is given shall have a reasonable correspondence with those offered in the Faculty;

(ii) an undergraduate of another University, University College or Faculty shall not receive credit for more than four subjects;

(iii) a graduate of another University, University College or Faculty shall not receive credit for more than four subjects and if granted credit may not include as a qualifying subject any subject equivalent to one included in his previous degree.

(b) Notwithstanding the provisions of section (a) (i) of this Clause, a graduate or undergraduate of another University or University College may be given credit for subjects not offered for the degree of Bachelor of Arts in the University of Newcastle, provided that:

(i) the candidate complies with all other conditions of these Requirements;

(ii) the candidate has his proposed pattern of courses approved at the time at which the concession is granted and does not depart from the proposed pattern without the approval of the Dean.

15. **Combined Courses**

**Arts/Law**

(a) Notwithstanding the provisions of clause 12 of these Requirements, a candidate who has passed in seven subjects, including at least three Part II or Part III subjects, may qualify for the degree by passing the degree course in the Faculty of Law in any Australian University recognised by the Council for this purpose.

**Arts/Engineering**

(b) Notwithstanding the provisions of clause 12 of these Requirements a candidate may:

(i) after completing the first year of a course in the Faculty of Engineering and with the permission of the Dean of the Faculty of Arts, enrol in the combined Arts/Engineering course approved by the Council on the recommendation of the Faculty Boards of the Faculties of Arts and Engineering;

(ii) qualify for admission to the degree of Bachelor of Arts by passing the subjects prescribed for the first four years of the combined Arts/Engineering course; or

(iii) qualify for admission to the degree of Bachelor of Arts with Honours by satisfying the provisions of clauses 16, 17 and 18 of the Requirements either within one year of qualifying for admission to the ordinary degree or within one year of qualifying for admission to the degree of Bachelor of Engineering.

**THE HONOURS DEGREE**

16. **Degree Pattern**

(a) A Part IV subject is a Final Honours subject

(b) Part IV subjects are offered in the following:

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

The Faculty Board may approve certain combinations of the above subjects leading to a combined honours degree.

(c) To qualify for honours a candidate shall

(i) satisfy the requirements for admission to the ordinary degree;

(ii) pass the Part IV subject

(d) There shall be no re-examination for Honours.

17. **Entry to Final Honours subject**

(a) To qualify for admission to a Part IV subject a candidate for Honours shall have satisfied the requirements for admission to the ordinary degree and shall meet such requirements as may be prescribed from time to time by the Department concerned and approved by the Faculty Board.

(b) A candidate who wishes to proceed to Honours shall notify the Head of the Department at such time as shall be published in the Departmental requirements for entry to the Part IV subjects.
18. Time Requirements

(a) Except with the special permission of the Faculty Board, a candidate for honours shall complete the requirements within five years from the commencement of his degree course, provided that where it is deemed practical to allow a part-time student to become a candidate for Honours, the corresponding period shall be seven years.

A candidate wishing to proceed to Honours who has been given advanced standing in recognition of work completed elsewhere shall be deemed to have commenced his degree course from a date determined by the Dean.

(b) The Dean, on the recommendation of the Head of the Department concerned, may permit a part-time candidate for Honours to complete the Part IV subject over two successive years.

19. Classes of Honours

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.

20. Medal

In each Honours subject, including combined subjects, the most distinguished candidate of the year may be awarded a University Medal.

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SCHEDULE OF SUBJECTS OFFERED IN 1970

NOTES:

1. Part IV subjects are set out in Clause 16 of the Requirements for the degree of Bachelor of Arts—see page 69.

2. In Geography and History A and B subjects are available in the evening in alternate years only. In 1970 Geography IIIB, History IIB and History IIIA will not be available in the evening.

3. A student taking Chemistry, Geology or Physics should consult the notice boards of the respective departments during first week of term to ascertain the laboratory period(s) allocated to him.

4. Students are referred to the detailed description of subjects in Group I given under the names of the various Departments in this Handbook. Description of subjects in Group II can be found in the Handbook of the appropriate Faculty.

<table>
<thead>
<tr>
<th>SUBJECTS</th>
<th>Part I</th>
<th>Part II</th>
<th>Part III</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>GROUP I</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Economics</td>
<td>I</td>
<td>IIA, IIB</td>
<td>IIIA, IIB</td>
</tr>
<tr>
<td>The A subject is a pre- or co-requisite for the B subject.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Education</td>
<td></td>
<td>IIA</td>
<td>IIIA, IIB</td>
</tr>
<tr>
<td>Passes in three other subjects are a pre-requisite for entry into Education IIA, except that the Dean, on the recommendation of the Head of the Department of Education may, in special circumstances permit a candidate who has passed in only two other subjects to enter Education IIA. In Part III the A subject is a pre- or co-requisite for the B subject.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>English</td>
<td>I</td>
<td>IIA, IIB, IIIC</td>
<td>IIIA, IIB, IIIC</td>
</tr>
<tr>
<td>The A subject is a pre- or co-requisite for the B and C subjects. The B and C subjects are mutually exclusive alternatives.</td>
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<td></td>
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<tr>
<td>French</td>
<td>I</td>
<td>IIA, IIB</td>
<td>IIIA, IIB</td>
</tr>
<tr>
<td>The A subject is a pre- or co-requisite for the B subject.</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Geography</td>
<td>I</td>
<td>IIA</td>
<td>IIIA, IIB</td>
</tr>
<tr>
<td>A candidate may take either or both of the A and B subjects in Part III.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>German</td>
<td>I Introductory</td>
<td>IIA, IIB</td>
<td>IIIA, IIB</td>
</tr>
<tr>
<td>The A subject is a pre- or co-requisite for the B subject. A candidate may enrol in the Introductory subject only with the approval of the Head of the Department.</td>
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<td></td>
</tr>
</tbody>
</table>
Greek | I | II A, II B | III A, III B

The A subject is a pre- or co-requisite for the B subject.

| History | I | II A, II B | III A, III B

A candidate may take either or both of the A and B subjects.

| Latin | I | II A, II B | III A, III B

The A subject is a pre- or co-requisite for the B subject.

| Mathematics | I | II A, II B, IIC | III A, III B

A candidate may take one, two or three of the subjects in Part II: one wishing to go on to any Part III subject in Mathematics must complete the IIC subject for which the II A subject is a pre- or co-requisite. The III A subject is a pre- or co-requisite for the III B subject.

| Philosophy | I | II A, II B | III A, III B

The A subject is a pre- or co-requisite for the B subject.

| Psychology | I | II A | III A, III B

In Part III the A subject is a pre- or co-requisite for the B subject.

**TRANSITIONAL ARRANGEMENTS:** Candidates who have passed Psychology III A prior to 1970 and who wish to attempt Psychology III B will be required to attempt such parts of the new Psychology III A and Psychology III B subjects as the Head of the Department shall specify.

| Sanskrit | I |

**GROUP II**

| Accounting | I |
| Chemistry | I | II | III A |
| Engineering | I |
| Geology | I | II | III A |
| Physics | I | II | III A |
REQUIREMENTS FOR THE DIPLOMA IN EDUCATION

1. An applicant for registration for the Diploma shall lodge an application form with the Secretary in accordance with the published procedures.

2. An applicant for registration shall have satisfied:
   (a) all of the requirements for admission to the degree of Bachelor of Arts, or Bachelor of Science or Bachelor of Commerce in the University of Newcastle; or all of the requirements for admission to a University Degree approved for this purpose by the Faculty Board on the recommendation of the Head of the Department of Education; and
   (b) any pre-requisites specified for an individual subject in the course.

3. Notwithstanding the provisions of Clause 2(a), an undergraduate in the University of Newcastle requiring to pass in one additional subject to qualify for a degree, may, on the recommendation of the Head of the Department concerned and the Head of the Department of Education, be permitted by the Faculty Board to register as a candidate for the Diploma concurrently with his enrolment in the additional subject.

4. Candidates for the Diploma shall undertake such studies as may be required by the Faculty Board, including:
   (i) general principles of education;
   (ii) educational psychology;
   (iii) educational measurement;
   (iv) methods of teaching; and
   (v) practical teaching.

5. Where a candidate has previously completed a course or subject in Education, the Faculty Board, on the recommendation of the Head of the Department of Education, may approve alternative courses to those prescribed.

6. The course shall normally be completed in one year's full-time study except that, with the permission of the Faculty Board, a candidate may be permitted to complete the course by part-time study over two or more years.

7. To qualify for the Diploma a candidate shall:
   (a) pass the examinations prescribed by the Faculty Board;
   (b) attain a satisfactory level of proficiency during supervised practice teaching; and
   (c) if he has been registered as a candidate by virtue of the provisions of Clause 3, satisfy the requirements for admission to the degree in the year in which he has been permitted to register.

8. The Diploma shall be awarded in three grades, namely:
   Diploma in Education with Distinction
   Diploma in Education with Credit
   Diploma in Education

9. In order to provide for exceptional circumstances arising in particular cases, the Senate, on the recommendation of the Faculty Board, may relax any requirement.
1. An application to register as a candidate for the degree of Master of Education shall be made on the prescribed form which shall be lodged with the Secretary.

2. Applicants for registration shall,
   (i) have qualified for the degree of Bachelor in the University of Newcastle or another approved University provided that the Faculty Board considers the degree as suitable preparation for the applicant's proposed field of study;
   (ii) hold the Diploma of Education of the University of Newcastle or another approved University, or have completed an alternative course of professional training for teaching which is approved by the Faculty Board, and
   (iii) produce evidence of at least two years' practical experience in education satisfactory to the Faculty Board.

3. An applicant shall satisfy the Faculty Board that he is adequately prepared to undertake advanced studies in the field of specialisation proposed, and may be required to undertake preliminary studies and examinations before being registered as a candidate.

4. On the recommendation of the Head of the Department the Faculty Board shall appoint a committee (generally of three members) to supervise the work of each candidate.

5. After registration a candidate shall undertake a course of studies which includes four units of graduate work each requiring attendance at lectures, seminars and tutorials, reading, exercises and examinations as may be prescribed by the Board of Studies.

6. Where it is appropriate to the total programme one unit may consist of approved advanced work in another department of the University.

7. Each candidate shall submit a report of a study in the area of his specialisation. Approval for the proposed study must be obtained from the candidate's committee at least three terms before the report is submitted.

8. For each candidate there shall be two examiners appointed by the Senate, one of whom shall be an external examiner.

9. Every candidate shall submit three copies of the report provided under Clause 7. All copies of the report shall be in double-spaced typescript, shall include a summary of approximately 200 words, and a certificate signed by the candidate to the effect that the work has not been submitted for a higher degree to any other university or institution. The original copy of the report for deposit in the Library shall be prepared and bound in a form approved by the University. The other two copies of the report shall be bound in such a manner as allows their transmission to the examiners without possibility of disarrangement.

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

11. The course for the degree of Master of Education shall be completed in not less than six terms and, except by special permission of the Faculty Board not more than fifteen terms from the date of registration of the candidate.

12. In exceptional circumstances on the recommendation of the Faculty Board, the Senate may relax any of the above requirements.
REQUIREMENTS FOR 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 Secretary at least one full calendar month before the commencement of the term in which the candidate desires to register.

2. An applicant for registration shall either:
   (i) have satisfied all the requirements for admission to the degree of Bachelor of Arts with Honours Class I or Class II in the University of Newcastle, or to an appropriate degree of this or any other University approved for this purpose by the Faculty Board of the Faculty of Arts; or
   (ii) have satisfied all the requirements for admission to the degree of Bachelor of Arts in the University of Newcastle or other approved University; or
   (iii) in exceptional cases produce evidence of possessing such other qualifications as may be approved by the Faculty Board on the recommendation of the Head of the Department concerned.

3. In the case of an applicant desiring to register under Clause 2 (ii) or 2 (iii) above, the Faculty Board may require the applicant to carry out such work and sit for such examinations as the Board may determine before registration as a candidate for the degree is confirmed.

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

5. An applicant for registration shall have his programme of study approved by the Faculty Board on the recommendation of the Head of Department before being permitted to register.

6. A candidate shall register as either a full-time or a part-time student.

7. Every candidate shall be required to submit a thesis embodying the results of his studies and may further be required to take such examinations and perform such other work as may be prescribed by the Faculty Board.

8. The studies and other work as provided in Clause 7 shall be conducted under a supervisor appointed by the Faculty Board or under such conditions as the Faculty Board may determine.

9. A candidate shall submit his thesis for examination at a time between four and fifteen terms after registration. In special cases the Faculty Board may approve of the submission of a thesis after a lapse of only three terms.

10. For each candidate there shall be two examiners appointed by the Senate, one of whom shall be an external examiner.

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

12. The result of the examination shall be in accordance with the result of a majority of the examiners. Should the two examiners disagree the Senate shall appoint a third examiner.

13. A candidate who fails to satisfy the examiners may be permitted to re-submit his thesis. Such a re-submission must take place within twelve months from the date on which the candidate is advised of the result of the first examination.

14. A candidate who re-submits his thesis for examination and fails to satisfy the examiners shall not be eligible for any further examination for the degree of Master of Arts.

15. Every candidate shall submit three copies of the thesis provided under Clause 7. 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 manner as allows their transmission to the examiners without possibility of disarrangement.

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

17. In order to provide for exceptional circumstances arising in particular cases, the Senate, on the recommendation of the Faculty Board, may relax any requirement.
REQUIREMENTS FOR THE DEGREE OF
DOCTOR OF PHILOSOPHY

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

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

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

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

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

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

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

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

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

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

11. On completing his course of study every candidate shall submit a thesis which complies with the following requirements:—
   (i) The greater proportion of the work described must have been completed subsequent to registration for the Ph.D. degree.
   (ii) It must be a distinct contribution to the knowledge of the subject.
   (iii) It must be written in English or in a language approved by the Senate and reach a satisfactory standard of literary presentation.

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

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

14. A candidate may not submit as the main content of his thesis any work or material which he has previously submitted for a University degree or other similar award.
15. The candidate shall give in writing three months' notice of his intention to submit his thesis and such notice shall be accompanied by the appropriate fee.

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

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

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

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

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

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

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

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

**REQUIREMENTS FOR THE DEGREE OF DOCTOR OF LETTERS**

1. The degree of Doctor of Letters may be awarded by the Council, on the recommendation of the Senate, for an original contribution or contributions of distinguished merit adding to the knowledge or understanding of any branch of learning with which the Faculty is concerned.

2. A candidate for the degree of Doctor of Letters shall hold a degree of the University of Newcastle or a degree from another University recognised by the Senate as being equivalent or shall have been admitted to the status of such a degree.

3. The degree shall be awarded on published* work of the candidate although in special circumstances additional unpublished work may be considered provided that these circumstances are recognised as sufficient by the Senate.

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

5. A candidate for the degree shall make an application in writing to the Secretary setting out a statement of his academic qualifications. With the application he shall submit:

   (a) Four copies of the work referred to in clause 3 of these Requirements.

   (b) Four copies of any additional work, published or unpublished, which he may desire to submit in support of his application.

   (c) A Statutory Declaration indicating those sections of the work, if any, which have been accepted previously in partial fulfilment of the requirements for a degree or diploma in any University.

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

7. The University may at the request of an examiner require the candidate to answer any questions concerning his work.

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

*In these requirements the term "published work" shall mean printed in a periodical or as a pamphlet or as a book readily available to the public. The purpose of requiring publication is to ensure that the work submitted has been available for criticism by relevant experts, and examiners are given discretion to disregard any of the work submitted if, in their opinion, the work has not been so available for criticism.
DEPARTMENTS OF THE FACULTY

DEPARTMENT OF CLASSICS

GREEK I
Two alternative courses requiring a similar standard of achievement but providing scope for wider reading for those with matriculation Greek, and grammatical training for those without it. Each course needs 4 hours per week.

GREEK IIA
A course of 4 hours per week covering three prescribed authors, prose composition in Greek, and unprepared translation.

GREEK IIB
A course of 4 hours per week covering an extra author, iambic verse composition, harder prose, and history and epigraphy of 5th or 4th century B.C.

N.B. Candidates taking both IIA and IIB concurrently will be excused the IIA prose class and will need 7 hours per week.

GREEK IIIA
Candidates will take the same course as the concurrent IIA plus IIB candidates—7 hours per week.

GREEK IIIB
The candidates will take harder prose and verse classes and two of the special studies offered for Greek IV—4 hours per week.

N.B. Concurrent candidates will be excused the prose, verse and unprepared translation classes set down for IIIA. Their total load will be 8 hours per week.
GREEK IV

Candidates will take the following papers:

(1) Advanced prose or free composition in Greek or a comprehension test.
(2) A translation paper from unprepared prose authors.
(3) A translation paper from unprepared verse authors.
(4), (5), (6) and (7)
Four special studies, each prepared in one class per week throughout the year.
(8) One paper in either Palaeography or Epigraphy or verse composition.

N.B. Six hours instruction per week.

PROGRESSION TO DEGREE

Ordinary degree candidates will normally take three units in successive years—viz. Greek I, Greek II A, Greek III A.
Honours candidates will normally take six subjects over four years—viz. Greek I in 1st year, Greek II A and II B in 2nd year, Greek III A and III B in 3rd year and Greek IV in 4th year.

N.B. No candidate shall take III A concurrently with II B in either language.
The Professor shall have power to vary courses for candidates enrolling in III A who have previously passed II B.

LATIN I

Two alternative courses requiring a similar standard of achievement but providing scope for wider reading for those with matriculation Latin, and grammatical training for those without it. Each course needs 5 hours per week.

LATIN II A

A course of 5 hours per week covering three prescribed authors, prose composition in Latin, unprepared translation and either Republican History with Palaeography or Imperial History with Epigraphy in alternative years.

LATIN II B

A course of 4 hours per week covering an extra author, elegiac verse composition, harder prose and historical syntax.
N.B. Candidates taking both II A and II B concurrently will be excused the II A prose class and will need 8 hours per week.

LATIN III A

Candidates will take the same course as the concurrent II A plus II B candidates—8 hours per week.

LATIN III B

The candidates will take harder prose and verse classes and two of the special studies offered for Latin IV—4 hours per week.
N.B. Concurrent candidates will be excused the prose, verse and unprepared translation classes set down for III A. Their total load will be 9 hours per week.
Candidates will take the following papers:—
(1) Advanced prose or free composition in Latin or a comprehension test.
(2) A translation paper from unprepared prose authors.
(3) A translation paper from unprepared verse authors.
(4), (5), (6) and (7) Four special studies, each prepared in one class per week throughout the year.
(8) One paper in either Palaeography or Epigraphy or verse composition.

N.B. Six hours instruction per week.

Ordinary degree candidates will normally take three units in successive years—viz. Latin I, Latin IIA, Latin IIIA.
Honours candidates will normally take six subjects over four years—viz. Latin I in 1st year, Latin IIA and IIB in 2nd year, Latin IIIA and IIIB in 3rd year and Latin IV in 4th year.

First Year
Latin I and Greek I and one or two other 1st year subjects.
N.B. Sanskrit I is recommended.

Second Year
Latin IIA, Latin IIB and Greek IIA.

Third Year
Latin IIB, Greek IIIA and Greek IIIB.
N.B. IIIA in each subject is equivalent to IIA plus IIB and takes the same examinations, therefore it is sufficient for candidates to take Latin IIB alone in their 3rd year as they have already reached the same standard of proficiency as Latin IIIA achieves during their 2nd year. They simply miss the advantage of reading three more texts of the same standard which are available to those taking honours in the one language alone. On the same principle in Greek IIIA, work in 3rd year enables the student to reach the level attained in 2nd year IIB work by pure Greek honours candidates. Candidates, in fact, will read slightly more books in Greek and do slightly more demanding composition in Latin over these three years.

Fourth Year
(1) Advanced prose or free composition in Greek.
(2) Advanced prose or free composition in Latin.
(3) A translation paper from unprepared Latin prose authors.
(4) A translation paper from unprepared Latin verse authors.
(5) A translation paper from unprepared Greek prose authors.
(6) A translation paper from unprepared Greek verse authors.
(7), (8), (9) and (10) Four special studies, each prepared in one class a week throughout the year. At least one shall be a Greek topic and at least one a Latin topic and at least one shall be a combined topic.
(11) Two halves—one in Greek Palaeography, Epigraphy or verse; the other in Latin Palaeography, Epigraphy or verse.

N.B. Seven hours instruction per week.

*Sanskrit I
A course of 4 hours per week covering basic grammar, two prescribed authors, prose composition in Sanskrit and unprepared translation.
TEXTS FOR 1970

A. GREEK

Pindar, C. M. Bowra, OCT.

Homer, Odyssey, XIII-XXIV, W. B. Stanford (Macmillan)

Sophocles, Ajax, W. B. Stanford (Macmillan)

Thucydidès I, E. C. Marchant (Macmillan)

Euripides, Bacchae, E. R. Dodds (Clarendon Press)

Herodotus II, W. G. Waddell (Methuen)

The Characters of Theophrastus (R. G. Ussher)

Euripides, Alcestis, E. H. Blakeney (Bell)

Xenophon, Anabasis II, A. S. Walpole (Macmillan)

B. LATIN

IIIB

Two special studies to be shared with IV.

Horace, Epistles II & Ars Poetica, A. S. Wilkins (Macmillan)

Horace: The Odes, J. E. Michie (Penguin)

Petronius, Satyricon, A. Ernout, (Bude)

Tacitus, Annals I, Furneaux (OUP)

Propertius, Bk. II, W. A. Camps (CUP)

Virgil, Aeneid II, R. G. Austin (OUP)

Martial, Epigrammata, W. M. Lindsay (OUP)

Cicero, Easy Selection of Correspondence, J. D. Duff & W. K. Lacey
                   (CUP)

Sanskrit I

A Sanskrit Reader, ed. C. R. Lanman (Harvard University Press).

Sanskrit Grammar for Beginners, A. A. Macdonnell, O.U.P.
The Economics units in the Arts degree are arranged rather differently from those in the Bachelor of Commerce degree. It is important that students show clearly on their enrolment form the Arts subject in which they wish to enrol followed by the title of each component of that subject. The subjects and their components are shown below.

Students following a major sequence in Economics, will attempt Economics I, Economics IIA, and Economics IIIA. However any student may also enrol in Economics IIB provided he has completed or is concurrently enrolled in Economics IIA. Similarly Economics IIB may be selected by students who have enrolled in or have passed Economics IIIA.

Students who intend to complete a major in Economics would be well advised to devise a programme which includes Geography, History, Psychology, or Mathematics. Those students who have a sound background in mathematics should note the possibilities for combining Mathematics and Economics units in the degree programme, while concentrating on aspects of quantitative economics.

Members of the staff of the Department will be available during the enrolment period to advise students on appropriate combinations of subjects, which will suit their requirements and interests.

Candidates for an honours degree in Economics are normally expected to enrol in Elementary Economic Statistics and Commerce Statistics at an appropriate stage of their course.

All Candidates intending to select Commerce Statistics, Statistical Analysis I, or Econometrics as part of the second or third year Economics units, are asked to note the pre-requisite arrangements shown at the end of the following list of subjects.

**ECONOMICS I**

(i) Microeconomics.

(ii) **ONE OF:**

(a) Elementary Economic Statistics.

(b) Applied Economics.

**ECONOMICS IIA**

(i) Macroeconomics.

(ii) Elementary Economic Statistics, if that subject was not taken in Economics I; otherwise,

**ONE OF:**

(a) Commerce Statistics*

(b) Statistical Analysis I*

(c) Monetary Economics

(iii) Candidates for the Honours Degree may be required to take some additional work prescribed by the Head of the Department of Economics

**ECONOMICS IIB**

(For students who are enrolled in Economics IIA or have already passed it)

**TWO OF:**

(i) Industry Economics

(ii) Labour Economics

(iii) Monetary Economics (if not taken previously)

(iv) Commerce Statistics* (if not taken previously)

OR

Statistical Analysis I* (if not taken previously)

**ECONOMICS IIIA**

(i) Fluctuations and Growth

(ii) Public Economics

(iii) International Economics

(iv) A candidate for an Honours degree in Economics who has passed only Economics I and IIA and is currently enrolled in Economics IIIA only may be required to take an additional subject prescribed by the Head of the Department of Economics.

(v) A candidate for the Honours degree may be required to take some additional work prescribed by the Head of the Department of Economics.

**ECONOMICS IIIIB**

(For students who are enrolled in Economics IIIA or have already passed it)

(i) Econometrics*

(ii) Mathematical Economics

(iii) Seminars in Economic Theory and Problems

(iv) History of Economic Thought

(v) Industry Economics OR Labour Economics OR Monetary Economics (if not taken previously)

(vi) Commerce Statistics OR Statistical Analysis I* (if not taken previously)

Candidates for an Honours degree must have their selection of subjects approved by the Head of the Department of Economics.
ECONOMICS IV

(i) Advanced Economic Analysis, four major topics
(ii) Thesis embodying results of a research investigation

ENTRY TO FINAL HONOURS SUBJECT

The standard for entry to Economics IV will be determined finally by the Head of the Department of Economics, but the normal requirement will be passes at credit level in the second and third years.

PREREQUISITE SUBJECTS*

1. Elementary Economic Statistics is a pre-requisite for Commerce Statistics and Statistical Analysis I, except that candidates who have successfully completed Mathematics I and Economics I (including Applied Economics) may with the permission of the Head of the Department of Economics proceed directly to Commerce Statistics or Statistical Analysis I.

2. Commerce Statistics or Statistical Analysis I is a pre-requisite for Econometrics (in Economics IIIB). Candidates who intend to select Econometrics are advised to enrol in Statistical Analysis I in Economics IIA or IIB.

TRANSFER SUBJECTS

The transfer subjects in Economics are available only to those undergraduates who passed Economics I or Economics II in Newcastle University College before the beginning of the 1963 academic year, or those candidates who have completed a subject or subjects in Economics from another University and are directed by the Admissions Committee to take these subjects.

THE PROPER TITLE OF THE SUBJECT MUST BE SHOWN ON THE ENROLMENT FORMS AND OTHER STATEMENTS COMPLETED BY THE UNDERGRADUATE.

ECONOMICS IIAT

(i) Microeconomics.
(ii) Elementary Economic Statistics if that subject, or its equivalent, was not taken before; otherwise, ONE OF:
(a) Commerce Statistics OR Statistical Analysis I.
(b) Monetary Economics.

Candidates for the Honours Degree may be required to take some additional work prescribed by the Head of the Department of Economics.

ECONOMICS IIIB

Same as for Economics IIB.

ECONOMICS IIIAT

(i) Macroeconomics.
(ii) Public Economics.
(iii) International Economics.
(iv) A candidate for an Honours degree in Economics may be required to take an additional subject as prescribed by the Head of the Department of Economics, if the candidate has passed Economics IIAT but not Economics IIIB, and is currently enrolled in Economics IIAT only.

ECONOMICS IIIIB

Candidates can only enrol in this unit if they concurrently enrol in or have already passed Economics IIIAT.

TWO OF:
(i) Econometrics.
(ii) Mathematical Economics.
(iii) Seminars in Economic Theory and Problems (only if Economics IIIAT has already been passed).
(iv) History of Economic Thought (only if Economics IIIAT has already been passed).
(v) Industry Economics or Labour Economics or Monetary Economics (if not taken previously).
(vi) Fluctuations and Growth (only if Economics IIIAT has already been passed).
(vii) Commerce Statistics or Statistical Analysis I (if not taken previously).

Candidates for the Honours Degree must have their selection of subjects approved by the Head of the Department of Economics.
**ECONOMICS I**

**Microeconomics (Mr. Sherwood)**

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.

(3 hours lectures and tutorials per week)

**READING LIST**

**PRELIMINARY READING** (intended mainly for students who have not studied Economics before).


**BOOKS RECOMMENDED FOR PURCHASE.** At least one of the following:


J. S. Bain: *Price Theory* (John Wiley & Sons).


**MORE ADVANCED TEXTS**


M. Friedman: *Price Theory—A Provisional Text* (Aldine Press).

W. Ryan: *Price Theory* (Macmillan).


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**Elementary Economic Statistics**

This is an introductory course beginning with an examination of the place of, and need for, statistics in a modern society and the collection, classification and presentation of statistical data. Methods of describing statistical data, including measures of central tendency and measures of dispersion, are then dealt with.

Other topics covered are simple linear regression and correlation, the analysis of time series, including trend and seasonal variation, and the computation of index numbers. There is also an introduction to the theory of probability and to sampling and sampling errors.

(2 hours lectures per week for 2 terms)

**READING LIST**

**PRELIMINARY READING**


**TEXT BOOK**

Stehpen P. Shao: *Statistics for Business and Economics* (Merrill).

**Applied Economics**

This course examines a number of economic topics of importance in the Australian economy. Areas of study include the following: the structure and use of national accounts, with reference to post-war Australia; post-war government economic objectives and policy; the relative performance of major producing sectors; the environment of Australian manufacturing industry—foreign investment and protection; patterns of Australia's foreign trade; productivity in industry; case studies of major Australian industries; wage bargaining and trade unions.

**PRELIMINARY READING**


ECONOMICS IIA

Macroeconomics

The course deals with the determination and measurement of the levels of income, employment and economic activity. Models of closed 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. The external sector and the government sector are incorporated in the lectures. The emphasis is on short-run models of aggregate economic behaviour.

(3 hours lectures and tutorials per week)

READING LIST

TEXT BOOKS

M. G. Mueller: *Readings in Macroeconomics*.


D. Bober: *Economics of Cycles and Growth* (Wiley).


RECOMMENDED READING


T. Wilson: *Inflation*.

Monetary Economics

Major aspects of the working of modern monetary systems, in theory and in practice, are studied. The following topics are covered: theory of the firm applied to domestic banking; the theory and practice of development banking; banking in less-developed economies; banking and financial institutions in Australia, the U.K. and the U.S.A.; current international financial institutions; the theory of price movements and interest rates and the analysis of inflation; techniques of monetary control; monetary policy in post-war Australia; current problems of international payments; the structure of the International Monetary Fund and its role in the finance of international trade.

PRELIMINARY READING


Commerce Statistics

After a discussion of the probabilistic nature of statistical inference this subject is explored in considerable depth. Besides the various sampling distributions, topics include hypothesis testing, analysis of variance, regression and correlation, analysis of covariance, multiple and curvilinear regression, nonparametric methods and sampling design.

(2 or 3 hours per week)

Statistical Analysis I (Mr. McShane)

In the first part of this course a study is made of the basic ideas of statistical inference. While in the second part of the course a detailed examination is made of both the Input-Output and Linear Programming techniques of analysis.

TEXT BOOKS


RECOMMENDED READING


ECONOMICS IIB

Labour Economics (Professor Gordon)

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 distributions 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.

(2 hours per week)

PRELIMINARY READING


RECOMMENDED READING


Industry Economics (Mr. Holmes)

The topics covered in this course have been selected to probe more deeply into certain conditions and problems that have important economic effects on industrial activity and to provide application (particularly Australian) of some of the microeconomic principles previously acquired. As such, some of the subjects dealt with are: the practical consequences of uncertainty on industrial investment rate-of-return forecasting, pricing practices, and effective barriers to entry; the economic aspects of advertising; the impact of the international corporation; the approach to, and, effectiveness of legislation against restrictive trade practices in Australia and overseas; the scope for, and control of public enterprises; and the growing importance of the service industries.

READING GUIDE

O. J. Firestone: The Economic Implications of Advertising (Methuen, 1967).

ECONOMICS IIIA

Fluctuations and Growth

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, the Middle East and Europe.

(2 hours per week)

READING LIST


Public Economics (Mr. Dickinson)

Public economics is a study of Government intervention in the economy through the budget. It is concerned, therefore, with taxes and with government expenditure. The analysis of the effects of such personal taxes as a poll tax, income tax and wealth tax on savings, consumption and work effort is followed by an analysis of business taxes such as company tax and sales tax. There is a discussion of other possible taxes, notably an expenditure tax, a capital gains tax and a tax on value added. The relation between the budget and the level of employment is then examined. Topics covered include the multiplier impact of the balanced budget, the use of taxation and government expenditure to achieve stability and the notion of capacity to pay taxes. There is also an examination of the problems of the national debt, of inter-governmental financial relationships, and of the place of fiscal policy in economic development.

(2 hours per week)
READING LIST


J. F. Due: Government Finance: Economics of the Public Sector (Irwin).


R. L. Mathews: Public Investment in Australia (Cheshire).


International Economics (Mr. Sherwood)

This course begins with a study of the theories of international trade in its non-monetary aspects. From the traditional analysis the theory is extended to examine such problems as the effect of economic growth on trade and the role of international trade in economic development. The theory of restrictions on trade is discussed with particular emphasis on the role of tariffs and of customs unions. This is followed by analysis of balance of payments problems and of various policies of adjustment, such as internal deflation, devaluation and direct controls. The course then considers certain theoretical aspects of international capital movements and the implications of Australia's capital inflow. It goes on to examine the present international monetary system and its reform. The final section reviews Australia's changing pattern of foreign trade and payments and assesses relevant economic policies.

(2 hours per week)

READING LIST


D. A. Snider: Introduction to International Economics (Irwin).


D. A. Snider: International Monetary Relations (Random House paperback).

L. B. Yeager: The International Monetary Mechanism (Holt, Rinehart & Winston paperback).


ECONOMICS III B

Seminars in Economic Theory and Problems

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 advanced students, and its content may vary from time to time according to the interests of those involved.

(2 hours per week)

Econometrics (Mr. McShane)

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, elementary mathematical statistics, the two variable linear model and extensions of it, the major problems in linear estimation, and an introduction to simultaneous estimation.

(2 or 3 hours per week)

READING LIST

TEXT BOOKS


L. A. Klein: An Introduction to Econometrics (Prentice-Hall)

RECOMMENDED READING

T. Yamane: Mathematics for Economists (Prentice-Hall).

A. Goldberger: Econometrics (Wiley).

E. Malinvaud: Statistical Methods of Econometrics (North-Holland).

G. Hadley: Linear Algebra (Addison-Wesley).


Mathematical Economics

This subject is concerned with applications of mathematical techniques to theories of fluctuations, growth and allocation. Some treatment of programming applications in economics.

(Approximately 3 hours per week)

NOTE: This subject will not be offered in 1970.
ECONOMICS IV

1. (a) Advanced Economic Analysis

This subject comprises advanced treatment of four major selected topics in economic analysis.

AND

(b) Thesis based upon a supervised research investigation.

Topics to be offered in 1970 include

(a) Industry Economics (Honours) (Dr. Aislabie)

The first part of the course made of the conventional theory of the firm dealt with in Microeconomics. After discussing which criticisms are relevant to the study of Economics attention is focussed on the theories of Baumol, Penrose, Edwards and Marris. This part of the course concludes with an evaluation of attempts to use empirical studies to discriminate between the alternative theories.

The second part of the course is more inductive in character being concerned largely with empirical research into the firm's response to technological change. After the history of research into the economics of R and D (research and development) has been traced, an evaluation is made of Mansfield's econometric analysis of the problem. The course is concluded with an examination of what we learn from other sources including attempts to measure the causes and effect of technological change at a higher level of aggregation.

TEXTBOOKS

W. J. Baumol: Business Behaviour, Value and Growth.
E. Mansfield: Industrial Research and Technological Innovation: An Econometric Analysis.

(b) Welfare Economics (Mr. Dickinson)

This course begins with a discussion of the concept of welfare in general and economic welfare in particular, and then introduces the problems associated with the necessary and sufficient conditions for policy changes, valuation of national income, and assessment of the desirability of competition. Classical and Neo-Classical theories are examined, and compared with the "New Welfare Economics."

In the second half of the year more recent theories and discoveries are discussed and analysed.

READING LIST

RECOMMENDED READING

E. Mishan: Welfare Economics.
De V. Graaf: Theoretical Welfare Economics.
A. Pigou: The Economics of Welfare.

(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.

READING LIST

(d) History of Economic Thought (Professor Gordon)

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, Bohm-Bawerk; Alfred Marshall; Knut Wicksell’s American contributions; the development of trade cycle theory.

READING LIST

PRELIMINARY READING

E. Roll: *A History of Economic Thought* (Faber).

RECOMMENDED READING


(e) Econometrics (Mr. McShane)

This subject may be taken by final year candidates in 1970 who have adequate preparation.

For outline and reading list see Economics IIIIB.

GENERAL

The Department offers subjects at the Part II (Education IIA) Part III Education IIIA and IIIB) and Part IV (Honours) level for the B.A. degree. At the postgraduate level courses leading to the Diploma in Education and the degree of Master of Education are provided.

There is no specific subject prerequisite for Education IIA but before admission to this subject a student must have obtained passes in at least three other subjects, except that on the recommendation of the Head of the Department of Education this requirement may be reduced in special circumstances.

Students intending to study Education IIIA are advised to take Psychology I.

Education IIIB may be taken only by students who have gained at least credit standard in Education IIA, and have completed or are currently studying Education IIIA.

Candidates intending to seek admission to Education IV (Honours) should in general make initial application to the Head of the Department after the completion of Education IIA, and obtain approval for their subsequent degree programme. Final acceptance as a candidate for honours will depend on merituous performance in Education IIA, Education IIIA and supporting subjects. Candidates must have completed Education IIIA and one other approved Part III subject which may be Education IIIB.

In general, each of the undergraduate subjects will be examined by two written papers and there will be a number of exercises and essays throughout the year which will contribute to the final assessment.

EDUCATION IIA

(3 hours lecture, 1 hour tutorial)

An introduction to education as a function of society. The course will include a study of the history of education in Western Europe and major philosophical contributions, and an examination of the relations between social organisation and education in the United Kingdom, the United States, Australia, and other selected countries.

TEXTBOOKS

(a) HISTORY OF WESTERN EDUCATION


OR


OR

(b) SOCIAL AND COMPARATIVE ASPECTS OF EDUCATION

Cramer, J. F. & Browne, G. S.

Hodgkinson, H. L.

Vaizey, J.

REFERENCES

Baron, G.

Bereday, G. Z. F.

Butts, R. F.

Connell, W. F.

Fletcher, B.

Hanson, J. W. & Brembeck, C. S.

King, E. J.

Partridge, P. H.

Spolton, L.

Woodring, P.

EDUCATION IIIA

(3 hours lecture, 1 hour tutorial)

(a) AN INTRODUCTION TO EDUCATIONAL PSYCHOLOGY

The implications of psychological theories, principles and findings for the process of education and the application of psychological methods to educational problems. Individual behaviour and social interaction in the teaching-learning situation.

A modified course will be provided for students who have completed Psychology II at the University of Newcastle.

Students who have not completed Psychology I will be required to complete a course of preliminary reading during the vacation.

(b) RESEARCH METHODOLOGY IN EDUCATION

The course to have two strands, one giving a basic account of relevant types of research, source material and associated strategies; the other will cover measurement and evaluation of learning, including test construction, descriptive and inferential statistics, and elementary experimental design. (It will be assumed that students have done a basic course in elementary statistics before entering on this course. Students who have not completed an elementary course in statistics will be required to complete a course of preliminary reading during the vacation).

TEXTBOOKS

Guilford, J. P.

Van Dalen, D. B.

REFERENCES

Amore, S. J.

Cronbach, L. J.


EDUCATION III B

(4 hours per week (seminars))

(a) MODERN THEORIES IN EDUCATION (2 hours per week)

This course includes a survey of educational theory in 19th Century England and Germany, progressive education in the United States, and Marxist-Leninist theories. A number of English and American educational theorists will be studied in more detail.

TEXTBOOKS


(b) THE DEVELOPMENT OF EDUCATION IN NEW SOUTH WALES (2 hours per week)

This course includes surveys of major aspects of education in New South Wales in the 19th and 20th centuries, including elementary and primary education, superior and secondary education, higher education, the control of education, the examination system, methods of instruction, and theories of educational psychology.

TEXTBOOK


EDUCATION IV

The content of this course will be designed to meet the needs and interests of individual students, and will require full-time study for one academic year or when taken by part-time students will be extended over two years. It will include:

(a) advanced work in research methodology;
(b) a study of selected problems in education;
(c) an investigation of a topic selected in consultation with the Head of the Department.

A full report of the investigation must be submitted. In addition to such written papers as may be required there will be an oral examination.
DIPLOMA IN EDUCATION

GENERAL

The courses for the Diploma in Education are offered by the University but students may be expected to attend some classes at Newcastle Teachers College.

The content of the courses for the Diploma is under review and the following descriptions may be modified.

Alternative courses may be provided for students who have included studies of Education in their degree programme.

EDUCATION A
(3 hours per week)

(a) EDUCATION IN AUSTRALIA including history of education, contemporary practice and an introduction to comparative studies.

(b) INTRODUCTION TO THEORY OF EDUCATION — A study of the views of influential writers concerning the nature and purpose of education.

TEXTBOOKS

(a) EDUCATION IN AUSTRALIA
Barcan, A.  

One of the following:
Cowan, R. W. T.  

McLaren, J.  

(b) INTRODUCTION TO THEORY OF EDUCATION
Nash, P.  

Ulrich, R.  

EDUCATION B
(2 hours per week)

Psychological foundations of education, including developmental psychology, personality theory, and learning theory.

TEXTBOOKS

Backman, C. W. & Secord, P. F.  

Blair, G. M. & Jones, R. S.  

Gnagey, W. J.  

Hudgins, B. B.  

Phillips, John L.  

Reynolds, G. S.  

Simpson, R. H.  

GENERAL PRINCIPLES OF TEACHING
(2 hours per week, and demonstrations)

This course will examine some of the variables common to all teaching tasks. It will be organised under the following broad headings: the pupils, the classroom environment, the school, the teacher's task, the curriculum, teaching goals, and teaching aids.

TEXTBOOKS

Clark, L. H. (ed.)  

Hight, G.  

Pipe, Peter  

Popham, W. James  

Richmond, W. Kenneth  

Shumsky, A.  

Skinner, B. F.  
EDUCATIONAL MEASUREMENT

(2 hours per week)

Basic educational statistics; test construction; evaluation of educational objectives; interpretation of examination results.

TEXTBOOKS

Ahmann, J. S. & M. D. Glock

OR

Gronlund, N. E.

REFERENCES

Lindvall, C. M.

Noll, V. H.

Remmers, H. H., Gage, N. L. & Rummel, J. F.

Smith, F. M. & Adams, S.

TEACHING METHODS

Details of the available method subjects will be provided on request. Each student preparing for secondary teaching is required to select two method courses; the general prerequisite for a method course is two years of university study of the appropriate subject.

PRACTICE TEACHING

All students are required to undertake teaching practice as arranged during the year. The first period of practice will be for two weeks during the vacation before First Term.

DEPARTMENT OF ENGLISH

GENERAL

The courses offered by the Department comprise English I, English IIA, English IIB, English IIC, English IIIA, English IIIB, English IIC, and English IV. Pass students majoring in English must read English I, English IIIA, and English IIIB, and may read, in addition, English IIB or IIC and English IIIB or IIC.

Students wishing to take an Honours Degree in English must read English IV. In order to qualify for entry to English IV, a student must normally have, either, (a) passed at credit level or better in two major sequences of English (that is, have passed in English I and all four of the second and third year subjects), or, (b) passed in one major sequence of English (English I, English IIA, English IIIA) and in a major sequence in another subject. Students will be accepted into English IV under (b) only at the discretion of the Head of Department.

The "B" or "C" courses in second and third year may normally be read only by those students who are currently reading, or have previously passed in, the corresponding "A" course. The "B" and "C" courses are mutually exclusive options except that in approved circumstances students may be allowed to combine elements from them (see below under English IIB and English IIIB).

Intending students of English IV should note that this is a full-time course. Part-time students may read English IV, but will normally be required to study it in two halves, over a period of two years.

ENGLISH I (3 hours lectures, 1 hour tutorial 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 specialized studies of English II. The course comprises the following sections:

1. MODERN NOVEL
2. MODERN POETRY
3. MODERN DRAMA
4. ENGLISH LANGUAGE STUDIES.

The literature sections are designed as an introduction to the major forms of English literature. The texts will be studied to some extent historically as well as critically, and will also be used as a basis for examining certain general problems in literary and critical theory.

Students are recommended to read Legouis and Cazamian's History of English Literature (Dent).
1. MODERN NOVEL
Conrad:
Heart of Darkness (Dent)

Forster:
Howards End (Penguin)

Joyce:
A Portrait of the Artist as a Young Man (Penguin)

Hemingway:
A Farewell to Arms (Penguin)

Lawrence:
Lady Chatterley's Lover (Penguin)

Scott Fitzgerald:
The Great Gatsby (Penguin)

Amis:
Take a Girl Like You (Penguin)

Heller:
Catch-22 (Corgi)

2. MODERN POETRY
Mack, Dean & Frost (eds.):
Modern Poetry (Prentice-Hall)

3. MODERN DRAMA
Ibsen:
Hedda Gabler (Penguin)

Synge:
Playboy of the Western World (Everyman)

Shaw:
Arms and the Man (Penguin)

O'Casey:
Juno and the Paycock (St. Martin's Library)

Brecht:
Parables for the Theatre (Penguin)

Thomas:
Under Milk Wood (Aldine/Dent)

Beckett:
Waiting for Godot (Faber)

Pinter:
The Birthday Party (Methuen Paperbacks)

Behan:
The Hostage (Methuen Paperbacks)

Arden:
Sergeant Musgrave's Dance (Methuen Paperbacks)

Albee:
Who's Afraid of Virginia Woolf? (Penguin)

Orton:
Entertaining Mr. Sloane (Penguin: New English Dramatists, 8)

4. ENGLISH LANGUAGE STUDIES
Francis, W. Nelson:
The English Language: An Introduction.
(W. W. Norton & Co., New York)

ENGLISH IIA (3 hours lectures, 1 hour tutorial per week)

1. 18th AND 19th CENTURY FICTION
Swift:
Gulliver's Travels (Penguin)

Defoe:
Moll Flanders (Signet)

Richardson:
Pamela, Vol. 1 (Everyman)

Fielding:
Joseph Andrews and Shamela (Battestin, ed.; Methuen)

Smollett:
Tom Jones (Penguin)

Austen:
Emma (Penguin)

E. Bronte:
Wuthering Heights (Penguin)

C. Bronte:
Jane Eyre (Penguin)

Dickens:
Bleak House (Signet)

2. 18th AND 19th CENTURY POETRY
Dryden:
Selected Works, ed. Frost (Rinehart)

Pope:
Selected Poems, ed. Butt (University Paperbacks)

Blake:
Selected Poetry and Prose, ed. Frye (Modern Library College Edition)

Wordsworth:
Selected Poetry, ed. Van Doren (Modern Library College Edition)

Coleridge:
Selected Poetry and Prose, ed. Schneider (Rinehart)

Byron:
Poetical Works (Oxford Standard Authors)

Shelley:
Selected Poetry and Prose, ed. Bloom (Signet Classics)

Keats:
Selected Poetry and Prose, ed. de Man (Signet Classics)


3. MIDDLE ENGLISH LANGUAGE AND LITERATURE
Robinson, ed.:
The Works of Geoffrey Chaucer, 2nd ed. (Oxford)

4. SHAKESPEARE'S TRAGEDIES
Romeo and Juliet (New Cambridge)
Timon of Athens (New Cambridge)
Hamlet (New Cambridge)
Othello (New Arden)
King Lear (New Arden)
Macbeth (New Arden)

No particular edition is prescribed, but the above are recommended.
1. 19th AND 20th CENTURY FICTION
Details of texts may be obtained from the Department.

2. 19th AND 20th CENTURY POETRY
Tennyson: *Collected Works* (Oxford Standard Authors)
Arnold: *Poems* (Oxford Standard Authors)
Browning: *Poems and Plays* (Modern Library Edition)
Hopkins: *Selected Poems* (Penguin)
Carr (ed.): *Victorian Poetry* (Rinehart)
Buckley (ed.): *The Pre-Raphaelites* (Modern Library Edition)
Yeats: *Collected Poetry* (Macmillan)
Eliot: *Collected Poems, 1909-1962* (Faber)
Auden: *Collected Shorter Poems, 1927-1957* (Faber)

3. 19th AND 20th CENTURY DRAMA
The following dramatists will be studied: Shaw, Yeats, Synge, O'Casey, O'Neill, Eliot, Arden, Beckett, Pinter.
Details of texts may be obtained from the Department.

ENGLISH IIB AND ENGLISH IIIB
(1) The following course-components will be offered in alternate years:

<table>
<thead>
<tr>
<th>1970, 1972, etc.</th>
<th>1971, 1973, etc.</th>
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<tr>
<td>Elizabethan and JACOBÉAN DRAMA</td>
<td>American Literature</td>
</tr>
<tr>
<td>17th Century Poetry</td>
<td>Special Authors/Special Topics</td>
</tr>
<tr>
<td>Prose Fiction (A)</td>
<td>Prose Fiction (B)</td>
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(2) Each component will normally consist of 30 class-hours.

(3) In any one year all students of IIB and IIIB will study the same course, except that, with the prior approval of the Head of Department, any student may substitute, for one component of the course, one component from the IIC/IIIC course. (N.B.: A component designated "III" cannot be read until a student has already passed the corresponding component designated "II").

(4) No component which has been credited towards a pass in IIB may subsequently be credited towards a pass in IIIB.
DEPARTMENT OF FRENCH

GENERAL

The Department offers the following courses: French I, French IIA, French IIB, French IIIA, French IIIB, and French IV. Students wishing to take an Honours degree in French are expected to have passed French I and the four second and third year subjects. (However under special circumstances and at the discretion of the Head of the Department students with a pass in fewer than five courses in French may be accepted into French IV). The “B” courses in second and third year will normally be taken only by those students who are enrolled in, or have passed in, the corresponding “A” course.

FRENCH I

(5 hours per week of lectures and tutorials. Regular assignments form an integral part of the course and of the annual assessment).

(i) Literary and linguistic analysis of a number of twentieth-century prose works (plays, novels, essays).

(ii) A survey of French poetry from the Middle Ages to the present day, against its social, historical and artistic background.

(iii) Training in linguistic competence (grammar; translation; the theory and practice of phonetics; reading aloud and conversation; dictation).

PRESCRIBED BOOKS

Camus : Le Mythe de Sisyphe (Livre de poche)
Camus : Caligula/Le Malentendu (Livre de poche)
Malraux : La Voie royale (Livre de poche)
Pagnol : La Femme du boulanger (Livre de poche)
Sartre : Le Mur (Livre de poche)
Sartre : Huis clos/Les Mouches (Livre de poche)
Duras : Moderato cantabile (10 x 18)
St. John Lucas/ Mansell Jones (ed.) : The Oxford Book of French Verse (Clarendon)

SECOND AND THIRD YEAR COURSES

The second and third year courses in French are intended to cover the major topics in French literature from the Middle Ages to the present day. They do this over a two-year period: e.g. in 1970 they will cover the 18th, 19th and 20th centuries, apart from 20th-century drama; in 1971 they will cover the Middle Ages, 16th and 17th centuries, and 20th-century drama. (However, as a transition arrangement, French IIIB will take a slightly different form in 1970 only: see below). Spoken and written practice in the use of the French language forms an integral part of all second and third year courses. The courses for 1970 are set out below.

FRENCH IIA

(5 hours a week of lectures and tutorials. Regular assignments form an integral part of the course and of the annual assessment).

(i) A survey of eighteenth-century literature.

(ii) Poets and poetic movements of the nineteenth century, with special study of Hugo’s Contemplations.

(iii) Poets and poetic movements of the twentieth century.

(iv) Nineteenth-century realistic fiction.

(v) The earlier twentieth-century novel.

(vi) Spoken and written practice in the use of contemporary French.

PRESCRIBED BOOKS

Marivaux : Le Jeu de l’amour et du hasard (Petits Classiques Bordas)
Prévost : Manon Lescaut (Garnier-Flammarion)
Voltaire : Candide (ed. Crocker) (University of London Press)
Voltaire : Contes (ed. Preston) (Oxford University Press)
Hugo : Les Contemplations (Livre de poche classique)
Balzac : Eugénie Grandet (Garnier-Flammarion)
Flaubert : Trois Contes (Garnier-Flammarion)
Zola : Germinal (Livre de poche)
Alain Fournier : Le Grand Meaulnes (Livre de poche)
Proust : Pages choisies (Classiques Vaubourdolle)
Helbling & Barnett : Le Langage de la France moderne (Holt, Rinehart & Winston)

**FRENCH IIB** (4 hours a week of lectures and tutorials, plus regular assignments. This course involves more written work than does the corresponding “A” course).

(i) The eighteenth-century novel, with special reference to the development of the novel genre.

(ii) Nineteenth-century poetry, with special reference to the development of Symbolism.

(iii) Twentieth-century poetry, with special reference to Paul Valéry.

(iv) Nineteenth-century romantic fiction.

(v) The novel since 1930.

(vi) Spoken and written practice in the use of contemporary French.

**PRESCRIBED BOOKS**

- Diderot : La Religieuse (Garnier-Flammarion)
- Laclos : Les Liaisons dangereuses (Garnier-Flammarion)
- Lesage : Gil Blas (extraits) (Classiques Larousse, 2 vol.)
- Rousseau : La Nouvelle Héloïse (extraits) (Classiques Larousse)
- Scarfe (ed.) : Baudelaire (The Penguin Poets)
- Baudelaire : Le Spleen de Paris (Livre de poche)
- Valéry : Poésies (Gallimard/N.R.F.)
- Chateaubriand : Atala/René (Garnier-Flammarion)
- Constant : Adolphe (Garnier-Flammarion)
- Merimée : Carmen et autres nouvelles (Livre de poche classique)
- Camus : La Peste (Livre de poche)
- Sarraute : Le Pléniarum (Livre de poche)
- Sartre : La Nauséa (Livre de poche)
- Helbling and Barnett : Le Langage de la France moderne (Holt, Rinehart & Winston)

**FRENCH IIIA**

As for French IIA, with the addition of:


**FRENCH IIIB** (4 hours a week of lectures and tutorials, plus regular assignments. This course involves more written work than does the corresponding “A” course).

(i) The eighteenth-century novel, with special reference to the development of the novel genre.

(ii) Sixteenth-century humanism.

(iii) The Pléiade.

(iv) Philological study.

**PRESCRIBED BOOKS**

- Diderot : La Religieuse (Garnier-Flammarion)
- Laclos : Les Liaisons dangereuses (Garnier-Flammarion)
- Lesage : Gil Blas (extraits) (Classiques Larousse, 2 vol.)
- Rousseau : La Nouvelle Héloïse (extraits) (Classiques Larousse)
- Rabelais : Pantagruel (ed. Saulnier) (Droz)
- Montaigne : Selected Essays (ed. Tilley & Boase) (Manchester University Press)
- Ronsard : Poésies choisies, 2 vol. (Classiques Larousse)
- Du Bellay : Oeuvres choisies (Classiques Larousse)

**FRENCH IV**

Modern and Medieval French literature
Methods of criticism
Research techniques, bibliography
DEPARTMENT OF GEOGRAPHY

GEOGRAPHY I

6 hours per week (2 hours lectures, 1 hour tutorial, 3 hours of practical work). Four days of field work are an integral part of the course. A final examination of two papers each of three hours.

The three strands to this course are designed to introduce students to the earth as the home of man and to basic techniques required for this study.

(a) Practical Geography. The practical class of 3 hours per week is designed to enable students to gain proficiency in, and an understanding of, the tools of geographical analysis. It contains three sections:

(i) An introduction to the mechanics of reading and interpreting topographic maps. An integral part of this section is a one-day excursion designed to develop a basic frame of geographic reference and elementary field work skills.

(ii) The cartographic representation of quantitative data in distribution maps and diagrams.

(iii) An introduction to the statistical organisation and interpretation of quantitative data.

(b) A study of the processes resulting in and the integration of landforms, climate, soil and vegetation. Two days of field investigation are associated with this aspect of the course.

(c) A study of the evolution and patterns of world population and settlement. One day of field investigation is included in this part of the course.

PREScribed BOOKS

A set of four topographic maps and a basic set of cartographic instruments. (Advice on these items will be given at the beginning of the practical course.)


GEOGRAPHY IIA

6 hours per week (4 hours of lectures, two hours practical/tutorial). The subject involves ten days field work. A final examination of four papers each of two hours.

The four strands of this course review aspects of the interactions within the human ecosystem.

(a) Historical Geography. A course of about 30 lectures with associated seminars and practical exercises and field work designed to develop an appreciation of the time element and the concept of change in geographic study.

(b) Economic Geography. A course of about 30 lectures with associated seminars, practical exercises and field work. This introductory course will consist of an outline of the methods and concepts of economic geography, and selected studies of the location of agricultural, of manufacturing and of tertiary economic activity.

(c) Geomorphology. A course of about 30 lectures with associated practical exercises and field work. The course deals with the problematics of landform development as related to Cenozoic diastrophism, climate change and sea level change and with palaeomorphs, palaeosols (K cycles) and the zonal/azonal concept in physical geography. Fluvial processes and landforms, slope development and planation theories, and marine (and tidal) processes and coastal landforms are treated in some detail.

(d) Climatology. A course of about 30 lectures with associated seminars and practical work. The course is concerned with the exchanges and transformations of solar energy and of water as these occur at the earth-atmosphere interface. These studies are organised into the frameworks of the radiation, heat and water budgets and the spatial variations of these.
GEOGRAPHY IIIA

5 hours per week. Ten days’ field work are an integral part of the subject. A final examination of three papers, each of three hours. There are two strands to the subject—

(a) **Advanced Economic Geography.** A course of about 40 lectures with associated seminars, practical exercises and field work. This course will expand consideration of the theory and empirical content of economic geography with particular emphasis on selected case studies in the location of manufacturing industry. Practical classes will be chiefly concerned with the method of analysis useful in economic geography. The lectures will fall into four major sections—

i. an introductory conceptual section which develops the manufacturing component studied in Geography IIA;

ii. an examination of selected aspects of location theory;

iii. a discussion of some methods of locational analysis;

iv. an introduction to selected aspects of regional economics.

(b) **Urban Geography.** A course of about 40 lectures and seminars, practical exercises and field work. The practical and field programme is concerned with the use of analytical devices in urban-social geography and the lecture course includes the following topics:

The growth and development of the city in “Western” cultures, intra-urban and inter-urban networks, central place systems, urban growth and planning, and urbanisation in developing countries. Students will be expected to have read J. H. Johnson: *Urban Geography: An Introductory Analysis*, before this course begins.

PRESCRIBED BOOKS

- **Mitchell, J. B.:** *Historical Geography*. English U.P.

- **Alexander, J. W.:** *Economic Geography*. Prentice Hall, 1964


- **Chisholm, M.:** *Geography and Economics*. Bell, 1966.

- **Chorley, R. J. & Haggett, P. (Eds.):** *Socio-Economic Models in Geography*. Methuen, University Paperback, 1967.


- **Fullard, H. & Darby, H. C.:** *The University Atlas*. George Philip and Sons.

**PRESCRIBED BOOKS**


- **Berry, B. L. J. & Marble, D. P.:** *Spatial Analysis*. Prentice Hall, 1968.

- **Haggett, P.:** *Location Analysis in Human Geography*. Arnold, 1965.


GEOGRAPHY IIB

5 hours per week. The course involves ten days' field work. A final examination of three papers each of three hours. The subject comprises two studies—

(a) **South-east Asia.** A course of about 40 lectures and associated seminars designed to study the regional variety which exists in the South-east Asian area. Because this is largely a developing area, the course work will concentrate on the study of the characteristics of underdevelopment and the areal manifestations of these characteristics.

(b) **The Conservation and Use of Natural Resources.** A course of about 40 lectures and associated seminars and field work designed to study the principles and practices of resource use in particular as these apply to water.

PRESCRIBED BOOKS

Fisher, C. A.: *South East Asia.* Methuen.


GEOGRAPHY IV (Honours)

This course is designed in part 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.

A final examination of three papers each of three hours. Seminars and field work will be offered in the following:

(a) The history and methodology of geographic study.

(b) The impact of man and society on nature.

(c) A systematic topic relating to the thesis work.

PRESCRIBED BOOKS

Thomas, William L.: *Man's Role in Changing the Face of the Earth.* Univ. of Chicago Press.


DEPARTMENT OF GERMAN

GERMAN for students not yet qualified for entry to GERMAN I

Three patterns of study are offered.

GERMAN (Introductory) and GERMAN I

(Pattern A; 8 hours per week including language laboratory and progressive testing)

This pattern is designed for students of proven linguistic ability wishing to pursue their study of the subject further in as short a time as possible.

Credit: 2 Units (See Regulations on Introductory Subjects page 67).

<table>
<thead>
<tr>
<th>Term 1</th>
<th>Hours per week</th>
</tr>
</thead>
<tbody>
<tr>
<td>1) Introduction to Literary Criticism (together with Pattern B)</td>
<td>1</td>
</tr>
<tr>
<td>2) Language Laboratory (exercises keyed to course)</td>
<td>1</td>
</tr>
<tr>
<td>3) Weekly progress test (also used for revision)</td>
<td>1</td>
</tr>
<tr>
<td>4) Elementary Course work</td>
<td>5</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Term 2</th>
<th>Hours per week</th>
</tr>
</thead>
<tbody>
<tr>
<td>1) Introduction to Literary Criticism (from Week 5: Problems in Literary Criticism together with GI)</td>
<td>1</td>
</tr>
<tr>
<td>2) &amp; 3) remain as for Term 1</td>
<td>2</td>
</tr>
<tr>
<td>4) Advanced course work, revision, translation</td>
<td>3</td>
</tr>
<tr>
<td>5) Detailed study of simpler literary texts</td>
<td>2</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Term 3</th>
<th>Hours per week</th>
</tr>
</thead>
<tbody>
<tr>
<td>1) Remains as for Term 2</td>
<td>1</td>
</tr>
<tr>
<td>2) Remains as for Terms 1 &amp; 2</td>
<td>1</td>
</tr>
<tr>
<td>3) Advanced course work, revision</td>
<td>1</td>
</tr>
<tr>
<td>4) Detailed study more difficult literary texts a) alone</td>
<td>2</td>
</tr>
<tr>
<td>Detailed study more difficult literary texts b) with GI</td>
<td>2</td>
</tr>
<tr>
<td>5) Translation (together with GI)</td>
<td>1</td>
</tr>
</tbody>
</table>

Examination: Same as GERMAN I with separate grading for performance in GERMAN (Introductory)

GERMAN (Introductory)

(Pattern B; 5 hours per week plus progressive testing)

This pattern is designed for students who, without wishing to specialize, will study the language with emphasis on literature and linguistics because of its general value as a useful element of an Arts Degree or because it supplements study in another language.

Credit: 1 Unit.

<table>
<thead>
<tr>
<th>Term 1</th>
<th>Hours per week</th>
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</thead>
<tbody>
<tr>
<td>1) Introduction to Literary Criticism (together with Pattern A)</td>
<td>1</td>
</tr>
<tr>
<td>2) Language Laboratory (exercises keyed to course)</td>
<td>1</td>
</tr>
<tr>
<td>3) Fortnightly tests</td>
<td>4</td>
</tr>
<tr>
<td>4) Elementary Course work</td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Term 2</th>
<th>Hours per week</th>
</tr>
</thead>
<tbody>
<tr>
<td>1) Text study</td>
<td>4</td>
</tr>
<tr>
<td>2) Language Laboratory</td>
<td>1</td>
</tr>
</tbody>
</table>

Examination: two 3-hour papers at end of year.

GERMAN (Introductory)

(Pattern C; 5 hours per week plus progressive testing)

This pattern is designed for students wishing to take the Introductory Course only, and intending to apply skills acquired in some other field of study.

Credit: 1 Unit.
Term 1
Follows Course B with either Literary Criticism or General Linguistics

Term 2
Same as Term 1 except that Literary/Linguistic option to be replaced by special text study from Week 5

Term 3
1) Language Laboratory
2) Texts together with Pattern B
3) Continue special text full time
4) Special study projects

Hours per week: 5½

Examination: two 3-hour papers at end of year.

TRANSITIONAL ARRANGEMENTS: GERMAN (Introductory)
Candidates who have failed German I in 1969, having attempted the course for beginners, may with the approval of the Head of the Department, re-enrol in either German (Introductory) or German I in 1970.

GERMAN I
(5 hours per week including language laboratory work)
This course is intended for students with a pass in German at the Higher School Certificate or the equivalent.

Language (Grammar, Oral practice, Translation)
Analysis of selected Modern German Texts
Introduction to Literary Criticism.

Examination
Language
1) 3-hr Language Paper 2) Short oral test

Literature
3) 3-hr Texts Paper 4) 2-hr. Theory of Criticism Paper

GERMAN II
Two courses are offered. GERMAN IIA is intended for students who have successfully completed GERMAN I. GERMAN IIB is intended for those wishing to concentrate on German studies. It may be taken in conjunction with or subsequently to GERMAN IIA and will count as a full course.

Courses common to both IIA and IIB:

a) Language Laboratory and other Oral Practice (one hour per week)
b) Seminar: Criteria of relevance in interpreting individual texts (two hours per fortnight in Terms 2 and 3)

GERMAN IIA

a) Language: Translation (German/English, English/German), German Essay writing and other Language Exercises (one hour per week).
b) Literature: All classes in literature will be given on a fortnightly basis. They are not intended as exhaustive surveys but should rather serve as a stimulus to discussion and the writing of essays on the topics treated. Each class involves active participation and may require written assignments.

Topics:
3. Symbol, Metaphor and Allegory: The use of these related terms in relation to some works by Hofmannsthal and Kafka.
4. Oeuvre Criticism: The study of several works of Brecht within the context of his complete oeuvre.
5. Middle High German Language and Literature: An introduction to an older form of German and some of its literary texts.
6. Metrical Analysis: The study of the contribution of the knowledge of prosody to the interpretation and evaluation of literary texts.
None of these topics is treated throughout the whole year. The following scheme shows their disposition in the year's programme:

<table>
<thead>
<tr>
<th>Term 1</th>
<th>Term 2</th>
<th>Term 3</th>
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</thead>
<tbody>
<tr>
<td>1st hour</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>2nd hour</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>3rd hour</td>
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<td>x</td>
</tr>
</tbody>
</table>

It will be seen from the above that students will spend 4 hours per week in Term 1 and 4/5 hours per week in Terms 2 and 3 in the classroom. It is assumed that individual students will spend some time discussing assignments they are required to write with members of staff concerned, with a view to planning the folder of essays to be submitted for the examination. Students are expected to read ahead of classes as far as possible, particularly for those topics which begin later in the year or are suspended for a term. An emphasis is placed on individual effort.

Examination:
1. One 3-hr. Translation Paper.
3. A folder of 4-8 essays, at least one for each member of staff concerned; length 2,500-5,000 words each, to be handed in for assessment by the Department at the beginning of the University Examining Period.

_N.B._ The essays chosen for submission may be _selected_ from those set as assignments during the year and may include revisions or expansions, or entirely new work on any of the topics studied may be submitted.

4. Viva on this folder, conducted by the Department immediately after the conclusion of the University Examining Period.

**GERMAN IIB**

a) _Language:_ Short essays in German to be submitted fortnightly for weekly assessment and discussion (1 hour per week).

b) _Literature:_ Most classes in Literature will be given on a fortnightly basis. They are not intended as exhaustive surveys but rather as a stimulus for discussion and the writing of essays on the topics treated. Each class involves active participation and may require written assignments.

<table>
<thead>
<tr>
<th>Term 3</th>
<th>Term 2</th>
<th>Term 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>1st hour</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>2nd hour</td>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>3rd hour</td>
<td>5</td>
<td>Sem.</td>
</tr>
</tbody>
</table>

It will be seen from the above that students will spend 2-3 hours per week in formal class work on literature and 1 hour per week discussing German essays with a tutor.
A student taking the A+B courses concurrently will spend 8-6½ hours in formal class work; a student taking the B course only will spend 5-4 hours in formal class work. It is assumed that individual students will spend some time discussing the assignments they are required to write with members of staff concerned, with a view to planning the folder of essays to be submitted for the examination.

**Examination:**
1. One 3-hr. Translation Paper
3. Folder of 4-8 essays as for German IIA.
4. Viva on this Folder as for German IIA.

**GERMAN III**

Two courses are offered. GERMAN IIIA is intended for students who have successfully completed GERMAN IIA. GERMAN IIB is intended for those wishing to concentrate on German studies. It may be taken in conjunction with or subsequently to GERMAN IIIB and will count as a full course.

**Courses Common to both GERMAN IIIA and IIIB**

a) Oral Practice (one hour per week)
b) Seminar: Criteria of Relevance in interpreting individual texts (2 hours per fortnight).

**GERMAN IIIB**

a) **Language:** Stylistics and essay-writing. A class on stylistics held fortnightly and short essays in German to be submitted each fortnight for assessment and discussion. (one hour per week).
b) **Literature:** Classes will be held weekly in Terms 1 and 2 and once a fortnight as individual tutorials in Term 3. Each class involves active participation and may require written assignments.

**Topics:**
1. Oeuvre Criticism: Schiller. The study of recurrent themes in some of Schiller's major works. (Terms 1 + 2).
2. Period Criticism: The concept of Literary History as a device for the study of literature. (Term 1).
3. Conceptual Frameworks: The relevance of Existentialism to the exegesis of Rilke's poetry. (Terms 1 + 2).
5. Genre Criticism: The Novellen of Heinrich von Kleist. (Term 2). (Note: These topics will not be offered until 1971. Students enrolling for IIIB in 1970 will follow the course of study as set out for GERMAN IIB but will pursue those studies more intensively than students enrolled for IIIB and will attend the GERMAN III Seminar).
Examination:

GERMAN IV

This course is intended for students who have shown high performance in the subjects studied, which will normally include at least three units of German.

Language: Translation, essay-writing and stylistic analysis. Medieval Literature Seminar (various topics). Research techniques. One topic for extensive individual research.

Examination:

1. One three-hour language paper
2. Folder of two essays, one medieval, one modern; length 2,500-5,000 words each.
   
   N.B. The essays chosen for submission may be selected from those set as assignments during the year and may include revisions and expansions;—or entirely new work may be submitted.

3. One extended essay of not less than 6,000 words on the topic chosen for individual research.
4. Viva on year’s work and extended essay.

GERMAN BOOK LIST 1970

(Subject to change according to availability of texts. Where an entry is marked with an asterisk, any edition may be used, otherwise students will be expected to have the edition prescribed).

REFERENCE BOOKS (useful for all years but not all used in classes):

- Farrell, R. B. et al.: German-Speaking Countries Today and Yesterday, Novak, Sydney, 1966
- Schmitt-Gorres: Abriss der deutschen Literaturgeschichte in Tabellen, Athenäum, Frankfurt, 1963

INTRODUCTORY GERMAN:

TEXTS FOR ALL THREE PATTERNS:

- Deutsche Prosa, Erzählungen seit 1945, DTV Sonderreihe Nr. 46, München, 1968

TEXTS FOR A & B ONLY:


TEXTS FOR C ONLY:


Other texts for C will be prescribed during the year.
GERMAN I

1. Language:
Yuill and Kolisko: *Practice in German Prose*, Macmillan, London, 1959

2. Introduction to Literary Criticism:

3. Analysis of Texts:
   
   **Term 1**
   *Goethe, J. W.:* *Die Leiden des jungen Werthers*, Reclam Nr. 67-67a

   **Term 2**
   Grillparzer, F.: *Der Arme Spielmann*, Reclam Nr. 4430
   Fontane, Th.: *Irrungen Wirrungen*, Ullstein, Frankfurt, 1960

   **Term 3**

GERMAN II

Texts Common to both IIA & IIB Seminar:


GERMAN IIA

(Serial numbers refer to the topics as set out in the description of courses)

2. Genre Criticism: The Modern Novel:
   Mann Th.: *Bekennnisse des Hochstaplers Felix Krull*, Fischer Bücherei, Nr. 639, Frankfurt, 1965

3. Symbol, Metaphor & Allegory:
   Kafka, F.: *Das Urteil und andere Erzählungen*, Fischer Bücherei, Frankfurt
   *Das Schlob*, Fischer Bücherei, Nr. 900, Frankfurt, 1968

4. Oeuvre Criticism:
   Brecht, B.: *Ausgewählte Gedichte*, Edition Suhrkamp, Nr. 86
   *Baal*, Edition Suhrkamp, Nr. 170
   *Im Dickicht der Städte*, Edition Suhrkamp, Nr. 246
   *Die heilige Johanna der Schlachthofe*, Edition Suhrkamp, Nr. 113
   *Der gute Mensch von Sezuan*, Edition Suhrkamp, Nr. 73
   *Das Leben des Galilei*, Edition Suhrkamp, Nr. 1
5. Middle High German Language & Literature:
Asher, J. : *A Short Descriptive Grammar of Middle High German*, O.U.P., Auckland, 1967
Sacker, H. : *An Introductory Middle High German Text*, Harrap, London, 1964

6. Metrical Analysis:

GERMAN III

1. Oeuvre Criticism:
Goethe, J. W. von : *Novellen*, Goldmann, Nr. 860, München, O. J.
*Epen*, Goldmann, Nr. 880, München, O. J.
*Die Wahlverwandtschaften*, Goldmann, Nr. 394, München, 1961
*Faust*, Hgg. Erich Trunz, Ch. Wegner Verlag, Hamburg, 1963 (same text as for the Seminar, study concentrates on Part II)

2. Oeuvre Criticism:
Mann, Thomas :
*Der Tod in Venedig*, Fischer Bücherei, Nr. 54, Frankfurt, 1954
*Buddenbrooks*, Fischer Bücherei, Nr. 661/662, Frankfurt, 1960
*Der Zauberberg*, Fischer Bücherei, Nr. 801, 802 (2 Vols.) Frankfurt, 1967

3. Genre Criticism, The Lyric:

GERMAN IIIA

1. Period Criticism: M.H.G.:
de Boor, H. (ed.) : *Das Nibelungenlied*, Brockhaus, Wiesbaden, 1965

3. Genre Criticism: Post-Classical Drama:
Tieck, L. : *Der gestiefelte Kater*, Reklam Verlag, Nr. 8916
Büchner, G. : *Woyzeck*, Reklam Verlag, Nr. 7733
*Grillparzer, F.: *Die Judin von Toledo*, Reklam Verlag, Nr. 4394
Hebbel, F. : *Maria Magdalene*, Reklam Verlag, Nr. 3173
Hauptmann, G.: *Vor Sonnenaufgang*, O.U.P., 1964 (Clarendon German Series)

Brecht, B.: *Der Kaukasische Kreidekreis*, Edition Suhrkamp, Nr. 31
*Mutter Courage und ihre Kinder*, Edition Suhrkamp, Nr. 49
*Einakter und kleine Dramen des Expressionismus*. Hg. von Horst Denkler, Reklam 8562-64

Dürrenmatt, F.: *Der Meteor*, Verlag Arche, Zürich, 1966

Frisch, M.: *Graf Oderland*, Edition Suhrkamp, Nr. 32

Kipphard, H.: *Joel Brand*, Edition Suhrkamp, Nr. 139

4. Genre Criticism, Bildungsroman:
* Novalis: *Hymnen an die Nacht*, Heinrich von Ofterdingen, Goldmann, München, 1938

Stifter, A.: *Der Nachsommer*, Goldmann, München; 1964

Keller, G.: *Der grüne Heinrich*, Goldmann, München, Nr. 778/780


GERMAN IIIIB
1. Oeuvre Criticism:
Schiller, F. von: *Die Räuber* (ed. Magill & Willoughby), Blackwell, Oxford, 1964 (or other ed. of the Trauerspiel)
* Don Carlos*, Reclam, Stuttgart, 1965
* Schriften zur Philosophie und Kunst*, Goldmann, München, 1964

3. Existentialist Framework:

4. Conceptual Frameworks: Psycho-Analysis & Marxism:
Büchner, Georg: *Werke und Briefe*, Dtv Gesamtausgabe, Nr. 70, München, 1965

Kleist, Heinrich von: *Sämtliche Novellen*, Goldmann, Nr. 386, München

GERMAN IV

Modern Seminar:
Schiller, F.: *Schriften zur Philosophie und Kunst*, Goldmann, München, 1964

Broch, H.: *Der Tod des Vergil*, Dtv, Nr. 300, München, 1966

Loerke, Oskar: *Gedichte und Prosa*, Suhrkamp, Frankfurt, 1958

Medieval Seminar:


Research Techniques:

Raabe, P.: *Einführung in die Bücherkunde zur deutschen Literaturwissenschaft*, Sammlung Metzler, 1961

Quellenkunde zur neueren deutschen Literaturgeschichte, Sammlung Metzler, 1962
(All three published by J. B. Metzlersche Verlag, Stuttgart)
DEPARTMENT OF HISTORY

History is essentially a reading subject, and students are urged to read as widely as possible. The book lists are not intended to be final or conclusive. They represent merely the basic reading. Students are advised to purchase as many of them as funds will allow. A more detailed book-list, covering specialized aspects and topics of the various courses, will be provided by the Department when enrolments begin. Students are also referred to the Library catalogue.

All courses are liable to be slightly modified according to staffing requirements and availability.

Where A and B courses exist, evening lectures are given in them in alternative years only. History IIB and History IIIA are not available in the evening in 1970.

HISTORY I — The History of Western Civilization

(Three hours per week, plus a weekly seminar, compulsory for full-time students, voluntary for part-time students)

A survey course, designed to give students some knowledge of the main issues involved in the development of modern society, and to introduce them to some of the problems and techniques of historical interpretation with which they will be concerned in later courses. The course will be presented in three units: "The Problem of Political Organisation"; "The Dominant Intellectual, Cultural and Religious Themes"; and "The Problem of Livelihood." Each unit will be treated as a separate whole, and will occupy roughly one term; each will cover the whole period from the Ancient World to the present day, although no attempt will be made to present a chronological narrative. The emphasis throughout will be upon significant issues, movements and ideas rather than upon mere dates and events.

RECOMMENDED TEXTS

S. C. Easton: A Brief History of the Western World (Barnes & Noble paperback 1962)
W. H. McNeill: A History Handbook of Western Civilization

EITHER,


OR,

Schaeffer, Fowler and Cooke: Problems in Western Civilisation (Scribners 1965 paperback)

A more extensive and specific list of books will be issued to all students at the beginning of the course.

HISTORY IIIA — British History

(Three hours per week)

This course covers the period since 1450. It involves a treatment of various important themes in some depth. The main theme is that of constitutional development, but due attention is paid to economic and social affairs and to those matters which were of particular importance at particular times, for example religious issues in the first half of the period and problems arising from the Industrial Revolution in the second.

An additional seminar will be available to Honours students. It is possible that a weekly seminar will also be offered to Pass students.

RECOMMENDED TEXTS

D. L. Keir: Constitutional History of Modern Britain
S. T. Bindoff: Tudor England
R. Lockyer: England under the Tudors
G. R. Elton: The Century of Revolution
C. Hill: England in the Eighteenth Century
J. H. Plumb: The Industrial Revolution
J. F. C. Harrison: England in the Nineteenth Century
D. Thomson: Modern England
R. K. Webb: Victorian England, Portrait of an Age
G. M. Young: The English Tradition, Vols. I & II
N. F. Cantor and M. S. Werthman:

HISTORY IIB — Pacific History

(Three hours per week — not available in the evening in 1970)

This course is made up of detailed studies of the history of Australia, the United States and the Pacific Islands (including New Zealand). The Australian section consists of a general treatment of Australia from its foundation with deeper treatment of particular events; the American section will survey the United States comprehensively from the first settlements until recent times, concentrating on the nineteenth century; the Pacific Island section is concerned mainly with the impact of the Western powers on New Zealand and the other islands and the accommodations made in the region to Western influences.

An additional seminar will be available to Honours students. It is possible that a weekly seminar will also be offered to Pass students.

RECOMMENDED TEXTS

C. Hartley Grattan: The South-West Pacific to 1900
D. L. Oliver: The South-West Pacific since 1900
A. G. L. Shaw: The Story of Australia
HISTORY IIIA — Asian History
(Four hours per week — not available in the evening in 1970)

A course covering the history of the Far East, with particular reference to China, Japan and India. The emphasis is on the impact of the West upon the East, but due attention is paid to the society and culture of the peoples of the area and the differences in intellectual outlook both among them and between them and the West.

An additional seminar will be available to Honours students.

RECOMMENDED TEXTS

The Mentor Books on de Bary, Chan and Watson, eds. : Sources of Chinese Tradition
E. C. Reischauer & J. K. Fairbank: East Asia: The Great Tradition
G. M. Beckmann: East Asia: The Modern Transformation
K. S. Latourette: The Modernization of China & Japan
H. Borton: The Chinese, their History and Culture
C. Buss: Japan's Modern Century
J. F. Cady: S.E. Asia, its Historical Development
P. Spear: India (Michigan)
Majumdar, Raychaudhuri and Datta: Advanced History of India
(R. Thapar and P. Spear: Pelican of History of India (2 vols.)
B. N. Pandey: The Break-up of British India (Macmillan Student Edition)

HISTORY IIB — European History
(Four hours per week)

A comprehensive survey of modern European History from the fifteenth century to the Second World War and beyond. In the earlier period, special attention will be paid to the Renaissance, the Reformation and Counter-Reformation, the growth of capitalism and the emergence of the Modern State. In the later period, the course will deal with the Enlightenment of the eighteenth century, the French and Russian Revolutions, the unification of Germany and Italy, the fascist and communist regimes after the First World War, and Great Power diplomacy and peace-keeping efforts in the twentieth century. But it will also include the broader changes brought about by industrialisation, the Romantic Movement, and the doctrines of Liberalism, Socialism, Nationalism and Imperialism.

An additional seminar will be available to Honours students.

RECOMMENDED TEXTS

H. J. Grimm: The Reformation Era
R. H. Bainton: The Age of Reformation (Anvil paperback)
G. R. Elton: Reformation Europe 1517-1559 (Fontana paperback)
W. K. Ferguson: The Renaissance (Holt paperback)
C. V. Wedgwood: Richelieu and the French Monarchy
The Thirty Years' War
M. Ashley: Louis XIV and the Ascendancy of France
G. Brunn: The Enlightened Despots (Berkshire Studies)
D. Ogg: Europe of the Ancien Regime (Fontana paperback)
G. Lefebvre: The Coming of the French Revolution
J. Droz: Europe between Revolutions, 1815-1848 (Fontana paperback)
L. L. Snyder: Fifty Major Documents of the 19th Century (Anvil)
Fifty Major Documents of the 20th Century (Anvil)
J. Roberts: Europe 1880-1945
OR,
T. K. Derry and T. L. Jarman: The European World, 1870-1961 (Bell)
A. Bullock: Hitler (Pelican)
J. S. Schapiro: Liberalism and the Challenge of Fascism
D. W. Urwin: Western Europe Since 1945 (Longmans)
HISTORY IV

This consists of courses in Historiography, The History of Political Thought, Problems in Australian History and War in History. There is also an examination in General History.

HISTORIOGRAPHY

This course consists of two strands, each of one hour per week. One deals with the work of such outstanding historians as Herodotus, Thucydides, Gibbon, Macaulay, Buckle, Carlyle, Froude, Lecky, Ranke, Acton, Trevelyan and Toynbee, and is mainly concerned with the broader concepts of historical writing. The other strand considers some of the concrete problems facing the twentieth century historian, and the techniques that have been developed to attempt a solution—for example, methods of dating in archaeology, the use and abuse of documents, and the interpretation of specific historical controversies.

PRESCRIBED TEXTS

T. S. Ashton: The Industrial Revolution
E. Royston Pike: Human Documents of the Industrial Revolution in Britain
Bowditch & Ramsland: Voices of the Industrial Revolution

RECOMMENDED TEXTS

I. Berlin: Historical Inevitability
E. H. Carr: What is History?
J. Chadwick: The Decipherment of Linear B

THE HISTORY OF POLITICAL THOUGHT

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

PRESCRIBED TEXTS

G. H. Sabine: A History of Political Theory
C. H. McIlwain: The Growth of Political Thought in the West
A. P. d'Entreves: The Mediaeval 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

PROBLEMS IN AUSTRALIAN HISTORY

This course treats in depth certain themes in Australian history, with the emphasis upon problems of interpretation. While certain matters receive particular attention, notably the problems of constitutional development and the problems of the Macquarie period, students are given an opportunity to explore a wide range of historical controversies and are encouraged to use periodical literature and such primary materials as contemporary writings, the Historical Records of New South Wales and of Australia, and Clark's Select Documents. While a considerable number of lectures are given, this is primarily a seminar course; students are expected to produce a paper approximately every four weeks.

PRELIMINARY READING

G. Greenwood (ed.): Australia, A Social and Political History
M. H. Ellis: Lachlan Macquarie, his Life, Adventures and Times
C. M. H. Clark: A History of Australia
A. C. V. Melbourne: Early Constitutional Development in Australia
G. Sawer: Australian Federal Politics and Law

WAR IN HISTORY

A study of the impact of war on society. The course will deal with such topics as theories of war; the interaction of war and politics; the nature of war (involving the study of specific actions); the results of war, both positive and negative—i.e. stimulation to change as well as human suffering and destruction; and attempts to control or prevent war, from the medieval idea of the 'Just War' to twentieth century attempts at peace-keeping organisations.

RECOMMENDED READING

Karl von Clauswitz: On War
J. Howard: The Just War
F. M. Osanka: Modern Guerrilla Warfare
H. Richmond: Statesmen and Sea Power
A. Lee: Air Power
Turner & Challenger: National Security in a Nuclear Age
C. Wilmot: The Struggle for Europe
A. Clark: Barbarossa
Australian Institute of Political Science: Communism in Asia: A Threat to Australia?
**Note: Entry to Fourth Year**

From 1970 students will normally be admitted to Fourth Year if they have read History I and at least three other History courses, have attended the Honours Seminar in two of these courses and have passed at an acceptable level the courses attempted.

Special arrangements will be made for students who have completed "Distinction" courses under old regulations. Such students should consult the Head of the Department.

**Note: Variation of Fourth Year Courses**

Machinery exists for students in particular cases, with the consent of the Head of the Department, to substitute an approved and appropriate subject given by another Department for part of the normal History IV course.

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### DEPARTMENT OF MATHEMATICS

**MATHEMATICS I**

A subject of four lectures and two tutorial hours per week for three terms comprising the following topics.

- Differential and integral calculus and their applications; special functions; sequences and series; coordinate geometry; differential equations; groups, fields, linear algebra, vector spaces, matrices and determinants; introduction to computing and numerical mathematics.

**TEXTS**

- *Calculus and Linear Algebra* by H. S. Wilf (Harcourt Brace & World Inc.).
- *Differential and Integral Calculus* by Frank Ayres (Schaum Publishing Co.).
- *A Course in Fortran* by J. A. Lambert.

**PART II SUBJECTS**

The following topics are offered by the Mathematics Department. Certain combinations of these topics specified below will comprise the part II subjects offered by the Department; each topic consists of about 27 lectures. A pass in Mathematics I is a prerequisite for entry to each part II subject given by the Department; in addition some topics will require other topics as a corequisite or prerequisite as shown.

<table>
<thead>
<tr>
<th>TOPIC</th>
<th>COREQUISITE OR PREREQUISITE TOPIC</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>Real analysis</td>
</tr>
<tr>
<td>B</td>
<td>Complex analysis</td>
</tr>
<tr>
<td>C</td>
<td>Calculus and vector calculus</td>
</tr>
<tr>
<td>D</td>
<td>Linear algebra</td>
</tr>
<tr>
<td>E</td>
<td>Differential equations and integral transforms</td>
</tr>
<tr>
<td>F</td>
<td>Numerical analysis and computing</td>
</tr>
<tr>
<td>G</td>
<td>Fourier series, partial differential equations and special functions</td>
</tr>
<tr>
<td>H</td>
<td>Probability and statistics</td>
</tr>
</tbody>
</table>
I  Topic in statistics e.g. time series  

J  Topic in applied mathematics e.g. Cartesian tensors  

K  Topic in pure mathematics e.g. group theory  

L  Topic in pure mathematics, e.g. axiomatic systems  

CH  CE  K  

TEXTS

Topic A—real analysis
  Real Analysis  ........ ........ ........ ........ ........ ........ A. J. White.

Topic B—complex analysis
  Advanced Calculus (Chapter 9)  ........ ........ ........ ........ ........ ........ W. Kaplan.

Topic C—calculus and vector calculus
  Methods of Advanced Calculus  ........ ........ ........ ........ ........ ........ P. Franklin.

Topic D—linear algebra
  Linear Algebra  ........ ........ ........ ........ ........ ........ ........ ........ A. Mary Tropper.
  OR
  Linear Algebra  ........ ........ ........ ........ ........ ........ ........ ........ ........ S. Lipschutz.

Topic E—differential equations and integral transforms
4. If he has passed Applied Mathematics IIA or IIB only he may proceed as though he had satisfied the examiners in topics E, F, H and J and attended lectures in A, B, C and D. Such a student may be credited with a pass in Mathematics IIC if he satisfies the examiners in topics G, I, K or L or some similar combination approved by the Head of Department.

5. If he has passed both Pure Mathematics IIA or IIB and Applied Mathematics IIA or IIB he may proceed as though he had satisfied the examiners in topics A, B, C, D, E, F, H and J. Such a student may be credited with a pass in Mathematics IIC if he satisfies the examiners in topics G, I, K and L or some similar combination approved by the Head of Department.

PART III SUBJECTS

The Mathematics Department offers two part III subjects, each comprising four topics. Students wishing to proceed to Mathematics IV will be required to take both these subjects together with additional topics from the list below as prescribed by the Head of Department. Subject to the transition arrangements below a pass in Mathematics IIA and Mathematics IIC is a prerequisite for entry to Mathematics IIIA. Students taking Mathematics IIIA are required to study Mathematics IIIA as a corequisite. Certain combinations of the topics specified below will comprise the part III subjects offered by the Department; each topic consists of about 27 lectures. It is assumed that every student enrolling for a part III mathematics subject has studied the part II topics B, C, D and K. Some part III topics require additional part II or part III topics as corequisites or prerequisites as shown.

<table>
<thead>
<tr>
<th>TOPIC</th>
<th>PREREQUISITE</th>
<th>COREQUISITE</th>
</tr>
</thead>
<tbody>
<tr>
<td>O</td>
<td>Mathematical logic</td>
<td>-</td>
</tr>
<tr>
<td>P</td>
<td>Differential and integral equations</td>
<td>E</td>
</tr>
<tr>
<td>Q</td>
<td>Fluid dynamics</td>
<td>-</td>
</tr>
<tr>
<td>R</td>
<td>Probability and statistics</td>
<td>H</td>
</tr>
<tr>
<td>S</td>
<td>Geometry</td>
<td>-</td>
</tr>
<tr>
<td>T</td>
<td>Group theory</td>
<td>-</td>
</tr>
<tr>
<td>U</td>
<td>Number theory</td>
<td>-</td>
</tr>
<tr>
<td>V</td>
<td>Analysis</td>
<td>A</td>
</tr>
<tr>
<td>W</td>
<td>Topology</td>
<td>A</td>
</tr>
<tr>
<td>X</td>
<td>Galois theory</td>
<td>L</td>
</tr>
<tr>
<td>Y</td>
<td>Topic in Applied Probability e.g. Information Theory</td>
<td>H</td>
</tr>
<tr>
<td>Z</td>
<td>Numerical Analysis</td>
<td>A E F</td>
</tr>
</tbody>
</table>

TEXTS

Topic O—mathematical logic
*An Introduction to Mathematical Logic* ... G. B. Robison.

Topic P—differential and integral equations
*Linear Integral Equations* ... W. V. Lovitt.
*Ordinary Differential Equations and Stability Theory* ... D. A. Sanchez.

Topic Q—fluid dynamics
*Elementary Classical Hydrodynamics* ... B. H. Chirgwin & C. Plumpton.

Topic R—probability and statistics
*Introduction to Mathematical Statistics* ... R. V. Hogg & A. T. Craig.

Topic S—geometry
*Projective Geometry* ... F. Ayres Jr.

Topic T—group theory
*The Theory of Groups* ... I. D. Macdonald.

Topic U—number theory
To be decided.

Topic V—analysis
*Calculus of Manifolds* ... M. Spivak.

Topic W—topology
*Introduction to Topology and Modern Analysis* ... G. F. Simmons.
*General Topology* ... S. Lipschutz.

Topic X—Galois theory
*Topics in Algebra* ... I. N. Herstein.

Topic Y—topic in applied probability, e.g. information theory
*Information Theory* ... R. Ash.

Topic Z—numerical analysis
*Numerical Solution of Partial Differential Equations* ... G. D. Smith.
*A First Course in Numerical Analysis* ... A. Ralston.
**MATHEMATICS IIA**

A subject of four lectures and two tutorial hours per week for three terms. This subject comprises four topics which must include O, and either P, Q or R.

**MATHEMATICS IIB**

A subject of four lectures and two tutorial hours per week for three terms comprising four topics chosen from the twelve listed above.

**NOTE**

In order to pass both Mathematics IIA and Mathematics IIB, a student must study eight topics from O to Z above and offer them for examination. Topic O, and either P, Q or R, must be included in these eight topics.

**TRANSITION ARRANGEMENTS**

A student who has passed Pure Mathematics IIA, Pure Mathematics IIB, Applied Mathematics IIA or Applied Mathematics IIB may with the permission of the Head of Department be admitted to Mathematics IIA.

A student who has passed Pure Mathematics IIA or Pure Mathematics IIB and one other part II mathematics subject may with the permission of the Head of Department be admitted to both Mathematics IIA and Mathematics IIB.

A student who has passed exactly one part III subject prior to 1970 and wishes to obtain one more mathematics major must satisfy the following conditions.

1. He must have passed two part II Mathematics subjects.
2. If he has passed Pure Mathematics IIA or Pure Mathematics IIB, he must study topic O, either Q or R, and two other topics which must not include P, T or V.
3. If he has passed Applied Mathematics IIA or Applied Mathematics IIB, he must study topic O and three other topics which must not include topics Q, R, Y or Z.

**MATHEMATICS IV**

A student desiring admission to this subject must apply in writing to the Head of Department before 1st December of the preceding year. This subject extends over one full-time or two part-time academic years and will be examined by about 8 papers, each of two hours duration. Each student will be required to present a thesis; i.e. a study under direction of a special topic using relevant published material and presented in written form.

The topics offered may be chosen from any branch of Mathematics, including Pure Mathematics, Applied Mathematics, Statistics and Computing Science as exemplified in the publication *Mathematical Reviews*. In any one year it is hoped that up to 20 topics, each of about 27 lectures, will be offered. Students will be expected to present about 8 of these for examination.

**TEXTS**

Students should consult the relevant lecturer.

**DEPARTMENT OF PHILOSOPHY**

**GENERAL NOTE:** One subject only is offered in First Year and Fourth Year, but two subjects are offered in Second Year and Third Year, of which students may take one or both. For each subject there will be two examination papers.

To enrol in Fourth (Honours) Year, students should have completed at least four Philosophy subjects and obtained in each at least Credit grading. In addition to course work, Fourth Year students will write a thesis.

**PHILOSOPHY I**

**SECTION 1: INTRODUCTION TO PHILOSOPHY (1 hour weekly)**

This course is an introduction to Philosophy, through lectures on aspects of the thought of Plato and Descartes. The first part is concerned with Plato's theory of education, political authority, the nature of the soul and its immortality, and universals. The second part is concerned with Descartes' quest for infallible knowledge, and his attempts to provide the foundations of science, to prove the existence of God and the immaterial character of the soul.

**TEXTS**

- Plato: *The Last Days of Socrates* (Penguin)
- Descartes: *Philosophical Writings* ed. Anscombe and Geach (Nelson)

**REFERENCES**

- Burnet, J.: *Greek Philosophy* (Macmillan)
- Guthrie, W. K. C.: *The Greek Philosophers* (Methuen)
- Kenny, A.: *Descartes* (Random House)

**SECTION 2: LOGIC AND SCIENTIFIC METHOD (1 hour weekly)**

This course assumes no prior acquaintance with logic, and comprises a study of traditional formal logic and a consideration of some logical features of scientific enquiry. It is intended to introduce students to a formal study of arguments and scientific method, and thus to provide further equipment for examining and evaluating arguments met with not only in other sections of the philosophy course, but generally.

Lecture notes will be provided, and a text and reference list will be issued at the beginning of the course.

**SECTION 3: SEMINAR COURSE (1 hour weekly)**

Students are required to attend one seminar each week, and to present and discuss short papers on various topics. A more detailed seminar programme will be issued at the beginning of the course.

**BASIC BOOK**

- Lillie, W.: *Introduction to Ethics* (Methuen)
EXAMINATION AND OTHER REQUIREMENTS

Section 1 and Section 2 are each examined in a 3-hour paper at the November examination. In Section 3 students are required to submit for assessment a prescribed number of papers or exercises, including one longer essay of about 2000 words, and credit will be given for this work.

PHILOSOPHY II

Two subjects may be taken in Philosophy II: Philosophy IIA and Philosophy IIB. Philosophy IIA consists of Section 1 and any one of the other four Sections. Philosophy IIB, which can be taken only if Philosophy IIA is taken, consists of two other Sections.

Because of the number of options, it is advisable for all students to consult the Department before enrolling.

SECTION 1: BASIC EMPIRICISM (2 hours weekly)

A study of problems in metaphysics and theory of knowledge as they arise and are exemplified in the philosophy of Locke, Berkeley and Hume. Some attention will be paid to the Continental Rationalists who set the stage for the development of Empiricism in England.

TEXTS

Locke: *Essay Concerning the Human Understanding*, ed. Cranston (Collier)

Berkeley: *Philosophical Writings*, ed. Armstrong (Collier)

Hume: *Treatise of Human Nature* (Fontana)

REFERENCES

Gibson, J.: *Locke's Theory of Knowledge* (Cambridge)

Passmore, J.: *Hume's Intentions* (Cambridge)

Aaron, R. I.: *John Locke* (Oxford)

Warnock, G. J.: *Berkeley* (Pelican)

N. Kemp Smith: *David Hume* (Macmillan)

SECTION 2: BRITISH PHILOSOPHY, 1900 TO 1939 (2 hours weekly)

This course aims at introducing students to the background of contemporary British philosophy. It deals mainly with the work of Bertrand Russell, G. E. Moore, Ludwig Wittgenstein and A. J. Ayer.

BOOKS

Reasonably detailed accounts of the period will be found in

Urmson, J. O.: *Philosophical Analysis* (Oxford)

Warnock, G. J.: *English Philosophy since 1900* (Oxford, HUL)

Passmore, J. A.: *A Hundred Years of Philosophy* (Pelican)

REFERENCES

Prior, A. N.: *Formal Logic* (Oxford)

Quine, W. V. O.: *Methods of Logic* (Routledge)

Strawson, P. F.: *Introduction to Logical Theory* (University Paperbacks)

Whitehead & Russell: *Principia Mathematica to *56* (Cambridge)

SECTION 4: EARLY GREEK PHILOSOPHY (2 hours weekly)

A course on the birth of Western Philosophy, from Thales to Socrates (the so-called pre-Socratic philosophers).

RECOMMENDED BOOK

Burnet, J.: *Early Greek Philosophy* (Meridian or A. & C. Black)

Other references will be given by the Department.
SECTION 5: POLITICAL PHILOSOPHY (2 hours weekly)

The first section of the course will consider contributions of some of the major political philosophers (Plato, Machiavelli, Hobbes, Locke, Rousseau, Hegel, etc.). The second and larger section of the course will be devoted to a critical study of Marxist doctrine, including such topics as the dialectic, historical materialism, social determinism, the nature of law and the state, alienation and the classless society.

TEXTS
Acton, H. B.: The Illusion of the Epoch (Cohen and West)
Fromm, E.: Marx's Concept of Man (Ungar)

REFERENCES
Sabine, G.: A History of Political Theory (Harrap)
Plamenatz, J.: Man and Society, 2 vols. (Longmans)
Marx and Engels: Selected Writings, 2 vols. (Moscow)
Lenin: The State and Revolution (Moscow)
Kamenka, E.: The Ethical Foundations of Marxism (Routledge)

PHILOSOPHY III

Two subjects may be taken in Philosophy III: Philosophy IIIA and Philosophy IIIB. Philosophy IIIA consists of Section 1 and any one of the other four Sections. Philosophy IIIB, which can be taken only if Philosophy IIIA is taken, consists of two other Sections.

Because of the number of options, it is advisable for students to consult the Department before enrolling.

SECTION 1: RATIONALISTS AND KANT (2 hours weekly)

The course begins with some logical and epistemological questions arising in Leibniz's works, and an examination of Spinoza's pantheism and ethical views. It then proceeds to a study of selected topics in Kant's Critique of Pure Reason, including the classification of judgments, the nature of space and time, causality, the cosmological antinomies, and the arguments for the existence of God. Some reference will also be made to Kant's ethical position.

TEXTS
Leibniz: Basic Writings (Open Court)
Spinoza: Ethics (Everyman)
Kant: Critique of Pure Reason (Macmillan)

REFERENCES
Russell, B.: The Philosophy of Leibniz (Allen and Unwin)
Hampshire, S.: Spinoza (Penguin)
Ewing, A. C.: A Short Commentary on Kant's Critique of Pure Reason (Methuen)

Kemp Smith, N.: A Commentary to Kant's Critique of Pure Reason (Macmillan or Russell & Russell)
Strawson, P. F.: The Bounds of Sense (Methuen)

SECTION 2: ETHICS (2 hours weekly)

This course aims at developing ethics as a positive science, taking the ethical material of John Anderson as a starting point. Special reference will be made to the relation of ethics to psychoanalytic theory. A critical exposition of Plato's Gorgias will form a considerable part of the course. The theory as developed will be applied to Hobbes, Butler and Mill.

TEXTS
Anderson, J.: Studies in Empirical Philosophy (Angus and Robertson)
Plato: Gorgias (Penguin or in: Socratic Dialogues, tr. Woodhead (Nelson)
Suttie, I. D.: The Origins of Love and Hate (Penguin)
Sidgwick, H.: History of Ethics (Macmillan)
Taylor, A. E.: Plato: the Man and his Work (Macmillan)
Plato: Republic (Penguin or Everyman)

REFERENCES
Hobbes: Leviathan
Butler: Sermons
Mill: Utilitarianism
Brown, J. A. C.: Freud and the Post-Freudians
Hall, C.: A Primer of Freudian Psychology
Fromm, E.: Fear of Freedom
Sargent, W.: Battle for the Mind
Danielsson, B.: Love in the South Seas

SECTION 3: POLITICAL PHILOSOPHY (2 hours weekly)

For description, see Philosophy II.

SECTION 4: PHILOSOPHY OF LOGIC (2 hours weekly)

The first part of the course will deal with various theories about the nature and foundations of logic, especially the relation between logic and ontology. Among the theories considered will be those of Aristotle, the Stoics, mediaeval logicians, Husserl, Frege and Wittgenstein. The second part will consider some interpretations of categorical and conditional statements, problems concerning implication, and related topics.
REFERENCES

Kneale, W. and M. : *The Development of Logic* (Oxford)
Bochenski, I. M. : *History of Formal Logic* (University of Notre Dame)
Bowne, G. D. : *Philosophy of Logic 1880-1908* (Mouton)
Łukasiewicz, J. : *Aristotle's Syllogistic* (Oxford)
Mates, B. : *Stoic Logic* (University of California)
Boehner, P. : *Mediaeval Logic* (Manchester University)
Frege, G. : *Philosophical Writings* (Blackwell)
Wittgenstein, L. : *Tractatus Logico-Philosophicus* (Routledge)
Iseminger, G. : *Logic and Philosophy* (Appleton Century Crofts)
Strawson, P. F. : *Introduction to Logical Theory* (Methuen)

SECTION 5: SYMBOLIC LOGIC
For description, see Philosophy II.

PHILOSOPHY IV
This subject will consist of:

1. Such written work as the Department prescribes, including an Honours thesis, to be handed in before the beginning of the November examination.

2. Two courses to be selected from the following:

   (i) Philosophy of Logic
   (ii) Philosophy of Mind
   (iii) Philosophy of Religion
   (iv) Honours Ethics
   (v) Honours Logic

Note: Alternating Courses
Some Philosophy II and III courses can be offered in alternate years only. It is probable that Political Philosophy and Philosophy of Logic will not be offered in 1971, and that they will again be available in 1972. In 1971 courses on Social Philosophy and Plato and Aristotle will probably be offered. Students should, if possible, take Political Philosophy before taking Social Philosophy, and Early Greek Philosophy before taking Plato and Aristotle.

DEPARTMENT OF PSYCHOLOGY

PSYCHOLOGY I
A course of three lectures, one one-hour practical session and one one-hour tutorial per week. The final examination consists of one three-hour paper plus an assessment of the practical work carried out by the student throughout the year.

The course, which is a general introduction to psychology, includes learning theory, motivation, developmental psychology, physiological psychology, comparative psychology, theory of measurement, and descriptive statistics and statistical analysis of data.

TEXTBOOKS


OR


OR


OR


Additional texts will be recommended at the beginning of the course.

PSYCHOLOGY II
A course of three lectures, one two-hour practical session and one one-hour tutorial per week. The final examination consists of two three-hour papers plus an assessment of the practical work carried out by the student throughout the year. The course includes the following topics:—

The psychology of learning, physiological and comparative psychology, developmental psychology, social psychology, psychological testing and measurement, and statistics.

No specific texts are set but recommendations are made at the beginning of the course.
PSYCHOLOGY IIIA

A course of four lectures and five hours practical work per week. The practical work is divided into
a) Laboratory sessions, totalling three hours per week.
b) An investigation carried out under supervision. The topic of this will usually be selected by the student, although some restrictions may be decided by the Department. Work on this will take two hours per week.

The lecture course includes lectures on personality and psychodynamics, cognition, perception, physiological and comparative psychology, and verbal learning.

The final assessment of students will consist of three 3-hour papers plus an assessment of practical work carried out during the year.

PSYCHOLOGY IIIB

A course of four lectures and five hours practical work per week. The practical work consists of laboratory sessions and field work, totalling five hours per week.

The lecture course includes lectures on social psychology, psychopathology, personality assessment, developmental psychology, and factor analysis.

The final assessment of students will consist of three 3-hour papers plus an assessment of practical work carried out during the year.

PSYCHOLOGY IV

The course consists of lectures and seminars for three hours per week and laboratory work to be reported in two minor theses. The final examination consists of two three-hour papers together with an assessment of the theses. The student is expected to cover the fields of personality, abnormal and clinical psychology, social psychology, perception, learning and cognition, developmental psychology and motivation, and quantitative psychology.

DIPLOMA IN APPLIED PSYCHOLOGY

YEAR I

The course consists of three lectures, three tutorials in test training and six hours practical work per week. The practical work includes in-service training. The final examination consists of two papers, one theoretical and one practical. The course includes clinical psychology and psychopathology, test training and clinical practice.

YEAR II

The course consists of four lectures and eight hours practical work per week. The practical work includes in-service training. The final examination consists of one theoretical and one practical paper. The course includes clinical psychology, training in psychotherapy, and clinical practice.
In reading this timetable students should note the following facts:

1. Economics II and III some alternative courses are available. Students should consult the Department.

2. Mathematics is shown separately at the end of this Timetable.

3. In Economics II and III some alternative courses are available. Where this is the case the class is divided for parts of the course and some of the hours are alternative to others.

4. Mathematics is shown separately at the end of this Timetable.

5. Accounting I is shown in the Economics and Commerce Handbook.

6. Geology is shown in the Science Handbook.
## PART I SUBJECTS (cont.)

<table>
<thead>
<tr>
<th>SUBJECT</th>
<th>HOURS</th>
<th>MONDAY</th>
<th>TUESDAY</th>
<th>WEDNESDAY</th>
<th>THURSDAY</th>
<th>FRIDAY</th>
<th>NOTES</th>
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<tr>
<td>German I</td>
<td>day</td>
<td>5</td>
<td>ALG26</td>
<td>12</td>
<td>2</td>
<td>ALG26</td>
<td>9, 12, 2 ALG34</td>
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<td></td>
<td>evening</td>
<td>5</td>
<td>ALG34</td>
<td>7, 8</td>
<td>ALG34</td>
<td>5, 6, 7 ALG34</td>
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<td>Introductory</td>
<td>day</td>
<td>5*</td>
<td>ALG29</td>
<td>9, 12</td>
<td>2</td>
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<td>2, 4, 5 ALG26</td>
</tr>
<tr>
<td>German</td>
<td>evening</td>
<td>5*</td>
<td>ALG53</td>
<td>4, 5</td>
<td>ALG29</td>
<td>4, 5 ALG29</td>
<td>*Students will be allocated hours according to their previous experience of the subject.</td>
</tr>
<tr>
<td>Greek I</td>
<td>6*</td>
<td>12, 3, 4 ALG29</td>
<td>4</td>
<td>ALG53</td>
<td>2</td>
<td>ALG26 ALG59</td>
<td>*Students will be allocated hours according to their previous experience of the subject.</td>
</tr>
<tr>
<td>History I</td>
<td>day</td>
<td>3</td>
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<p>|                 |         |         |          |           |          |        | Evening: Mon. 8, Mon. 9 or Wed. 6, Wed. 7                            |
| Economics IIB   | day     | 4       | A127     | 2         | A127     | 2, 4   | AG25                                                                  |
|                 | evening | 4       | ALG26    | 7         | 8        | AG56   | Including two of Mon. 12, Mon. 3 or Mon. 4, Wed. 2 or Thurs. 2, Thurs. 4 |
| Education IIA   | day     | 4       | A127     | 12, 3     | AG53     | 7, 8   | AG25                                                                  |
|                 | evening | 4       | AG25     | 7         | 8        |        |                                                                       |
| English IIA     | day     | 4       | B-01     | 11, 4     | B-01     | 11     | B-01                                                                  |
|                 | evening | 4       | ALG59    | 6         | 7        | 6      |                                                                        |
| English IIB or IIIC | day | 4     | 11, 2   | ALG59     | (ALG59)  | 12, 3  | (AG28)                                                                  |
|                 |         |         | (ALG59)  | (ALG59)   | (AG25)   | 7, 8   | (AG59)                                                                 |
|                 |         |         | (ALG34)  | (AG59)    | (ALG53)  |        |                                                                        |
| French IIA      | day     | 4       | 12, 2    | ALG34     | 7, 8     | 12, 2  | ALG59                                                                  |
|                 | evening | 4       | AG39     | 7, 8      |          | 6, 7   | AG26                                                                  |
| French IIB      | day     | 4       | 3        | AG34      | 11, 4    | 11     | AG39                                                                  |
|                 | evening | 4       | AG39     | 6         | 7        | 6      | AG39                                                                  |
| Geography IIA   | day     | 6       | AG28     | 9, 10*    | AG16     | 2, 4   | AG28                                                                  |
|                 | evening | 6       | ALG16    | 3, 6*     | AG16     | 7, 8   |                                                                        |
|                 |         |         |          |           |          |        | *Alternative Practical Classes                                         |</p>
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*Alternative hours for practical class
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(All notes and additional hours are arranged according to the academic calendar. **Time arrangements vary by trimester.**

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*Times to be arranged.*
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Diploma of Education and Diploma of Applied Psychology timetables will be made available to students on enrolment.
# TIMETABLE FOR MATHEMATICS

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Two tutorial hours to be arranged

## MATHEMATICS II

### Topic A
- **Lecture**: Thurs 9 AG25 or Thurs 6 AG24
- **Tutorial**: Thurs 12 AG24 or Thurs 8 AG24

### Topic B
- **Lecture**: Thurs 10 AG25 or Thurs 7 AG24
- **Tutorial**: Thurs 12 AG09 or Thurs 8 AG24

### Topic C
- **Lecture**: Wed 9 B-01 or Wed 6 AG24
- **Tutorial**: Wed 11 AG25 or Wed 8 AG24

### Topic D
- **Lecture**: Tues 10 B-01 or Tues 6 AG24
- **Tutorial**: Tues 9 A127 or Tues 8 AG24

### Topic E
- **Lecture**: Wed 10 B-01 or Wed 7 AG24
- **Tutorial**: Wed 11 A127 or Wed 8 AG24

### Topic F
- **Lecture**: Mon 11 AG24 or Mon 6 AG24
- **Tutorial**: Mon 9 AG24 or Mon 8 AG24

### Topic G
- **Lecture**: Mon 12 AG24 or Mon 7 AG24
- **Tutorial**: Mon 9 AG25 or Mon 8 AG25

### Topic H
- **Lecture**: Tues 11 H-01 or Tues 7 AG24
- **Tutorial**: Tues 9 AG25 or Tues 8 AG24

### Topic I
- **Lecture**: Thurs 11 AG25 or Thurs 5 AG25
- **Tutorial**: Tues 2 AG25 or Thurs 6 AG25

### Topic J
- **Lecture**: Tues 12 AG25 or Tues 5 AG25
- **Tutorial**: Tues 2 AG25 or Thurs 6 AG25

### Topic K
- **Lecture**: Mon 2 AG25 or Mon 6 AG17
- **Tutorial**: Mon 4 AG25 or Mon 8 AG17

### Topic L
- **Lecture**: Mon 3 AG25 or Mon 7 AG17
- **Tutorial**: Mon 4 AG25 or Mon 8 AG17

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