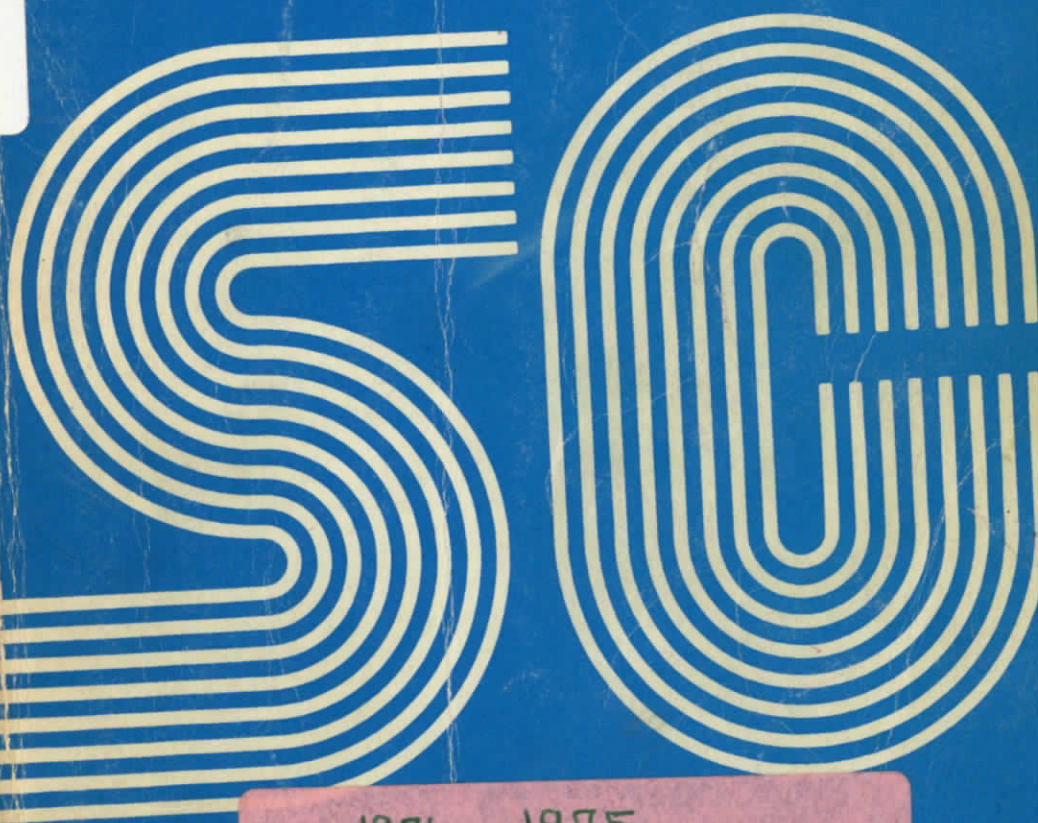


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1974 - 1975  
Scarborough Calendar

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### Important Notes

- (1) Students are urged to study carefully pages 63-66 of the Calendar before reading the course descriptions. This page contains important information concerning the designation and numbering of courses; the meanings of prerequisite and corequisite requirements and of exclusions; information about supervised reading, supervised research and independent study courses; and information about the timetabling of courses.
- (2) Students are responsible for making themselves familiar with the contents of this Calendar, and particularly with the information contained in the sections of the Calendar dealing with the degree requirements and academic regulations and with the academic calendar.
- (3) Students are responsible for notifying the Registrar's Office at once of any change in any of the information submitted at the time of registration.
- (4) Students are urged to take full advantage of the many sources of help available to them at the College. Students should discuss with their faculty adviser or any other faculty member any questions concerning their academic plans and their selection of courses. Students should not hesitate to seek help from members of the staff of the Registrar's Office, the Student Services Office, the Health Service, or the Writing Laboratory. The wide range of assistance available is described in this Calendar.

Scarborough College  
1265 Military Trail  
West Hill, Ontario  
M1C 1A4

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# The Academic Calendar 1974-75

## Summer Evening Session, 1974

Monday	1 April	Last day for new students to apply for admission to the University.
Thursday	11 April	Last day of pre-registration for students currently enrolled.
Monday Thursday	6 May - 9 May	Registration week.
Monday	13 May	Classes for the 1974 Summer Evening Session begin. 'Y', 'F' and 'H' courses begin.
Monday	20 May	Victoria Day — all classes cancelled.
Thursday	23 May	Last day to add a 'Y', 'F' or 'H' course.
Tuesday	28 May	Last day to withdraw without academic penalty from a first term ('F') course.
Thursday	13 June	Last day to withdraw without academic penalty from a 'Y' or 'H' course.
Thursday	20 June	Last day of classes in first term ('F') courses. All term assignments should be submitted by this date.
Monday Thursday	24 June - 27 June	Examinations for first term ('F') courses.
Monday	1 July	Dominion Day — all classes cancelled.
Tuesday	2 July	Second term ('S') courses begin.
Thursday	11 July	Last day to add a second term ('S') course.

Tuesday	16 July	Last day to withdraw without academic penalty from a second term ('S') course.
Monday	5 August	Civic Holiday — all classes cancelled.
Thursday	8 August	Last day of classes. All term assignments should be submitted by this date.
Monday Friday	12 August - 16 August	Examination week.

## Summer Day Session, 1974

Thursday	11 April	Last day of pre-registration for students currently enrolled.
Wednesday	15 May	Last day for new students to apply for admission to the University.
Monday Thursday	24 June - 27 June	Registration week.
Monday	1 July	Dominion Day — all classes cancelled.
Tuesday	2 July	Courses for the 1974 Summer Day Session begin. 'Y', 'F' and 'H' courses begin.
Friday	5 July	Last day to add a 'Y', 'F' or 'H' course.
Tuesday	9 July	Last day to withdraw without academic penalty from a first term ('F') course.
Thursday	18 July	Last day to withdraw without academic penalty from a 'Y' or 'H' course.
Tuesday	23 July	Last day of classes in first term ('F') courses. All term assignments should be submitted by this date. Final examinations, if required, will be held in the last class period.
Thursday	25 July	Second term ('S') courses begin.
Monday	29 July	Last day to add a second term ('S') course.
Thursday	1 August	Last day to withdraw without academic penalty from a second term ('S') course.

Monday	5 August	Civic Holiday — all classes cancelled.
Friday	9 August	Last day of classes in St. George and Erindale Campus courses.
Monday - Friday	12 August - 16 August	Examination week in St. George and Erindale Campus courses.
Friday	16 August	Last day of classes. All term assignments should be submitted by this date. Final examinations, if required, will be held in the last class period.

### Winter Session, 1974-75

Thursday	11 April	Last day of pre-registration for students currently enrolled.
Monday	3 June	First day of pre-registration for new students and students registered at Scarborough College previously but not in 1973-74.
Monday	3 June	Last day for current students to request a transfer to another College.
Thursday	1 August	Last day for new students to apply for admission to the University for the Winter Session 1974-75. (Applications which are received during August will be considered, but a decision for the 1974-75 session cannot be guaranteed.)
Friday	2 August	Last day of pre-registration for new students and students registered at Scarborough College previously but not in 1973-74.
Monday	2 September	Labour Day — all classes cancelled.
Tuesday - Saturday	3 September - 7 September	Registration Week.
Monday	9 September	The late registration fee will be enforced from this date.
Monday	9 September	Classes for the 1974-75 Academic Year begin. 'Y', 'F' and 'H' courses begin.

Wednesday	11 September	Classes in St. George and Erindale Campus courses begin.
Friday	27 September	Last day to add a year-long ('Y' or 'H') course or a first term ('F') course.
Monday	30 September	Last day for receipt of applications for Ontario Student Assistance (OSAP).
Monday	7 October	Thanksgiving Day — all classes cancelled.
Tuesday	15 October	Last day to withdraw without academic penalty from a first term ('F') course.
Tuesday	15 October	Last day for receipt of applications for University of Toronto In-Course Awards.
Friday	15 November	Last day for students not attending University for the first time to withdraw without academic penalty from a year-long ('Y' or 'H') course.
Friday	6 December	Last day of classes in the first term. All term assignments in first term ('F') courses should be submitted by this date.
Tuesday	10 December	Last day of classes in St. George and Erindale Campus courses.
Tuesday - Thursday	10 December - 19 December	Term test and final examination period.

### 1975

Monday	6 January	Classes for the second term begin. Second term ('S') courses begin.
Wednesday	15 January	Second instalment of fees due.
Friday	24 January	Last day to add a second term ('S') course.
Friday	31 January	Last day for receipt of applications for Scarborough College bursaries.
Monday	3 February	Last day for students attending a university for the first time to withdraw without academic penalty from a year-long ('Y' or 'H') course.

Monday	3 February	Last day for any student attending a university for the first time to withdraw without academic penalty from the College. (See information in the "Academic Regulations" section of this <i>Calendar</i> .)
Friday	7 February	Last day to withdraw without academic penalty from a second term ('S') course.
Monday - Friday	17 February - 21 February	Reading Week — all classes cancelled.
Friday	28 March	Good Friday — all classes cancelled.
Friday	11 April	Last day of classes. All term assignments should be submitted by this date.
Monday	21 April	Annual examinations begin.
Friday	9 May	Annual examinations end.
Monday	9 June	University Convocation begins.

## Administration and Faculty 1973-74

### Officers of the University

Chancellor	P. M. McGibbon, S.M., B.A., LL.D.
President	J. R. Evans, M.D., D.Phil., F.R.C.P.(C.), LL.D.
Assistant to the President	N. S. C. Dickinson, C.D., B.A.
Vice-President and Provost	D. F. Forster, B.A., A.M.
Vice-Provost, Research Administration	S. Dymond, B.A., Q.C.
Vice-Provost	J. D. Hamilton, M.D., F.R.C.P.(C.), D.Sc.
Vice-Provost	P. P. M. Meincke, B.Sc., M.A., Ph.D.
Vice-Provost	R. Ross, M.B.E., M.A.
Vice-President, Institutional Relations and Planning	J. H. Sword, M.A., LL.D.
Vice-President, Business Affairs	A. G. Rankin, B.Com., F.C.A.
Assistant Vice-President	F. R. Stone, B.Com., F.C.A.
Vice-President, Internal Affairs	J. K. Conway, B.A., Ph.D.
Secretary to the Governing Council	D. S. Claringbold
Chief Librarian	R. H. Blackburn, M.A., B.L.S., M.S., LL.D.
Dean of the Faculty of Arts and Science	R. A. Greene, M.A., Ph.D.
Assistant Dean and Secretary, Faculty of Arts and Science	W. D. Foulds, B.A.
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Director of Statistics and Records	J.M. Tusiewicz, B.Sc.(Eng.), M.A.Sc., M.B.A.
Director of Student Awards	P. S. Phillips, B.A., C.A.
Director of the Advisory Bureau	D. J. McCulloch, B.A., M.D., D.Psych., F.R.C.P.(C.)
Director of Career Counselling and Placement Centre	D. Currey, B.A.Sc.
Director of Athletics and Recreation (Men)	A. D. White, B.A., M.Ed.
Director of Athletics and Physical Education (Women)	A. Hewett, B.Ed., P.E.
Director of University Health Service	G. E. Wodehouse, M.C., M.D., F.R.C.P. (C.), M.R.C.P.
Director of Housing Service	M. G. Jaffary, B.A.
Director of the International Student Centre	E. A. McKee, M.A.
Warden of Hart House	J. G. Longellé, M.A., Ph.D.
Director of Alumni Affairs	J. W. Duncanson, B.A.

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Associate Dean and Registrar .....	J. D. King, B.A., Ph.D.
Assistant Registrar .....	G. L. E. Curri
Assistant Registrar .....	N. H. Dobbs, B.A.
Admissions Adviser .....	L. F. Gordon
Registration Officer .....	A. M. Lewis, B.A.
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Student Services .....	J. M. Scott, B.A.
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Administrative Assistant, Personnel .....	J. P. Sanguin
Administrative Assistant, Accounts .....	E. I. Murrill
Administrative Assistant, Residences .....	N. Mawson
Librarian .....	J. L. Ball, M.A., M.L.S., Dip.Lib., A.L.A.
Head, Public Services .....	J. K. Sowby, B.A., M.L.S.
Co-ordinator, Collection Department .....	M. Wiederkehr, M.L.S.
Co-ordinator, Technical Services .....	P. Yamamoto, B.A., M.S. in L.S.
Head, Reference Service .....	R. Farrow, B.A., M.L.S.
Head, Scarborough-Erindale Technical Services .....	A. Gregorovich, B.A., B.L.S.
Director of Writing Laboratory .....	B. Corben, M.A.
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Assistant Director of Athletics .....	M. A. Prettie, B.P.H.E.
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Physician .....	A. M. Breuls, M.D.
Psychiatrist .....	Taylor Statten, M.D., F.R.C.P.(C.)
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Assistant Manager of Physical Services .....	R. L. Wright

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### Administrative Assistant to the Chairman

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K. Theil, M.A., *Lecturer*

H. Jackson, M.A., Ph.D., *Visiting Lecturer*

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 E. Costa, M.A., Ph.D., *Assistant Professor (Discipline Representative for Italian)*  
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#### **Linguistics**

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#### **Music**

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D.L. Mosher, B.A., Ph.D., *Assistant Professor (Discipline Representative for Philosophy)*  
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#### *Chairman of Physical Sciences*

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#### *Administrative Assistant to the Chairmen, Division of Science*

L.A. Montgomery

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 P.A. Freeman, B.Sc., *Instructor*  
 C. Pickett, B.Sc., M.A., *Instructor*

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 D.G. Hall, *Instructor*  
 M. Hall, B.Sc., *Instructor*

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 P.J. O'Donnell, B.Sc., Ph.D., *Associate Professor*  
 J.M. Perz, M.Sc., Ph.D., *Associate Professor (Assistant to the Chairman for Physics and Counselling Co-ordinator for the Physical Sciences Group)*  
 M.B. Walker, B.Eng., D. Phil., *Associate Professor*  
 G. Woollatt, B.Sc., *Instructor*

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 G.B. Biederman, B.Sc., Ph.D., *Associate Professor*  
 B. Forrin, M.A., Ph.D., *Associate Professor*  
 M.C. Smith, B.A., Ph.D., *Associate Professor*  
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 J.M. Kennedy, M.Sc., Ph.D., *Assistant Professor*  
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 N.W. Milgram, M.A., Ph.D., *Assistant Professor*  
 A.S. Ross, M.A., Ph.D., *Assistant Professor*  
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#### Division of Social Sciences

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##### Associate Chairman

C.J. Sparrow, B.Sc., Ph.D.

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 F.D. Burton, B.Sci., M.A., D. Phil., *Associate Professor*  
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 R. Knight, M.A., Ph.D., *Associate Professor*  
 H.B. Schroeder, B.A., Ph.D., *Associate Professor*  
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 M. Latta, M.A., *Lecturer*  
 L. Williams, M.A., *Lecturer*  
 M.R. Kleindienst, M.A., Ph.D., *Special Lecturer*

#### Economics

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 A.F.W. Plumptre, C.B.E., M.A., *Professor Emeritus*  
 D.R. Campbell, M.A., D.F.C. and Bar, *Professor*  
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 P. Pelikan, M.S., Ph.D., *Associate Professor*  
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 M. Gunderson, M.A., Ph.D., *Assistant Professor*  
 M. Krashinsky, B.Sc., M. Phil., Ph.D., *Assistant Professor*  
 M. Walker, B.A., M.S., Ph.D., *Assistant Professor (Assistant Chairman, Commerce)*  
 G.W. Russell, B. Comm., M.B.A., Ph.D., *Lecturer*  
 V. Sawyer, M.A., M.B.A., *Special Lecturer*

#### **Geography**

P.W. Cave, M.A., D. Phil., *Associate Professor*  
 K.E. Francis, M.S., Ph.D., *Associate Professor*  
 B. Greenwood, B.Sc., Ph.D., *Associate Professor (Assistant Chairman, Geography)*  
 C.J. Sparrow, B.Sc., Ph.D., *Associate Professor*  
 A. Tayyeb, M.A., *Associate Professor*  
 M.F. Bunce, M.A., Ph.D., *Assistant Professor (Counselling Co-ordinator for the Division of Social Sciences)*  
 G.J.D. Hewings, M.A., Ph.D., *Assistant Professor*  
 E.C. Relph, B.A., M.Phil., Ph.D., *Visiting Assistant Professor*  
 R. van der Linde, M.A., *Lecturer*

#### **Political Science**

S.J. Colman, M.A., *Professor*  
 J.S. Dupré, M.A., Ph.D., *Professor*  
 J.E. Hodgetts, M.A., Ph.D., LL.D., F.R.S.C., *Professor*  
 E.G. Andrew, B.A., Ph.D., *Assistant Professor*  
 V. Falkenheim, M.A., Ph.D., *Assistant Professor*  
 G. Friesen, A.M. Ph.D., *Assistant Professor*  
 K.R.J. Sandbrook, M.A., D.Phil., *Assistant Professor*  
 S.G. Solomon, M.A., Ph.D., *Assistant Professor*  
 R.S. Blair, M.A., *Lecturer (Assistant Chairman, Political Science)*  
 T.A. Heinrichs, M.A., *Lecturer*  
 A. Rubinoff, M.A., *Lecturer*  
 J. Dreifelds, B.Sc., M.A., *Special Lecturer*  
 J.E. Esbrey, B.Ed., M.A., B.Sc., *Special Lecturer*

#### **Sociology**

R.L. James, M.A., Ph.D., *Professor*  
 N. Howell, B.A., Ph.D., *Associate Professor*  
 W.W. Isajiw, M.A., Ph.D., *Associate Professor (Assistant Chairman, Sociology)*  
 R.C. Beals, M.A., Ph.D., *Assistant Professor*  
 J.L. deLannoy, LL.S., Ph.D., *Assistant Professor*  
 L.L. Howard, M.A., *Assistant Professor*  
 J.A. Lee, M.A., D.Phil., *Assistant Professor*  
 R. O'Toole, M.A. Ph.D., *Assistant Professor*  
 L.C. Johnson, M.A., Ph.D., *Visiting Assistant Professor*  
 N.J. Hartmann, M.A., *Lecturer*  
 L. Snider, M.A., *Lecturer*

## **The College and its Facilities**

### **Scarborough College**

Scarborough College began full-time operation in 1965-66 as the seventh Arts and Science College of the University of Toronto. In its first four years, the College offered the General Course in Arts and the General Course in Science. With the inauguration of the New Programme in 1969-70, Scarborough College began to offer its own programme of courses under the jurisdiction of the Council of the Faculty of Arts and Science. Since 1972-73, the College has been responsible for its own curriculum and academic regulations, subject directly to the Governing Council of the University. As a result, the academic programme at Scarborough College is now a distinctive one in the University of Toronto, somewhat different from the programme on the St. George and Erindale Campuses.

Each student plans his own programme of studies from amongst all of the courses available. There are no compulsory courses, no compulsory areas of study, no "major" requirements. Rather students choose courses best suited to their individual interests and intellectual abilities. However, students may, if they wish, follow recommended programmes of study in various disciplines and interdisciplinary areas, and successful completion of these programmes is certified on students' academic transcripts.

Each student may also plan his own rate of progress towards his degree. Depending on interests and plans, a student may choose to receive his degree after satisfactory completion of either fifteen or twenty courses. Normally, a student in full-time attendance will complete five courses each year in the Winter Session, completing the degree requirements in either three or four years. However, a student may complete as many as six courses in each Winter Session and as many as two courses in each Summer Session. Consequently a student may, if he wishes, accelerate his rate of progress, completing the twenty-course degree in three calendar years or the fifteen course degree in two calendar years by taking a heavier-than-normal course load in the Winter Session and by taking courses as well in the Summer. Conversely, students may proceed more slowly towards their degrees, perhaps combining employment with study.

The College has sought to eliminate any academic distinction between students in full-time or part-time attendance. All students are eligible to register in any course, day or evening, in the Winter or Summer Session, and all students have access to the academic services and the extra-curricular life of the College.

Scarborough College seeks to make available to its students the advantages of membership of the University of Toronto in the more personal environment of a relatively small Arts and Science College on a separate campus. Students have very full resources on the Scarborough Campus (a wide range of courses, first-rate library

and laboratory facilities, student residences, excellent recreational facilities and full administrative services) and may also, if they wish, draw on the extensive resources of the St. George Campus of the University. Students may take some courses on the St. George Campus if they are not available on the Scarborough Campus. Students completing the last five courses of a twenty-course degree programme, often doing very specialized work, may complete all of their courses on the St. George Campus, and about forty percent of such students in 1973-74 did so. Scarborough students have full access to the Sigmund Samuel Library and to the John Robarts Research Library; they may visit these libraries in person or make use of the Scarborough College Library's book delivery service. Scarborough students are members of the University of Toronto student organization, Athletic Association and Hart House, and have access to all of the recreational facilities and activities on the St. George Campus as well as those on the Scarborough Campus.

In its first year of full-time operation, 1965-66, Scarborough College had an enrolment of 191 students, a faculty of 43, and offered about 40 courses. In 1973-74, it had an enrolment of 2,641 full-time and 1,041 part-time students, a faculty of 191, and offered a total of 318 courses.

The Scarborough Campus is located in the eastern part of Metropolitan Toronto. The Campus consists of 202 acres, 50 acres of which are parkland and ravineland. The College building is world-renowned for its architectural design. The College is accessible from central Toronto by expressways, public transit and the free College bus services joining the College with the eastern terminal of the Toronto subway system and with the St. George Campus of the University.

For the benefit of students living in Oshawa and vicinity, the College began in 1972-73 to offer a limited number of evening courses (Winter and Summer) at Durham College of Applied Arts and Technology.

## Library

The Library has a large and growing collection of books, periodicals, microfilms, tapes and maps now numbering nearly 150,000 items, and selected to support the courses offered in the College. An expert staff of librarians is on hand to help students make good use of what is available.

Staff and students may also draw on the resources of the University of Toronto's Central Library in person or by means of the daily book delivery service.

During the Winter Session, the Library is open until 10:30 p.m. Monday through Thursday and until 5:00 p.m. on Fridays. It is open from 10:00 a.m. to 5:00 p.m. on Saturdays and from 1:00 p.m. to 5:00 p.m. on Sundays. Extensive study areas outside the Library, equipped with individual study carrels, are available at any hour during the school year.

Library policy is guided by a committee which includes students as well as faculty and staff.

## Student Services

The Student Services Office (Room S-418C) seeks to provide a wide range of information and assistance in a congenial and relaxed atmosphere. Students are invited to drop in or to telephone 284-3292.

## Academic Information

Students entering the College are invited to visit the Student Services Office to discuss their plans for their first year of studies and to submit their pre-registration forms. Following this pre-registration, students are assigned faculty advisers, from whom they normally seek advice with respect to their selection of courses and other matters.

Students may obtain information and assistance with a number of other academic matters. Students are advised concerning the degree requirements and academic regulations and their interpretation in individual cases. Assistance is provided for students who wish to submit petitions for special consideration or for exemptions from one of the academic regulations. A collection of Calendars and other materials is available for students planning further studies in professional faculties or graduate schools, as is advice about the admission requirements and practices of the professional faculties of the University of Toronto and other Ontario universities. Information and application forms are available to students who plan to take aptitude tests required for application for admission to various graduate and professional schools (the Graduate Record Examinations, the Dental Aptitude Tests, the Law Schools Admissions Test, the Medical College Admission Tests and others). Information is available about study and student travel abroad.

## Awards and Financial Assistance

Applications for the Ontario Student Assistance Programme may be obtained from and submitted through the Student Services Office. Loan certificates and grant cheques are distributed through the office. Students Services counsellors can: (1) check application forms to ensure that they are completed correctly (incorrectly completed applications can result in long delays); (2) answer questions about the Programme and about the likelihood of assistance for individual students; (3) explain assessments; and (4) assist students who would like to appeal their awards.

Information and (where appropriate) applications are available for University and College scholarship and bursary programmes. Applications for emergency assistance from the Scarborough College Emergency Loan Fund may be submitted through the Student Services counsellors. Finally, information is available about awards for graduate study in Canada and elsewhere.

## Career Counselling and Information

A career counsellor from the University's Career Counselling and Placement Centre visits the College weekly to meet with interested students. Students can arrange appointments through the Student Services Office.

The following printed information is available: a library of information about careers suitable for university graduates; information about all recruitment programmes carried on in the University, including the federal and provincial government programmes; and lists of part-time and summer employment opportunities.

## Housing

The Student Services Office provides information about, and applications for, accommodation in the Scarborough College Student Village. Information is also available about accommodation for women in the nearby residence of the Scarborough Regional School of Nursing. Finally, listings of off-campus housing are main-



tained (rooms, apartments, shared accommodation and board and lodging situations).

### **Pre-university Counselling**

The Student Services Office makes arrangements with nearby secondary schools for students, considering the possibility of post-secondary education at Scarborough College or elsewhere, to visit the College, to sit in on classes and to discuss their impressions and their plans with Student Services counsellors. Individual students, from schools which do not participate in this programme, are invited to write or telephone the Student Services Office if they would like to arrange a visit to the College.

### **General Help**

A University can often be a lonely and confusing place; adjustment to university life and study can be difficult. Students are invited to talk over any problems with the counsellors in Student Services who will provide a sympathetic ear, do what they can to help, or help students to find appropriate assistance elsewhere.

### **Writing Laboratory**

The Writing Laboratory (Room R-5223) is a free resource-and-assistance centre for students and faculty who are interested in effective academic writing. The key activity of the staff is individual tutorial guidance. Students present their work for close analysis, and receive personal consultation on such problems as organization, syntax, vocabulary, punctuation and style.

The Laboratory also sponsors seminars on the common and uncommon problems of scholarly reportage — please watch for announcements of these events — and maintains a small but very useful selection of books about writing. These volumes are available both for quick reference and for limited circulation whenever the College is in session.

The Laboratory is open during the Summer Session on Tuesdays, Wednesdays and Thursdays from 1:00 to 5:00 p.m. Beginning on 9 September, the Laboratory will be open Monday through Friday, 10:00-12:00 and 2:00-5:00 p.m. No appointment is necessary, but call 284-3369 during Laboratory hours if you wish to reserve a time.

### **Student Residences**

The Scarborough College Student Village consists of forty-five self-contained town houses, accommodating four or six students per unit. In total, the town houses accommodate 250 students in 182 single bedrooms and 34 doubles. Students may choose to live in all male houses, all female houses or mixed houses.

Each unit is fully furnished, including an equipped kitchen with dishes and utensils, bathrooms and a storage area. Bedrooms are separated from living areas for

maximum privacy. Two laundry rooms (with coin-operated machines) are available for residents.

Scarborough College students taking two or more courses are eligible for residence.

Fees for 1974-75 have not yet been established. They will probably be increased by approximately 4% over the fees for 1973-74 which were as follows: single bedroom \$645.00, sharing double bedroom \$625.00.

Students who wish to apply may obtain application forms from either Student Services Office (Room S-418C, telephone 284-3292) or from the Office of the Comptroller (Room S-407S, Scarborough College, 1265 Military Trail, West Hill, Ontario, M1C 1A4, telephone 284-3174).

### **Other Housing**

#### **Private Accommodation in Scarborough**

The Student Services Office (S-418C) maintains listings of off-campus accommodation in the Scarborough area: rooms, apartments, room and board situations, etc. Since these listings change frequently, comprehensive lists cannot be mailed to students; instead, students should come to the Student Services Office.

#### **The Scarborough Regional School of Nursing Residence**

Some accommodation is available for women at the residence of the Scarborough Regional School of Nursing, about one mile from the College. Inquiries should be addressed to the Scarborough Regional School of Nursing, 2877 Ellesmere Road, West Hill, Ontario, M1E 4C1.

#### **Private Accommodation in Downtown Toronto**

Students who would like to locate in the downtown area are invited to make use of the University of Toronto Housing Service at 49 St. George Street, Toronto, Ontario, M5S 1A1.

### **Health Service**

The Health Service Offices are located on the third level balcony around the Meeting Place, Room S-304. Medical care and advice are provided daily throughout the academic year.

A nurse is in attendance each day from 9:00 a.m. to 5:00 p.m. Physicians are available for clinical consultation by appointment on weekdays.

Allergy injections and vaccinations will be administered by the attending physician. Sex and V.D. information, contraceptive advice and prescription, and counselling in the event of unwanted pregnancy are readily available.

At times when the Health Service is not open, students living away from their homes may obtain telephone advice from attending College physicians through their offices: Dr. T.W. Fox (267-1605) and Dr. A.M. Breuls (439-3471). Students living at home should call their family physicians.

The Ontario Health Insurance Plan (OHIP) is recommended for all independent students and all students who have reached twenty-one years of age. *Free* OHIP is available under certain conditions. Please check with the Health Service Office for further details.

A psychiatric service is provided at the College for consultation about emotional and personal problems, and for psychotherapy. The service is strictly confidential. Many students use the psychiatric service to help resolve problems associated with personal growth and development, and to help with personal, family, social and emotional problems which may keep them from working effectively, or which may prevent enjoyment in relationships with others.

Appointments with Dr. Taylor Statten and members of the psychiatric staff may be made by calling 284-3303 or 928-2443 between 9:00 a.m. and 5:00 p.m. There is a psychiatrist on emergency call from 5:00 p.m. who may be reached by calling the St. George Street Infirmary (928-2458).

## Athletics and Recreation

Students have the opportunity of participating in a well planned, voluntary programme of physical activity. This programme is designed to promote fitness, health, fun and to afford students a means of filling leisure hours in a way which is advantageous to their social, intellectual and physical development.

The primary emphasis in the Physical Education programme is on coeducational, recreational activities which can be classed as "lifetime" sports. Such activities are promoted particularly in the free play, club and instructional levels where fitness and sports skills for present and future participation are developed. Those students who are more highly skilled are also challenged in special tournaments, intramural leagues and the Interfaculty League at the University of Toronto.

Since the programme emphasis is on coeducational, recreational activities, the facilities have been designed to accommodate this philosophy. The main programme areas are: a large gymnasium which is the size of three tennis courts; the teaching studio with its hardwood floor and mirrored walls; the four squash courts; and the billiard lounge. These areas are accessible to male and female alike. The spacious locker areas contain saunas and rooms for individual exercise and weight training.

Along with the many indoor recreational facilities, the Scarborough Campus offers outstanding outdoor facilities. There are many playing fields, boundless running space, four outdoor tennis courts and a beautiful valley in which to enjoy most outdoor activities.

The programmes and facilities of the Recreation Centre offer to all students the opportunity to identify with the College community, to develop social relationships and to reap the physical and mental benefits gained through sport, athletics and recreation.

All information regarding specific programmes and services may be obtained from the Physical Education staff by coming to the office in Room R-2255 or by telephoning 284-3393.

# General Information

## Application and Admission

The following information summarizes the admission requirements and application procedures of the University of Toronto. Full information is contained in the *Undergraduate Admission Handbook 1974-75* (for students presenting Canadian qualifications) and the *Undergraduate Admission Bulletin 1974-75* (for students presenting qualifications other than Canadian). Copies of the *Admission Handbook* are available at all Ontario Secondary Schools and both booklets may be obtained by writing to:

The Office of Admissions  
University of Toronto  
315 Bloor Street West  
Toronto, Ontario, M5S 1A3

## Bases of Admission

- (1) **Ontario Grade 13.** The basis of admission for applicants whose Grade 13 programme was completed in 1973-74 is outlined below; candidates who completed Grade 13 in 1971 or previously should present a seven credit programme.

Entrance to the first year of study at the College is offered to candidates from Ontario Secondary Schools who demonstrate good standing, based upon the following evidence:

- (a) Completion of Secondary School studies, including a full programme of academic work at the Grade 13 level.
- (b) A recommendation by the Secondary School last attended regarding probable success in University studies.
- (c) A complete academic report for the last three years of Secondary School.

The University of Toronto does not require applicants for admission to submit the results of standardized tests offered by the Service for Admission to College and University (SACU). However, individual applicants may, if they so wish, present SACU test scores as additional evidence of their academic aptitude. Such information will be considered by admission and scholarship committees on an individual basis.

- (2) **Other Canadian Provinces and other Countries.** Students who would like to apply for admission on the basis of work completed in other Canadian provinces or in other countries should write to the Office of Admissions, outlining their academic qualifications. Students who appear to be eligible for admission consideration will be mailed application forms and further information.

All Applicants are required to submit evidence of facility in the English language. Applicants whose mother tongue is not English may be required to meet an appropriate standard in a recognized English facility test. Further information may be obtained from the Office of Admissions.

- (3) **Non-Matriculants (Mature Students).** Applicants who are twenty-one years of age or older, who have been residents in Ontario for one year, and who have sound (if incomplete) academic records, will be considered for admission as non-matriculant students (mature students) upon completion with high standing of one pre-university course offered by Woodsworth College (formerly the Division of University Extension).

Persons who would like to apply for admission as non-matriculants should consult with the Office of Admissions about their eligibility before undertaking a pre-university course as successful completion of such a course does not, in itself, ensure admission.

Pre-university courses are designed to assist persons who would like to be considered for admission to the University on the non-matriculant basis and also persons who want to prepare themselves for more advanced courses. They are similar to Grade 13 courses, but demand performance at the level that would be expected of the applicant in his first year of university study.

Pre-university courses are offered in: English, History, Mathematics, Physics and Chemistry. The fee is approximately \$100 per course. A brochure giving additional information is available on request from: Woodsworth College, University of Toronto, 119 St. George Street, Toronto, Ontario M5S 1A3.

#### **Admission with Advanced Standing Credit for Work Completed Elsewhere**

An undergraduate who has completed work at another university, or at another faculty in the University of Toronto, may be considered for admission to Scarborough College with advanced standing credit. Such credit is awarded only for work which is equivalent in content to course work at Scarborough College. Applications are considered individually in terms of the student's academic record and the courses offered at this College. Applicants must submit an Ontario Grade 13 certificate (or equivalent) and an official transcript of record from the university or faculty from which he wishes to transfer, showing the specific courses which he has completed with his standing in each.

Applications for admission with advanced standing should be submitted by 1 June, 1974.

#### **Application Procedures**

- (1) **Current Ontario Grade 13 Students.** Candidates currently enrolled as full-time students in Ontario Grade 13 should obtain application forms from their High School Guidance Office.
- (2) **Applicants other than Current Ontario Grade 13 students.** All candidates other than those currently in Ontario Grade 13 should write to the Office of Admissions, specifying their interest in Scarborough College and giving full details regarding their academic standing.

- (3) **Summary of Application Dates.** Applications for admission should be submitted as early as possible in the year for which the applicant seeks admission, and normally not later than the dates listed below:

1 April 1974    Application for Summer Evening Session  
15 May 1974    Application for Summer Day Session  
1 August 1974    Application for Winter Session

(Applications for admission to the Winter Session which are received during August will be considered, but a decision for the 1974-75 session cannot be guaranteed.)

#### **Counselling for Applicants**

Applicants who have any questions or problems are invited to contact Mrs. L. Gordon, Admissions Adviser, Office of the Associate Dean and Registrar, Scarborough College, (284-3359).

#### **Fees**

##### **Summer Session, 1974**

Fees for the Summer Session, 1974 had not been announced at the time of publication of this *Calendar*.

To assist students in their financial planning, the schedule of fees for the Summer Session, 1973 is given below. The schedule of fees for the Summer Session, 1974 will be mailed to students who pre-register for courses in that session; changes in fees may well be forthcoming.

##### **Fees for the Summer Session, 1973**

##### **Fees for the Summer Session, 1974 will be Announced**

Academic Fees	\$115.00 for each full course \$57.50 for each half course
Incidental Fees	\$5.00 for each student registering in the Summer Evening Session \$8.00 for each student registering in the Summer Day Session or in both the Summer Day and the Summer Evening Sessions.

Information on the method of payment of fees will be mailed to all students who pre-register for courses in the Summer Session.

##### **Winter Session, 1974-75**

##### **(1) Schedule of Fees**

The schedule of fees for the 1974-75 Session has not yet been announced. To assist students in their financial planning, the schedule of fees for 1973-74 is given below. The schedule of fees for 1974-75 will be mailed to students in August 1974; changes in fees may well be forthcoming.

**Fees for 1973-74**  
**Fees for 1974-75 will be Announced**

Course Load	Academic Fees	Incidental Fees		Full Fees		First Instalment		Second Instalment (Due: 15 Jan.)
		Men	Women	Men	Women	Men	Women	
Part-time								
1/2	\$ 57.50	\$ 3.00	\$ 3.00	\$ 60.50	\$ 60.50	\$ Full Fees Required		
1	115.00	3.00	3.00	118.00	118.00	78.00	78.00	\$ 46.00
1 1/2	172.50	3.00	3.00	175.50	175.50	112.50	112.50	69.00
2	230.00	3.00	3.00	233.00	233.00	147.00	147.00	92.00
2 1/2	287.50	3.00	3.00	290.50	290.50	181.50	181.50	115.00
3	345.00	3.00	3.00	348.00	348.00	216.00	216.00	138.00
3 1/2	402.50	3.00	3.00	405.50	405.50	250.50	250.50	161.00
Full-time								
4	460.00	60.00	57.00	520.00	517.00	348.00	345.00	184.00
4 1/2	517.50	60.00	57.00	577.50	574.50	382.50	379.50	207.00
5	575.00	60.00	57.00	635.00	632.00	417.00	414.00	230.00
5 1/2	632.50	60.00	57.00	692.50	689.50	451.50	448.50	253.00
6	690.00	60.00	57.00	750.00	747.00	486.00	483.00	276.00

**(2) Payment of Fees**

Students who have completed pre-registration procedures will be mailed fees schedules and fees forms in August. These students should mail their fees payment to the Fees Department of the University (at the address given below) by no later than Wednesday, 21 August. If payment is mailed after this date, fees clearance may well not reach Scarborough College in time to permit the student to register. If a student cannot mail his fees payment by 21 August, he should either:

- (a) pay his fees in person at the Fees Department on the St. George Campus (address during August and September: the Drill Hall, 119 St. George Street), obtaining a receipted copy of his fees form, and bringing this copy to registration; or he should
- (b) pay his fees in person at registration.

It is strongly recommended that students make every effort to pay their fees by mail before 21 August; failure to do so may result in students' encountering long delays at registration in September.

Students who did not complete pre-registration procedures will not receive a fees form in the summer and will be required to pay their fees in person at registration.

Fees should be paid by means of a personal cheque or money order. Changed cheques, counter cheques or post-dated cheques will not be accepted. Cash can be accepted only from students who pay their fees in person at the Fees Department on the St. George Campus.

Students should make cheques payable to the "University of Toronto" in Canadian funds. Returned cheques are subject to a ten dollar (\$10.00) penalty fee.

Students should print neatly on the back of their cheques or money orders: their name, their student number and "Scarborough College".

Late registration and late payment of fees, without previous written permission from the Registration Officer, are subject to the late registration fee of ten

dollars (\$10.00) for the first day late and one dollar (\$1.00) for each further day of delay.

**(3) Payment by Instalments**

Students enrolled in one full course or more may, if they wish, pay fees in two instalments, the first instalment payable at or before registration and the second on or before 15 January, 1975. Payment by instalment, however, is more costly than payment of full fees at or before registration. A six dollar (\$6.00) instalment charge is required of part-time students who pay in instalments. (Part-time students are defined as those enrolled in 3½ or fewer courses.) A twelve dollar (\$12.00) instalment charge is required of full-time students who pay in instalments. (Full-time students are defined as those enrolled in 4 or more courses.)

The second instalment is due by 15 January, 1975 without further notice. Cheques or money orders should be mailed directly to the Fees Department at the address given below. Students who pay their second instalments after 15 January will be charged a late payment penalty and may be charged interest on their overdue fees.

**(4) Use of Awards to Pay Fees**

**(a) Ontario Student Assistance (OSAP)**

Full-time students who receive Ontario Student Assistance (OSAP) may credit some or all of the loan portion of their awards to payment of their fees: either full fees or first instalments.

If a student has been notified that he will receive OSAP, and if he would like to have some or all of his fees paid by this OSAP loan, he may submit his OSAP "Student Assistance Statement" (or a photocopy of it) along with his fees form and with his payment for any amount of fees not covered by the OSAP loan. The Student Assistance Statement will be accepted, up to the full amount of the loan, in lieu of a cheque or money order for fees. When the student goes to negotiate his loan, his bank will be instructed to pay the appropriate amount to the University to cover fees.

**(b) Scholarships and Bursaries**

Students who will be receiving scholarships or bursaries *paid by or through the University* may use these awards to pay some or all of their fees. If a student pays fees in September, he may deduct the entire amount of his award from his fees payment. If a student will be paying only the first instalment in September, he may deduct up to one-half the amount of the award.

**(5) Fees Adjustments**

**(a) Change of Course Load**

At or before registration students are asked to state what their course load will be for the full session, both first and second terms, and to pay fees for this course load. Students may increase or reduce their stated course loads by adding or dropping courses before the deadlines indicated in the "Academic Calendar" section of this *Calendar*. Students must complete a "Request to Change Stated Course Load" form at the Office of the Associate Dean and Registrar; appropriate adjustments in fees will be made.

If students decide to *increase* their course loads after registration, they will be charged the full fee for the additional course(s) and will also be charged a late penalty of ten dollars (\$10.00) per full course or five dollars (\$5.00) per half course\* which is added after registration.

If students decide to *decrease* their course loads after registration, they lose a portion of the fee for the course(s) from which they withdraw. Refunds for students who decrease their course loads will be calculated from the date the student completes his "Request to Change Stated Course Load" form; hence, students should complete this form immediately if they decide to reduce their course loads.

(b) **Withdrawal**

If a student decides to withdraw from his studies entirely for a given session he must notify the Office of the Associate Dean and Registrar at once and complete an official withdrawal form. Charges for fees will be calculated from the beginning of the academic year to the date the student signs the withdrawal form.

(6) **Fees Receipts**

(a) **Fees Receipts After Registration**

Fees receipts cannot be issued at registration. Students are asked to use their cancelled cheque or money order copy as a receipt. If, however, a student requires an official receipt for some purpose *other than income tax*, he may request such a receipt in writing from the Fees Department at the address given below.

(b) **Fees Receipts for Income Tax Purposes**

Fees receipts for income tax purposes ("tuition fees certificates") will be issued to cover fees payments up to the end of January 1975. These receipts cover the *academic* fees only; incidental fees are not tax deductible. They cover all fees received for the academic year 1974-75, and should be saved for the 1974 income tax return. The tuition fees certificates may be picked up at the Office of the Associate Dean and Registrar; signs will be posted prominently in the College when they are available for pick-up. (Tuition fees certificates will be mailed to students taking courses only at Durham College, Oshawa.)

(7) **Inquiries and Correspondence**

Inquiries and correspondence about fees should be addressed to:

The Fees Department  
Office of the Comptroller  
215 Huron Street (Second Floor)  
St. George Campus  
University of Toronto  
Toronto, Ontario, M5S 1A2  
Telephone: 928-2142

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\*This fee is under review and may be changed for 1974-75.

## Registration

### Pre-registration

(1) **New Students and Students Re-enrolling after Absence of a Year or More**

New Students and students re-enrolling after absence of a year or more may pre-register for 1974-75 courses between 3 June 1974 to 2 August, 1974. New students are required to pre-register in person at the Student Services Office. That office will be open on most evenings in June and July. Detailed information will be mailed to all newly admitted and re-enrolling students.

(2) **Students Registered for the 1973-74 Session**

Students who are registered for the 1973-74 Session will receive their pre-registration material from their faculty advisers in March, 1974. (Students who do not have faculty advisers will receive their material in the mail from the Office of the Associate Dean and Registrar.) Pre-registration course selection forms must be submitted to the Office of the Associate Dean and Registrar by 11 April, 1974. Students are strongly advised, in their own interest, to complete their pre-registration before the 11 April deadline. Students who pre-register during the session are assured that their faculty adviser will be available for help with course selection and programme planning. Students who have completed their pre-registration will be able to pay their fees by mail in advance of registration and will have complete computer-printed registration documents; as a result, they will be able to avoid long line-ups and delays during registration week.

(3) **Students who were Last Registered for the 1973 Summer Session**

Students who were last registered for the 1973 Summer Session will be mailed pre-registration material for the 1974 Summer Session. The last day for pre-registration for the Summer Session is 11 April, 1974. Students who were last registered in the 1973 Summer Session will not have been assigned a faculty adviser; they are invited to seek advice about their course selection from any member of the faculty or from the Student Services Office (Room S-418, telephone 284-3292).

(4) **Changes in Pre-registration Course Selection**

Students may make changes in their pre-registration course selection:

(a) For the Summer Session: until two weeks before the beginning of registration for the Summer Evening or Summer Day Session; and

(b) For the 1974-75 Session: until 2 August, 1974

Students should complete a course change form at the College or should write to the Office of the Associate Dean and Registrar, clearly stating which course(s) are to be dropped and which are to be added.

### Registration for the Summer Session

(1) **Payment of Fees**

Students who pre-registered will be mailed (together with other registration information) fees forms and instructions regarding payment of fees by mail. Students who did not pre-register are expected to pay fees in person at registration.

## (2) Registration

For registration dates please refer to the "Academic Calendar" section of this *Calendar*. All students must register in person; full details regarding registration procedures will be available from the Office of the Associate Dean and Registrar in April.

## (3) Course Changes

To add any course to his registration, or to delete any course from it, a student must submit a course change form to the Office of the Associate Dean and Registrar. After pre-registration, the student may change courses until two weeks before registration week. Once classes have begun, course change forms must bear the signature of the instructor in any new course the student wishes to enter. Students should consult the "Academic Calendar" section of this *Calendar* for the last dates to enter or withdraw from courses. If a student changes his course load after registration, he must complete a "Request to Change Stated Course Load" form.

## Registration for the Winter Session

### (1) Payment of Fees

Students who have pre-registered will be mailed fees forms with detailed instructions early in August. Students are urged to pay their fees by mail before 21 August 1974 to avoid unnecessary delays during registration.

Students who did not pre-register will not receive fees forms and are expected to pay their fees in person at registration.

### (2) Registration

All students (full and part-time) are expected to register in person during registration week:

A-E	Tuesday	3 Sept.	12 noon — 4:30 p.m. and 6:00 p.m. — 8:00 p.m.
F-L	Wednesday	4 Sept.	12 noon — 4:30 p.m. and 6:00 p.m. — 8:00 p.m.
M-R	Thursday	5 Sept.	12 noon — 4:30 p.m. and 6:00 p.m. — 8:00 p.m.
S-Z	Friday	6 Sept.	12 noon — 4:30 p.m. and 6:00 p.m. — 8:00 p.m.

Part-time students who are unable to register on their specified date may register on Saturday, 7 September, from 10:00 a.m. — 2:00 p.m.

In order to be registered officially, a student must have selected his courses, paid his fees and signed a statement regarding his status as a student. To avoid unnecessary delays during registration students are urged to pre-register, to pay fees by mail in advance, and to attend on the registration day specified for them.

### (3) Course Changes

To add any course to his registration, or to delete any course from it, a student must submit a course change form to the Office of the Associate Dean and Registrar. After pre-registration, a student may change courses until 2 August, 1974. Course changes will not be accepted between 2 August and the beginning of classes. Once classes have begun, course change forms must bear the signature of the instructor in any new course the student wishes to enter. Students should consult the "Academic Calendar" section of this *Calendar* for the last dates to enter or withdraw from courses. If a student changes his course

load after registration, he must complete a "Request to Change Stated Course Load" form.

## Withdrawal

To withdraw from a course, a student must complete a course change form at the Office of the Associate Dean and Registrar. If the effect of the withdrawal from the course is to reduce the student's course load, the student must also complete a "Request to Change Stated Course Load" form. Fees for the course will be calculated from the first day of the course until the date on which the student completes the "Request to Change Stated Course Load" form; in order to secure the best possible fees adjustment, the student should notify the Office of the Associate Dean and Registrar at once of the withdrawal and change of course load. If the effect of the withdrawal from the course is that the student will cease entirely his studies at the College for the remainder of the session, the student must also complete a withdrawal form. For the last dates for withdrawal from courses without academic penalty (without a grade of "F" being entered on the student's transcript), students should consult the "Academic Calendar" section of this *Calendar*.

To withdraw entirely from the College, a student must complete a withdrawal form at the Office of the Associate Dean and Registrar. Charges for fees for students who withdraw are calculated from the first day of classes until the date the student signs the withdrawal form; hence, in order to receive the best possible fees adjustment, students should advise the Office of the Associate Dean and Registrar at once of any decision to withdraw.

Before any refund is authorized, students must: (1) return any books to the Library, pay and Library fines and surrender their Library cards; (2) surrender any Bookstore charge card and make arrangements to repay any outstanding account; (3) return any equipment borrowed from the Recreation Centre and surrender any locker in the Centre; and (4) surrender any College locker and parking permit (receiving a refund for the locker deposit and a possible refund for part of the parking fee).

## Academic Advising

Every student in the College has a personal academic adviser chosen from among the professorial staff. A new student is assigned an adviser whose own academic field lies as close as possible to the stated interests of the student; later he may get a different adviser if his interests change or become more specialized. The role of the adviser is to provide a unique personal contact which may endure throughout the student's career at the College, to assist in the selection of courses to form a coherent and useful programme, and to give other academic counsel whenever it may be needed.

New students, who have not yet been assigned a personal adviser, should contact one of the Divisional offices listed below if they need academic counselling.

**Humanities** (Classics, Drama, English, Fine Art, French, German, History, Italian, Linguistics, Music, Philosophy, Russian, Spanish)

Divisional Office: H-527; telephone 284-3304.

**Life Sciences** (Biology, Psychology)

Divisional Office: S-421A; telephone 284-3291.

**Physical Sciences** (Astronomy, Chemistry, Mathematics, Physics)

Divisional Office: R-4704; telephone 284-3289.

**Social Sciences** (Anthropology, Commerce, Economics, Geography, Political Science, Sociology)

Geography and Political Science Secretaries: R5111; telephone 284-3326

Anthropology, Commerce, Economics and Sociology Secretaries: H411; telephone 284-3115.

## Scholarships

### Admission Scholarships

A substantial number of scholarships are awarded to students entering Scarborough College with outstanding secondary school records. Students entering the College may qualify for scholarships awarded both by the University of Toronto and by Scarborough College.

A full description of the admission awards available is to be found in the booklet, *University of Toronto Admission Awards, 1974-75*, available at any Ontario high school.

Students currently enrolled in the Ontario Grade 13 should make application on forms available from and submitted to the student's high school. The application deadline is 26 April, 1974. Students complete two copies of the application form: one copy for consideration for University of Toronto scholarships, the other copy for consideration for College scholarships.

Students with outstanding high school records who completed Ontario Grade 13 work prior to 1973-74, or who completed high school work outside of Ontario, may also apply for admission scholarships. For University of Toronto Scholarships, applications may be obtained from, and must be returned to, The Director of Student Awards (Simcoe Hall, University of Toronto, Toronto M5S 1A1) before 1 June 1974. Separate application must be made for Scarborough College Scholarships. Applications may be obtained from and must be returned to the Office of the Associate Dean and Registrar before 1 June 1974.

### In-Course Scholarships

In-course scholarships are awarded to students who achieve excellent academic standing at Scarborough College and who are continuing their studies at the College.

**University of Toronto In-Course Scholarships.** The University of Toronto awards a number of scholarships to students in any faculty or college. Application forms, available in the fall from the Student Services Office, must be submitted by 15 October, 1974.

**Scarborough College In-Course Scholarships.** The Council of Scarborough College awards a number of scholarships each spring. All students who achieve excellent

academic standing will be considered; no application is necessary. Scholarship winners will receive notification of their awards at about the same time they receive their statements of academic results.

### Graduating Class Prizes

Four prizes are awarded to members of the graduating class who achieve exceptionally high academic standing.

**The Governor General's Silver Medal.** This medal is awarded to the student with the highest academic standing in the graduating class.

**Prizes in Humanities, Science, and Social Sciences.** Three prizes, each valued at \$50, are awarded to students with the highest standing in the graduating class in each of: Humanities, Science and Social Sciences.

## Financial Assistance

### Ontario Student Assistance Programme

The Ontario Student Assistance Programme will provide financial assistance to students:

- (1) who are full-time students;
- (2) who meet certain citizenship and Ontario residence requirements;
- (3) who, in the case of married students or students over the age of twenty-four demonstrate, according to a Government means test, that their income (plus that of any spouse) is inadequate to meet their educational costs;

or

- (4) who in the case of unmarried students under the age of twenty-four demonstrate, and whose parents demonstrate, according to a Government means test that their incomes are inadequate to meet the student's educational costs.

Ontario Student Assistance is part interest-free loan and part grant. In 1973-74, all awards of \$800 and less were interest-free loans. For awards over \$800, the first \$800 was awarded in the form of an interest-free loan, and the remainder in the form of a non-repayable grant. Loans are interest-free until six months after the student's graduation or cessation of full-time study, at which time interest is charged at the prime bank rate.

In 1973-74 awards ranged from as little as \$50 to as much as \$2300 depending upon the Government assessment of the student's need.

Each loan application is assessed individually by the Ontario Ministry of Colleges and Universities. A description of the method of assessment is available in the brochure, "Ontario Student Assistance Programme, 1974-75", available from the Student Services Office (Room S-418C).

OSAP should be regarded as the primary source of financial assistance for needy Ontario students. Other assistance such as bursary assistance (below) is available only in small amounts to students who do not qualify to apply for Ontario Student Assistance or who have received OSAP assistance which is insufficient to meet their needs.

Students who applied for OSAP in 1973-74 (except those in their last year of studies), will automatically be mailed application forms. Other students may obtain

application forms from the Student Services Office (Room S-418C, telephone 284-3292), from the Office of Student Awards on the St. George Campus (Room 107, Simcoe Hall, telephone 928-2204 or 928-7313) or from any post-secondary institution in Ontario.

Students are urged to apply early. Students who have not submitted applications by 1 July may well not receive assistance in time for registration in September. Single students under twenty-four years of age whose parents are self-employed are urged to apply by 1 June if they hope to receive assistance in time for registration.

To be considered at all, OSAP applications must be submitted by 30 September, 1974. Applications submitted after this date but before 31 January 1975 will be considered for one-half the normal assistance. Only in cases where a sudden change in circumstances creates grave need will applications be accepted after 31 January 1975.

If at all possible, students should submit their applications in person either to the Student Services Office or to the Office of Student Awards. Application forms are complicated and errors in their completion may result in long delays in students' receiving notification of their awards and in their receiving assistance.

If there are significant changes in a student's financial circumstances, and if the student would like to request a review of his OSAP application, the student should make enquiries at the Office of the Associate Dean and Registrar or the Student Services Office.

If a student would like to have his OSAP assessment explained to him, he should similarly make enquiries at the Office of the Associate Dean and Registrar or the Student Services Office.

#### Canada Student Loans Plan

Canada Student Loans are available to students who:

- (1) are Canadian citizens or landed immigrants;
- (2) have resided in Canada for an uninterrupted period of twelve months;
- (3) demonstrate financial need; and who
- (4) are ineligible for Ontario Student Assistance (OSAP).

In 1973-74, the maximum amount of any Canada Student Loan was \$1400.

Full information about the Plan is contained in a brochure issued each spring by the Government of Canada.

For Ontario students, the application form for the Ontario Student Assistance Programme (OSAP) is also used for the Canada Student Loans Plan. Application forms and brochures are available from the Student Services Office (Room S-418C, telephone 284-3292) or from the Office of Student Awards on the St. George Campus (Room 107, Simcoe Hall, telephone 928-2204 or 928-7313).

Application forms should be submitted as early as possible, but are acceptable throughout the academic year.

If at all possible, students should submit their applications in person either to the Student Services Office or to the Office of Student Awards. Application forms are complicated and errors in their completion may result in long delays in students' receiving notification of their awards and in their receiving assistance.

#### Assistance to Part-time Students

In 1973-74, the Government of Ontario began, on an experimental basis, a loan plan for part-time students.

Part-time students who are in need of financial assistance should enquire late in the spring term about the possibility of aid for 1974-75. Enquire at the Student Services Office (Room S-418C, telephone 284-3292) or at the Office of Student Awards on the St. George Campus (Room 107, Simcoe Hall, telephone 928-2204 or 928-7313).

#### Bursaries

Bursaries are awarded to students who demonstrate both good academic achievement and financial need or, in some cases, only financial need.

(1) *University of Toronto Bursaries.* Students, who are in financial need and who have achieved a good academic record are eligible to apply for University of Toronto Bursaries. Application forms, available in the fall from the Student Services Office, must be submitted by 15 October 1974.

(2) *Scarborough College Bursaries.* The following bursaries are awarded during the spring term. A single application form is used to apply for all of them. Application forms, available in the Student Services Office must be submitted by 31 January 1975.

*Scarborough College Special Bursaries.* From University of Toronto endowment funds allocated to the College, these bursaries are awarded to students in real financial need who are making very good academic progress.

*Scarborough College Alumni Association Bursaries.* Gifts of the Varsity Fund, through the auspices of the Scarborough College Alumni Association, these bursaries are awarded to students in real financial need who are making satisfactory academic progress.

*The MacDonald Bursary.* Gift of Mr. Ian MacDonald, former Administrative Assistant to the Chairmen of the Division of Science, this bursary is awarded to a student who has completed at least five courses with very good standing and who demonstrates financial need.

*The Dr. Vivian Paskal Memorial Bursary.* From a fund donated by the family, friends, colleagues and students of the late Dr. Vivian Paskal, this bursary is awarded to a student who will, in the next academic year, be completing the last five courses for a 20-credit degree, or who will be entering a graduate programme in Psychology. The award is made in the spring term but is paid in the following fall term after the bursary recipient has registered for his or her studies. Value: \$75.

#### Emergency Loans

The Scarborough College Emergency Loan Fund has been established from the contributions of members of Scarborough College.

The fund is designed to provide emergency, short-term loans to students who are unable to obtain assistance from any other source and who are in need of this assistance in order to carry on with their studies.

Loans are provided to assist students with essential living costs only. Because of the limited size of the fund, loans cannot be provided to help students pay tuition fees.

Students should enquire at the Office of the Associate Dean and Registrar or the Student Services Office.



## Discipline

### Summary of the Regulations of the University Caput Concerning Student Discipline\*

Subject to the general regulations of the Caput of the University regarding jurisdiction in matters of discipline, Scarborough College Council has disciplinary jurisdiction over the conduct of all students registered in Scarborough College in all matters of local or internal concern to the College. Jurisdiction over the conduct of students while in the Scarborough College Student Village (residence), regardless of the Division of the University in which they are registered, is vested in Scarborough College.

Where the appropriate body exercising disciplinary jurisdiction has found that a student of the University has engaged in conduct prejudicial to the interests of the University, the Caput may, in its discretion, suspend or expel such student from the academic privileges of the University. Every decision of the Caput involving the expulsion of a student from the University requires confirmation of the Governing Council.

The constitution of every society or association of students in the University and all amendments to such constitutions require to be approved by the relevant University authorities. The giving of approval, and the responsibility for the programmes of student societies and associations, shall rest as follows:

- (1) With the authorities of the Scarborough College where the membership of the student society or association is drawn only from Scarborough College;
- (2) With the Board of Stewards of Hart House, where the student society or association is a Committee of Hart House and is controlled by the Board of Stewards of Hart House;
- (3) With the Caput, in the case of all other student societies and associations.

### The College Court on Examinations and Term Assignments†

The Scarborough College Court on Examinations and Term Assignments, consisting of an equal number of faculty members and students, was created by Scarborough College Council in 1970 to exercise Council's jurisdiction in the area of student academic discipline.

The Court serves to determine the validity of accusations against (1) any person accused of cheating on a final examination; or of (2) any person who is found by an instructor to have misbehaved in the preparation of term assignments or the writing of term examinations and who chooses to appeal this finding or the resultant academic penalty.

Inquiries should be directed to the Associate Dean and Registrar, who is Secretary of the Court. Copies of the College Policy on Academic Misconduct and

of the Guidelines of the Court on Examinations and Term Assignments may be obtained from the Associate Dean and Registrar.

### Plagiarism-Advice for Essay Writers

Plagiarism is the act of presenting the ideas or words of another as one's own. While it may be argued that few ideas are original, instructors expect students to acknowledge the sources of ideas and expressions that they use in essays. To represent them as self-created is dishonest and academically worthless.

Students may quote or paraphrase another writer if he has stated an idea strikingly, as evidence to support arguments or conclusions, or as a point against which to argue, but such borrowing should be used sparingly and always indicated in a footnote. The aim of scholarship is to develop one's own ideas and research and only by trying to develop his own thoughts and arguments will a student mature academically.

To provide adequate documentation is not only an indication of academic honesty but also a courtesy enabling the teacher to consult the student's sources with ease. Failure to do so constitutes plagiarism which is subject to serious academic penalty.

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\*As of 1973-74. A committee of the Governing Council began in the fall of 1972 to examine the whole question of non-academic discipline at the University of Toronto, and it is expected that a new or significantly amended set of disciplinary structures and principles will be introduced in the session 1974-75. Inquiries should be directed to the Office of the Associate Dean and Registrar, Scarborough College, or to the Office of the Vice-President (Internal Affairs), Simcoe Hall.

†The arrangements described are those effective at the time of publication, March 1974. The Governing Council of the University is currently reviewing the question of academic discipline at the University of Toronto and a new or significantly amended set of disciplinary structures and principles may well be introduced for the session 1974-75.

# Degree Requirements and Academic Regulations

## General Requirements

- (1) Each student plans his own programme by combining any number of courses or half-courses up to the maximum stated below *subject only to the following*.
  - (a) The degree requirements set out below shall be satisfied.
  - (b) All stated prerequisite and corequisite requirements shall be satisfied.
  - (c) Any two half-courses are equivalent to one full course; they may be from different disciplines.
- (2) Students of Scarborough College are permitted to proceed towards a degree at a rate of their own choosing, except that:
  - (a) a maximum of six full courses may be taken for credit in the winter session; and
  - (b) a maximum of two full courses may be taken for credit in the summer session.
- (3) Students may take as few or as many courses as they wish in any session up to the maxima stated above.
- (4) The usual load for a student who wishes a full-time programme in the winter session is five full courses or equivalent.

## Requirements for the Fifteen-course Degree

A student shall be said to have completed the requirements for a fifteen-course degree when, at the end of the session which includes the fifteenth course, he has:

- (1) obtained standing in at least fifteen courses;
- (2) obtained standing in at least eight B- and C-level courses;
- (3) obtained a final mark of 60% or better in at least eight full-course-equivalents; of these courses with a final mark of 60% or better, at least four must be B- or C-level courses; and,
- (4) for a Bachelor of Science degree, obtained standing in at least six B- or C-level courses in one or more of the following disciplines: Astronomy, Biological Science, Chemistry, Geography\*, Geology, Mathematics, Physics, Psychology.

\*The following courses in Geography fulfill the requirements for the B.Sc. degree: GGRB02Y, GGRB03Y, GGRB07Y, GGRB10Y, GGRB11Y, GGRB15Y, GGRC05F, GGRC06F, GGRC08F, GGRC15S, and GGRC19F. In addition the following courses may be used to fulfill B.Sc. requirements for students researching or reading in appropriate scientific areas of Geography: GGRB09Y, GGRB16Y, GGRC01Y and GGRC07Y.

## Requirements for the Twenty-course Degree

A student shall be said to have completed the requirements for a twenty-course degree when he has:

- (1) obtained standing in twenty courses;
- (2) obtained standing in at least thirteen B- and C-level courses;
- (3) obtained a mark of 60% or better in a total of at least twelve full course equivalents; of these twelve courses at least eight must be B- or C-level courses.
- (4) for a Bachelor of Science degree, included at least nine B- or C-level courses in one or more of the following disciplines: Astronomy, Biological Science, Chemistry, Geography\*, Geology, Mathematics, Physics or Psychology.

## Regulations Governing Standing in a Course

### Standing in a Course

The following scale of marks and grades will be used for all courses and half-courses:

Marks	Grade
80% – 100%	A
70% – 79%	B
60% – 69%	C
50% – 59%	D
below 50%	Fail

In the case of half-courses, standing must normally be obtained in each half-course attempted. Marks in two half-courses may not be averaged to produce standing in an equivalent whole course, except where the Division(s) concerned specify beforehand that this will be permitted for particular and stated combinations of two half-courses.

The method of arriving at a final mark for each B- or C-level course (or half-course) will be decided by the Division offering the course. The final mark in the A-level courses will normally be made up of a term mark and an examination mark, with the restriction that not less than one-third nor more than two-thirds of the final mark will be based on term work. Final examinations will normally be held in A-level courses, and requests for exemption of courses from this regulation shall be brought before the College Council.

### Withdrawal from a Course

- (1) The Winter Session, 1974-75
  - (a) A student may withdraw from a first term course until 15 October, 1974, from a year course until 15 November, 1974, and from a second term course until 3 February, 1975, with the two exceptions noted below.
  - (b) A student in attendance at university for the first time may withdraw from a first term course until 15 October, 1974, from a year course until 3 February, 1975, and from a second term course until 3 February, 1975.
  - (c) A student may withdraw from the College up to 3 February, 1975, without academic penalty in any year-long course or any second term course. However, if the student were to withdraw before the end of the first term but after 15 October, 1974, failure would be noted in any first term course. If the student were to withdraw after the end of the first term, credit would be retained for any first term half-courses completed and failure noted for any first term half-courses failed.

\*For courses in Geography which fulfill the requirements for the B.Sc. degree, please see the footnote on the previous page.

(2) **The Summer Evening Session, 1974**

A student may withdraw from a first term ('F') course until 28 May, 1974, from a session-long ('Y' or 'H') course until 13 June, 1974, and from a second term ('S') course until 16 July, 1974.

(3) **The Summer Day Session, 1974**

A student may withdraw from a first term ('F') course until 9 July, 1974, from a session-long ('Y' or 'H') course until 18 July, 1974, and from a second term ('S') course until 29 July, 1974.

**Aegrotat Consideration**

If the ability of a student to complete a course is affected by illness or domestic problems occurring after the final date for withdrawal from the course, a petition may be submitted through the Associate Dean and Registrar. If there are adequate grounds for the petition, the Division concerned will determine the status of the work done by the student and the steps, if any, that the student must take in order to complete the course. Students may be given the opportunity to submit assignments late or to write special examinations.

Any petition for aegrotat consideration must be submitted on or before the last day of the relevant examination period, together with a medical certificate which includes a statement that the student was examined at the time of the illness, or together with other evidence to support the petition.

**Regulations Governing Overall Standing**

(1) **Average Mark and Class Standing**

No average mark or class standing is calculated or indicated on any transcript of record (except for full time students in the 1972-73 session and previously, for whom average grades are indicated for these sessions only).

(2) **Academic Probation**

A student will be placed on academic probation if:

- (a) the student fails two or more courses in any session.

or if

- (b) at the end of any session (Winter or Summer) in which the fourth course is attempted, the student has obtained a grade of 'C' or higher in fewer than 50% of his course attempts since beginning studies leading to the degree. Under these circumstances, the student will be warned that he must gain the required 50% of courses at grade 'C' or better by the end of the next comparable academic session, or, in cases where this is impossible, must obtain a grade of 'C' or better in any course attempted until such time as the 50% requirement has been satisfied. In assessing the student's status at the end of the next comparable academic session, all courses attempted in the session will be counted as well as those courses from previous sessions in which the student has standing.

or if

- (c) at the end of any session (Winter or Summer) subsequent to that in which the fourth course is attempted, the student has obtained a grade of 'C' or

higher in fewer than 50% of the courses attempted during the session, plus those from previous sessions in which the student has standing. Under these circumstances the student will be warned that he must gain the required 50% of courses with a grade of 'C' or higher by the end of the next comparable academic session, or, in the case where that is impossible, must obtain a grade of 'C' or higher in any course attempted until such time as the 50% requirement has been satisfied. In assessing the student's status at the end of the next comparable academic session, all courses attempted in the session will be counted as well as those courses in which the student has standing from previous sessions.

(3) **Suspension for One Year**

A student will be suspended from the College for one calendar year if:

- (a) while on academic probation the student fails two or more courses, or  
(b) the student does not gain or regain the required 50% of courses at grade 'C' or better within the specified period on academic probation.

(4) **Suspension for Three Years**

A student will be suspended from the College for three calendar years if:

- (a) the student fails six courses  
(b) the student fails to satisfy the requirements for a fifteen-course degree in the first twenty attempts  
(c) while on academic probation a second time the student  
(i) fails two or more courses, or  
(ii) does not regain the required 50% of courses at grade 'C' or higher  
(d) after return from a one-year suspension the student  
(i) fails two or more courses in any session, or  
(ii) fails to recover the required 50% of courses at grade 'C' or higher by the end of the session, or, in the case where that is impossible, fails to obtain grade 'C' or higher in any course attempted until such time as the 50% requirement has been satisfied.

A student who wishes to return to studies in the College after having incurred a three-year suspension may, after the period of suspension has expired, enrol in any one session in two courses which he has not previously attempted. If the student obtains an average grade of 'B' in the two courses, and not less than 'C' in either, he will retain credit for these courses and for all courses in which he was previously successful, and he may re-enrol to complete the remaining courses required for the degree on the condition that he records no failures.

(5) **Refusal of Further Registration**

A failure in a course after return from a three-year suspension, or failure to obtain the specified level of performance in the first two courses attempted after such a suspension, will result in refusal of further registration in the College.

(6) **Refusal of Further Registration to Special Students**

A Special Student whose record is unsatisfactory may be refused further registration in the College.

## Attendance and Examinations

### Attendance

Students proceeding to the degree are required to attend the courses of instruction and the examinations in all subjects prescribed. A student whose attendance at lectures or laboratories or whose work is deemed by the College Council to be unsatisfactory, may have his or her registration cancelled at any time by the Council.

### Winter Session Examinations, 1974-75

Final examinations in first term courses are held in a special term test and examination period during which classes are cancelled from Tuesday 10 December to Thursday 19 December, 1974.

Final examinations in year-long courses and second term courses are held in the final examination period, from Monday 21 April to Friday 9 May, 1975.

### Summer Session Examinations, 1974

Summer Evening Session examinations are held as follows. Final examinations in first term courses are held in the regular class period between Monday 24 June and Thursday 27 June, 1974. Final examinations in year-long courses and second term courses are held in a special final examination week, Monday 12 August to Friday 16 August.

Summer Day Session examinations are held as follows. Final examinations in first term courses are held in the last class period; the last day of classes in first term courses is Tuesday, 23 July, 1974. Final examinations in year-long courses and in second term courses are also held in the last class period; the last day of classes in these courses is Friday 16 August, 1974.

### Supplemental Examinations

Except where students receiving aegrotat consideration are permitted to write special examinations, there is no provision for supplemental examinations. There is no provision for students to rewrite examinations in any courses in which they have standing.

## Enrolment in Courses on Other Campuses

- (1) At no time can the number of non-Scarborough College full-course-equivalents in which a student is registered plus those in which the student has standing exceed the number of Scarborough College full-course-equivalents in which the student is registered plus those in which the student has standing.
- (2) A student enrolled in more than three full-course-equivalents in a Winter Session is permitted to enrol in a maximum of two full-course-equivalents in the same Winter Session on the St. George Campus.
- (3) A student enrolled in more than three full-course-equivalents on 1 February in a Winter Session is permitted to enrol in a maximum of one full-course-equivalent on the St. George Campus in the Summer Session following.

- (4) A student enrolled in more than three full-course-equivalents in a Winter Session is not permitted to register in a St. George Campus course if there is an equivalent course available at Scarborough College in the same Winter Session. (Lists of equivalent courses will be available at the Office of the Associate Dean and Registrar and at the Divisional Offices.)

- (5) The foregoing rules (i.e. (1), (2), (3) and (4)) apply for the first fifteen full-course-equivalents only. Courses sixteen to twenty may all be taken on the St. George Campus if desired.

## Petitions for Exception from the Rules

In cases involving unusual circumstances students may be granted exceptions to any of the academic regulations of the College. Students may request exceptions by means of a petition to the Committee on Standing. A student who would like to submit a petition should consult the Associate Dean and Registrar, Room S414-C, telephone 284-3124, or the Assistant Registrar (Student Affairs), Room S416, telephone 284-3139.

## Academic Records

### Degrees

A student may receive only one undergraduate Arts and Science degree from the University of Toronto, a Bachelor of Arts or a Bachelor of Science.

A student may elect to receive his degree after having completed the requirements for the fifteen-course degree or after having completed the requirements for the twenty-course degree.

A student who has elected to receive his degree after meeting the requirements for the fifteen-course degree may choose to complete the requirements for the twenty-course degree; completion of the twenty-course degree requirements will be noted on the student's transcript, but a second degree will not be conferred.

A student who elects to receive his fifteen-course degree must so notify the Office of the Associate Dean and Registrar well in advance of the appropriate University Convocation. Forms for this purpose will be mailed to all eligible students well in advance.

A student who has completed the requirements for the twenty-course degree will automatically have his name placed upon the graduation list to receive his degree at the next University Convocation unless he has already received his degree after having completed the fifteen-course degree requirements. Nonetheless, to prevent any possible error, a student who elects to receive his twenty-course degree should so notify the Office of the Associate Dean and Registrar well in advance of the appropriate Convocation. Forms for this purpose will be mailed to all eligible students well in advance.

### Transcripts

The transcript of a student's academic record reports: the student's admission record; standing in all courses attempted; completion of the fifteen-course and

twenty-course degree requirements; date of conferral of the degree; and completion of any recognized programme of study listed in the "Programmes of Study" section of this *Calendar*.

Copies of a student's transcript of academic record will be issued at his request, subject to reasonable notice and a nominal copying fee. Requests should be submitted in person or by writing to the Office of the Associate Dean and Registrar, Scarborough College, 1265 Military Trail, West Hill, Ontario, M1C 1A4 (telephone 284-3300).

Copies of a student's transcript sent directly from the Office of the Associate Dean and Registrar to another Faculty of the University, to another university, or to an agency or employer will bear a replica signature of the Associate Dean and Registrar and will bear the official College Seal. Copies of the transcript sent to the student will not bear the replica signature or the seal. Hence, students wishing to submit an official copy of their transcript should request that the transcript be sent from the Office of the Associate Dean and Registrar directly to the recipient.

### Checking of Marks

It is the policy of the College that no examination papers or essays will be re-evaluated after results have been issued. Examination papers are re-read in each case where a mark of less than 50 percent has been assigned, and no appeal will be considered for further re-reading of such papers. Papers in which at least 50 per cent has been obtained will not be re-read.

All results are carefully reviewed before being released. However, the clerical work involved in the Office of the Associate Dean and Registrar will be checked if a petition is submitted through the Associate Dean and Registrar with a fee of five dollars per course. This fee will be refunded if an error is found.

## Selection of Courses and Programmes of Study

### Selection of Courses

All students are advised:

- (1) to include courses from at least two Divisions (Humanities, Science, Social Sciences) among their first ten courses;
- (2) to include some advanced work based on earlier studies within their course of study, by including at least two C-level courses within a fifteen-course degree programme and at least four C-level courses within a twenty-course degree programme;
- (3) to consider undertaking, where appropriate, at least the equivalent of one half-course in an Independent Study or Supervised Reading course in an area related to their other studies.

### Programmes of Study

A variety of academic programmes is available to students pursuing both fifteen-course and twenty-course degrees. Students who wish to affiliate themselves with any of the programmes, described below, should observe the following procedures:

- (1) Enrol with the supervisor of studies of the chosen programme not later than between their fifth and tenth courses.
- (2) Re-enrol at the beginning of every subsequent Winter Session.
- (3) In the session in which they expect to graduate, inform the supervisor of studies if they wish to have the fact of completion of the programme noted on the academic transcript.

(Students who wish to plan their studies in other areas, or in a manner different from the programmes described below, are reminded to consult the general advice given with the course descriptions for each discipline and to consult their academic advisers or other appropriate faculty members.)

### The Humanities Programme

**Supervisor of Studies:** J.R. Warden

The Humanities Programme is designed for the student who wishes what has been known as a "liberal education". The Programme will seek to develop the critical

intellectual skills of the student and to acquaint him with basic forms of approach and analysis in several areas of human endeavour. It will accomplish this by developing a coherent group of courses, within the framework established below, for each student registered in the Programme. Each student will belong to a Programme Committee which will supervise his studies. A booklet on the Humanities Programme is available in the Office of the Division of Humanities.

Taken as part of a fifteen course degree, the student's course of study must include the following:

- (1) HUMA01Y
- (2) At least two consecutive courses in a language foreign to the student
- (3) At least one course in each of the three Humanities areas which follow:
  - (a) Language and Literature: Classics, Drama, English, French, German, Humanities, Italian, Linguistics, Russian, Spanish;
  - (b) Historical Studies: Fine Art, Greek and Roman History, History, Humanities, Linguistics;
  - (c) Philosophical Studies: Classics, Humanities, Linguistics Philosophy
 Note: A course taken to satisfy one area requirement may not be used to satisfy another area requirement. A Humanities course may satisfy any of the three area requirements, depending on its content; students should consult with their Programme Committee.
- (4) At least one course from the Division of Science
- (5) At least one course from the Division of Social Sciences
- (6) HUMC10H
- (7) At least two courses based upon earlier courses

Taken as part of a twenty-course degree, the student's course of studies must include all of the courses required above and also HUMC95-99.

### RELATED STUDIES PROGRAMMES

These programmes, which focus on an area, theme or era, may be taken as part of a fifteen-course or a twenty-course degree programme.

#### Development Studies

Supervisor of Studies: *K.R.J. Sandbrook*

The systematic study of development is a fairly recent phenomenon, stimulated by the demise of formal colonialism since the end of World War II. The immense problems confronting newly-independent countries have spurred many sorts of scholarly investigation. Economists investigate patterns and means of economic development in order to discover how stagnant economies might attain self-sustaining growth. Sociologists and anthropologists study, among other things, processes of adaption and resistance to new ways of life. Political scientists seek to uncover

the effects of existing structures of domination and to suggest solutions to the crises of national disunity and political instability. Geographers examine the spatial dimensions of modernization. Historians tackle such questions as the meaning and heritage of Western imperialism in the underdeveloped areas. The study of development is not, however, restricted solely to third-world countries. Some scholars have investigated the generic problems of development within backward or stagnant areas of so-called "developed" countries of the West as well.

Since the economic, social, cultural and political dimensions of underdevelopment are inextricably intertwined, scholars with an interest in development have been forced to admit the irrelevance of traditional disciplinary boundaries. As a consequence, development studies have emerged as an area of convergence of the subject matter of various social sciences and history. Economists, for instance now generally concede that the possibilities for economic development cannot be fully assessed in the absence of knowledge about the structure of power. Political scientists, in seeking such knowledge, themselves acknowledge that many of the causes of political change lie in the economic sphere. Students enrolling in some of the courses listed below will thus frequently find themselves studying similar problems in different parts of the world or different facets of the same generic problems. Many of the courses are complementary and should provide the interested student with a broad perspective on some of the most pressing problems of our age.

Development Studies is best regarded as a subsidiary interest for students whose primary interest lies in one or more of the Social Sciences or History. Anyone wishing to undertake a programme in Development Studies should register in at least five of the following courses:

ANTB03S	The Americas: An Anthropological Perspective
ANTB08F	Anthropology of Development
ECOB09F	Economic Development
GGRB08Y	The Geography of Underdevelopment
GGRC09S	Canada North of Sixty
HISB22S	British Imperialism in Asia and Africa
POLB12Y	Politics and Society in Independent Africa
POLB17Y	The Chinese Political System
[POLC05Y	New Nations in World Politics ]
POLC10Y	Modernization and Revolution
SOCB14Y	Comparative Social Structure
SOCB16Y	Social Change
[SOCC17S	Social Change in Latin America ]
[SOSB02Y	The Indian Sub-Continent: Contemporary Problems]

#### Myth and Religion

Supervisor of Studies: *J.H. Corbett*

This programme combines an examination of man's perception and experience of his religious and mythic heritage and institutions from the anthropological, historical, philosophical, sociological and literary points of view.

Students should select at least seven full courses (or equivalent) as follows:

- (1) HUMA01Y Prologue
  - (2) ANTB23Y Comparative Mythology
  - (3) Two of the following half-courses:
    - ANTB02S Anthropological Study of Religion
    - PHLB61S Philosophy of Religion
    - SOCC20S Sociology of Religion
  - (4) Four further courses from the remaining half-course above and the following courses:
    - ANTC02Y Systems of Thought
    - CLAB02Y Greek and Roman Tragedy
    - CLAB21Y Greek and Roman Religion
    - [CLAB23S Christianity in the Greco-Roman World]
    - [FARB29S Early Christian and Byzantine Art]
    - HISB27Y Europe, 400 - 1100
    - HISC12F The Witchcraft Crisis, 1500 - 1700
    - [HISC22Y Religion and English Society, 1850 - 1900]
    - HISC42S Church-State Relations in Canada
    - HUMB07S The Ulysses Factor
    - [HUMB08F Orpheus]
    - HUMB20Y Primitive Christian Literature and Myth
    - ITAB31Y Dant  and Mediaeval Culture\*
    - PHLB44 F Philosophers of the Middle Ages
- Courses in Religious Studies offered on the St. George Campus, especially:
- REL 101 Introduction to Religion
  - REL 130 The Phenomenon of Religion
  - REL 150 Christianity: The First Thousand Years

### SPECIALIST OR MAJOR PROGRAMMES

These programmes may be taken as part of a twenty-course degree programme.

#### Commerce and Economics

Supervisor of Studies: *M. Walker*

The specialist programme in Commerce and Economics is rigorous and analytical, with a heavy emphasis on Economic Theory and on the application of Economics, Mathematics and Statistics to the making of decisions. The Programme will provide the student with a foundation for a managerial career in either the private or the

\*The prerequisite requirement for this course, a course in "Intermediate Italian", will be waived for students in the Myth and Religion programme, who will be permitted to read the works in translation.

public sector, or for further study in such fields as Accounting, Economics, Finance, Journalism, Law and Management.

A student will be granted specialist certification if he has qualified for a twenty-course degree and has obtained standing as follows:

- (1) At least five full-course-equivalents in Economics, including ECOA01Y, ECOA02S, ECOB01Y, ECOB02F, and either ECOB11S or ECOB18S;
- (2) At least five full-course-equivalents in Commerce including COMA01Y, COMB21F, COMB22S, COMB26Y, and COMC02Y;
- (3) At least four full-course-equivalents in other fields, including MATA22Y or MATA26Y or MATA55Y and MATA56F or MATA58F, and
- (4) a final mark of at least 70% in five or more B and/or C-level full-course-equivalents in Commerce and/or Economics.

It is recommended that students who wish to specialize in Commerce and Economics include ECOA01Y, MATA26Y, MATA56F and ECOA02S among their first five courses of study, and COMA01Y, ECOB01Y, ECOB02F and COMB26Y among their first ten courses.

#### Advice for Students interested in the Accounting Profession

In order to receive the designation "Chartered Accountant" from the Institute of Chartered Accountants of Ontario, a student must: complete a required period of practical experience through employment with a chartered accounting firm; complete a prescribed series of seven and one-half university courses; and pass an examination set by the Institute. Work in the appropriate courses, if completed before registration in the Institute, is granted full credit by the Institute. One need not obtain a B.Comm. degree or complete a specialist programme in Commerce and Economics in order to become a C.A.

Courses required by the Institute of Chartered Accountants are:

Subject	Number of Full-Course-Equivalents Required	Qualifying Courses Available at Scarborough College
Accounting	3½	(2) COMA01, COMB21, COMB22
Taxation	½	
Computers	½	(½) MATA56, MATA58
Quantitative Methods	½	(½) ECOA02, MATB52
Finance	½	(½) COMC02
Economics	½	(½) Any Economics course
Law	½	
Management	½	(½) COMB27
Auditing	½	
	7½	4½

For more detailed information, the student should consult with the Institute of Chartered Accountants of Ontario, 69 Bloor Street East, Toronto 5, telephone 962-1841.

## Economics

**Supervisor of Studies:** *J. Gemello*

The Specialist Programme in Economics requires heavy concentration in the discipline. Specialization may not be advisable for all students. Students who are interested in Economics and in other areas as well should refer to the general advice given with the Economics course descriptions.

The programme is designed for students considering employment in fields where a knowledge of economic theory and a modest ability to do research are important. The programme is not a guarantee of employment but it does provide the basic quantitative and theoretical skills which are essential for decision-making in business and government.

Students must complete at least *nine* full courses or equivalent in Economics, and must complete specifically the following courses:

ECOA01Y  
MATA56F (or MATA58F) and ECOA02S  
MATA22Y or MATA26Y or MATA55Y  
ECOB01Y  
ECOB02F and one of: ECOB11S or ECOB18S  
ECOB05F or ECOB06S or ECOC07F or ECOB20F or ECOB21S  
ECOB03Y or ECOB04Y or ECOB09Y or ECOB10F

Three C-level courses in Economics one of which is "Topics in Advanced Economic Theory" and one of which is a "Workshop in Economics".

Students must attain a final mark of 70% or higher in at least *five* of the B- or C-level courses required above.

Students are urged to take ECOA01Y, MATA56F (or MATA58F), ECOA02S, and either MATA22Y or MATA26Y or MATA55Y in their first year of full-time study (or equivalent). MATA22Y, MATA26Y or MATA55Y, courses in Calculus, are recommended as preliminary to ECOB01Y which is an important course in the second year of full-time study (or equivalent).

Students enrolled in the programme may petition the Supervisor of Studies for permission to substitute other courses for some of those listed above. For example, a student may wish to substitute a course in Mathematics for one in Economics.

## Economics and Commerce

Please refer to "Commerce and Economics"

## English

**Supervisor of Studies:** *W.J. Howard*

A student is required to complete at least *ten* and not more than fifteen courses in English in a twenty-course degree programme. However, a student who obtains 80% or better in ENGC15Y (ENG466) will be entitled to Specialist Certification provid-

ing he has taken a minimum of *eight* courses from at least seven of the basic course groups.

A student is required to achieve an overall average of "B" (or better) in the ten courses which comprise his basic programme in English, and to achieve "B" standing (or better) in group (9) of the basic programme.

The Basic Programme for all Specialists is defined as follows. (Course numbers for St. George Campus equivalent courses are indicated in parentheses. Where a Scarborough College course is not offered in the 1974-75 session, it is indicated in square brackets.)

- |     |         |                |  |
|-----|---------|----------------|--|
| (1) | One of: | [ENGB01Y (200) | Old English Language and Literature]   |
|     |         | ENGB02Y (312)  | Chaucer  |
|     |         | [ENGC01Y (300) | Advanced Studies in Beowulf and other Old English Poetry]                            |
|     |         | [ENGC03Y (404) | Studies in Middle English Language and Literature]                                   |
| (2) | One of: | (ENG302)       | English Prose and Poetry, 1500-1600 (Course offered only on the St. George Campus)   |
|     |         | (ENG304)       | English Prose and Poetry, 1600-1660 (Course offered only on the St. George Campus)   |
|     |         | ENGB09Y        | English Prose and Poetry, 1500-1660  |
|     |         | ENGC04Y (413)  | Studies in Renaissance Literature  |
| (3) | One of: | ENGB10Y (212)  | Shakespeare  |
|     |         | ENGB12Y (332)  | English Drama to 1642  |
| (4) | One of: | ENGB04Y (306)  | English Poetry and Drama, 1660-1800  |
|     |         | ENGC05Y (415)  | Studies in Restoration and Eighteenth Century Literature                             |
| (5) | One of: | ENGB05Y (308)  | Romantic Poetry  |
|     |         | ENGB06Y (346)  | Victorian Poetry   |
|     |         | (ENG368)       | Victorian Prose (Course offered only on the St. George Campus)                       |
|     |         | ENGC06Y (417)  | Studies in Nineteenth Century Literature   |
| (6) | One of: | ENGB16Y (324)  | Fiction, 1832-1900   |
|     |         | ENGB17Y (322)  | Fiction before 1832  |
| (7) | One of: | ENGA05Y (152)  | Canadian Literature in English: An Introduction                                      |
|     |         | ENGA06Y (150)  | American Literature: An Introduction   |
|     |         | ENGB24Y (218)  | Major American Authors   |
|     |         | ENGB26Y (354)  | Canadian Poetry in English   |
|     |         | ENGB27Y (356)  | Canadian Fiction in English  |
|     |         | [ENGC24Y (351) | Topics in American Literature]   |
| (8) | One of: | (ENG108)       | Forms of Twentieth Century Literature (course offered only on the St. George Campus) |
|     |         | ENGB31Y (338)  | Modern Drama   |
|     |         | ENGB32Y (348)  | Modern Poetry  |
|     |         | ENGB33Y (328)  | The Modern Novel   |
|     |         | ENGC08Y (419)  | Studies in Twentieth Century Literature  |



- (9) One of:    ENGC13Y    (467) Seminar in Literary Theory and Practice  
                  ENGC14Y    (469) Senior Essay  
                  ENGC15Y    (466) Comprehensive Examinations
- (10) The following courses cannot be limited to any one particular grouping as are the above courses. Some cross periods and genres (e.g. ENGA04) and others are determined by individual instructors and students (e.g. ENGB28 and ENGC12). The student is required to take at least *one* additional course, *either* from the courses listed above *or* from the following.

ENGA04Y	(165)	English Literature: Forms and Approaches
ENGB11Y	(130)	Varieties of Drama
ENGB14Y	(120)	Varieties of Fiction
ENGB15Y	(240)	English Poetry
[ENGB28Y		Contemporary Literatures in English: West Indies, India, Africa and Australia]
[ENGB36Y		Literature of Utopias]
[ENG11Y		Paradise Lost]
[ENG12Y		Joseph Conrad and the Modern Novel]
ENG26Y		Ezra Pound

The student may also take the following courses, offered only on the St. George Campus.

(ENG112)	Major British Writers
(ENG204)	Mediaeval Literature to 1500
(ENG260)	Varieties of Biography
(ENG334F)	Restoration and Eighteenth Century Drama
(ENG369)	Seminar in Writing
(ENG468)	History of the English Language
(ENG470-series courses)	Special Seminars

- (11) The student's basic programme may not include more than *two* A-level (or 100-series) courses in English.

## Fine Art

**Supervisor of Studies:** *G. Scavizzi*

Two specialist programmes are offered within Fine Art: one in Art History, the other combining Art History and Studio courses.

### Art History

Students must complete at least *ten* full-course-equivalents in Fine Art, to include:

- (1) FARA04Y
- (2) One full-course-equivalent chosen from the Classical and Medieval periods: FARB01S, FARB21S, FARB25F, FARB29S, FARB30F, FARB31S, FARB35F.
- (3) Two full-course-equivalents chosen from the Renaissance or Baroque periods: FARB03Y, FARB17Y, FARB26Y, FARB27Y.

- (4) Two full-course-equivalents chosen from Modern and Canadian Art: FARB13F, FARB14S, FARB20Y, FARB28Y, FARB36F.
- (5) Two full-course-equivalent C-level courses in Art History.
- (6) Two further full-course-equivalents: (1) a second course from the Classical and Medieval Periods, (2) a course chosen from *either* Art History *or* Studio (FARA70F and FARA71S) *or* one from another discipline with direct relevance to Fine Art (e.g. HUMB22F The Age of Pericles). Permission for this course in another discipline must be obtained from the Supervisor of Studies.

## Fine Art

At least *eleven* full-course-equivalents in Fine Art, to include:

- (1) – (4) Same as the Programme in Art History (above).
- (5) Two full-course-equivalent C-level courses in Fine Art. (Note: Students seeking Type 'A' certification in the Faculty of Education require at least nine Fine Art courses, with a balance between history and studio courses. Hence, students who would like to complete the requirements both of this programme and for Type 'A' teaching certification are advised to take FARC20Y as one of their C-level courses, or to add another B-level Studio course to their degree programme.)
- (6) FARA70F and FARA71S and two full-course-equivalent B-level Studio courses.

## French

**Supervisor of Studies:** *G.F.R. Trembley*

For students intending to specialize in French, the present requirements are those set up by the Combined Departments of French of the University.

A complete statement of those requirements is contained in the *Calendar* of the Faculty of Arts and Science (St. George Campus). For advice on interpretation of the requirements, students should consult with the Supervisor of Studies.

## Geography

**Supervisor of Studies:** *M.F. Bunce*

Students should complete *nine* full courses (or equivalent) in Geography, including the following:

- (1) GGRB02Y Geographic Methods II: Analytical and Quantitative Methods
- (2) GGRC01Y Supervised Research
- (3) GGRC12F Contemporary Issues in the Philosophy of Geography  
 or GGR 320 History and Philosophy of Geography (Course available only on the St. George Campus)

Students interested in majoring in the subject are advised to include the full range of introductory Geography courses and GGRB02 in their programmes.

Although students may complete specialization requirements by completing courses available on the Scarborough Campus students should also look at the *Calendar* of the Faculty of Arts and Science (St. George Campus) to evaluate the wide range of Geography courses offered on that Campus.

## German

**Supervisor of Studies:** *H. Wittmann*

Students must complete a minimum of *seven* B-level or C-level courses (200, 300 or 400-series courses on the St. George Campus) including the following:

GERC04H Stylistics

GER326F Middle High German (Course available only on the St. George Campus)

GERB17Y (The German Novel from Goethe to Grass) does not count towards fulfilment of these requirements.

Students in full-time attendance are advised to adhere to the following pattern of courses.

First Year:	First Term:	GERA11
	Second Term:	GERA11; GERB10
Second Year:	First Term:	GERB04; GERB01 or GERB05; GERB02 or GERB16
	Second Term:	GERB04; GERB15 or GERB03
Third Year:	First Term:	GERC04; GERB16 or GERB02; GERB12 or GERB11; GERC02
	Second Term:	GERC04; GERB03 or GERB15; GERB12 or GERB11
Fourth Year:	First Term:	GER326F; GERB11 or GERB12
	Second Term:	GERB11 or GERB12; GERC03

Students of German, some of whom may later wish to attend the Faculty of Education or to continue their studies at the graduate level, are strongly urged to confer with their instructors at the earliest possible date in order to establish a comprehensive and coherent plan of study.

## Greek and Philosophy

Please refer to "Philosophy and Greek".

## History

**Supervisor of Studies:** *J.P.B. Kenyon*

Students who commenced their programme prior to Summer 1974 should complete at least *nine* full-course-equivalents in History, including HISA01Y and five advanced courses (HISB10 – HISC99). They should avoid excessive specialization in one area of History. Courses in Greek and Roman History are listed in the "Classics" entry in this *Calendar*.

Students entering the Specialist Programme from 1974-75 must fulfil these *additional* requirements: to take at least one course that deals entirely with some period prior to the year 1815; to take courses in the history of at least three different areas as defined by the faculty; to take at least two advanced courses in two of these three areas.

## Philosophy

**Supervisor of Studies:** *D.L. Mosher*

Students should complete at least *twelve* B-level half-courses in this subject. Those intending to do graduate work in Philosophy are strongly urged to include within their programmes two courses in Logic, at least two courses in the History of Philosophy, and courses in Theory of Knowledge (PHLB20F) and Metaphysics (PHLB60F).

## Philosophy and Greek

**Supervisor of Studies:** *D.L. Mosher*

Students should complete *ten* full-courses (or equivalent) made up in the following manner:

Philosophy:

- (1) PHLA01Y Fundamental Questions of Philosophy  
or PHLA02Y Philosophic Classics
- (2) PHLB40F Plato and his Predecessors I
- (3) PHLB41S Plato and his Predecessors II
- (4) PHLB42F Aristotle and Later Greek Philosophy I
- (5) PHLB43S Aristotle and Later Greek Philosophy II
- (6) Four further half-courses

Greek:

- (1) GRKA01Y Introductory Greek
- (2) GRKB01F Plato *Apology*, Lysias *In Eratosthenem*
- (3) GRKB11S Homer *Odyssey*  
or GRKB12S Herodotus
- (4) Four half-courses in Supervised Reading (GRKB30-39)
- (5) One full course (or equivalent) from the following:
  - CLAB01Y Greek and Roman Epic
  - CLAB02Y Greek and Roman Tragedy
  - CLAB09F Greek and Roman Comedy
  - CLAB21Y Greek and Roman Religion
  - CLAB23S Christianity in the Greco-Roman World (Course not offered in 1974-75)

## Physics

**Supervisor of Studies:** *H.C. Corben*

Students should complete the following *fourteen and one-half* courses:

- (1) In the first year of full-time study (or equivalent):
  - PHYA01Y Elementary Mechanics
  - MATA40F Introduction to Linear Algebra
  - MATA45S Linear Algebra I
  - MATA55Y Calculus
- (2) In the second and third years of full-time study (or equivalent), the following courses in Physics:
  - PHYB01Y Electricity and Magnetism
  - PHYB04S Waves
  - PHYB05F Statistical Physics
  - PHYB08H Intermediate Physics Laboratory
  - PHYC01Y Quantum Physics
  - PHYC03Y Electromagnetic Fields and Waves (Course not offered in 1974-75)
  - PHYC05H Advanced Physics Laboratory
- (3) In the second and third years of full-time study (or equivalent), the following courses in Mathematics:
  - MATB46S Applied Mathematics and Mechanics
  - MATB50F Analysis
  - MATB51F Differential Equations I
  - MATB55S Analysis II
  - MATB56S Differential Equations II
  - MATC60F Complex Analysis I
- (4) In the fourth year of full-time study (or equivalent), the following courses:
  - (a) PHY353S Thermodynamics (Course available only on the St. George Campus; students intending to specialize in Meteorology should take PHY353S prior to their last five courses)
  - (b) PHYC10Y Relativity and Cosmology  
*Two* 400-series courses in Physics on the St. George Campus
  - or (c) *Three* 400-series courses in Physics on the St. George Campus

Complete programmes of study should be worked out individually by students in consultation with the Supervisor of Studies or other members of the faculty in Physics.

## Political Science

**Supervisor of Studies:** *A. Rubinoff*

Students should complete at least *eight* courses in Political Science including:

- (1) *one* A-level course
- (2) *two* courses in Political Theory
- (3) *one* course in Canadian Government

- (4) a course in any *three* of the following four fields — International Relations; Comparative Government (Developed); Comparative Government (Developing); Political Behaviour.

## Psychology

**Supervisor of Studies:** *N.P. Moray*

This programme is intended for those wishing to specialize in Psychology, especially those contemplating a career in the subject, either through the Ph.D. programme or in other professional branches such as Clinical Psychology, Educational Psychology, etc.

Students should complete at least *seven* full-course-equivalents in Psychology, including:

- (1) PSYA01 or PSYA02
- (2) PSYB07
- (3) *Two* of the following: PSYB09, PSYB40, PSYB51, PSYB62
- (4) *Two* of the following: PSYB10, PSYB20, PSYB30, PSYB32, PSYB50, 2 more B-level half-courses
- (5) *Four* C-level half-courses, of which not more than *one* is chosen from PSYC90, PSYC91, PSYC92, PSYC93, or PSYC98.

PSYC90, PSYC91, PSYC92, PSYC93, or PSYC98 are strongly recommended for those following the specialist programme, in addition to the above requirements.

## Russian

**Supervisor of Studies:** *C.V. Ponomareff*

Students who intend to specialize in Russian should complete the requirements set by the Department of Slavic Languages and Literatures of the University. A complete statement of these requirements is contained in the *Calendar* of the Faculty of Arts and Science (St. George Campus). For advice on the interpretation of the requirements, students should consult with the Supervisor of Studies.

Students should complete at least *ten* courses in Russian, including the following five required core courses which are available at Scarborough College:

- RUSA10Y Introductory Russian
- RUSA11Y Intermediate Russian
- RUSB10Y Advanced Russian
- RUSB11Y The Nineteenth Century Russian Novel
- RUSB21Y The Twentieth Century Russian Novel

Students are urged to consider other Russian courses available at Scarborough College during their first three years of full-time study (or equivalent).

Students then complete the final five courses required for the twenty-course degree and for specialist certification on the St. George Campus.

Students may specialize in Russian whether they have studied the subject at high school or not. Students who have not completed comparable work should complete

RUSA10Y (Introductory Russian); for students who have completed comparable work, this requirement is waived.

Students of Russian, some of whom may later wish to enrol in the Faculty of Education or to continue their studies at the graduate level, are invited to confer with their instructors at the earliest possible date in order to work out an appropriate and coherent programme.

## Sociology

**Supervisor of Studies:** *W.W. Isajiw*

Students should complete at least *seven* full courses (or equivalent) in Sociology, including the following:

- (1) *One* course in research methods (e.g. SOCB01Y, Methods in Social Research)
- (2) *One* course in Sociological Theory (e.g. SOCB03Y, History of Social Thought)
- (3) At least *two* C-level courses

Students are encouraged to select in their programme of studies courses from a variety of other disciplines, with special encouragement to include advanced (C-level) work from other disciplines in the Social Sciences, Psychology, Philosophy, History or Mathematics.

## Pre-Social Work Studies

Sociology students interested in a career in Social Work are advised to take a selection of courses with Sociology and Psychology as their core, with additional courses to be taken in related areas such as Anthropology, Economics, Geography, Philosophy, and Political Science. The special adviser for these students will assist them in selecting courses reflecting current requirements for entry into professional schools of Social Work. The special adviser is *Professor R. L. James*.

## Urban Studies

Students interested in urban studies with sociological emphasis should consult with the special adviser in urban studies. A variety of course combinations are available in three- or four-year programmes. Emphasis may be on urbanization and urbanism, urban problems, the urban community, community research, environmental aspects, etc. The student will be expected to include relevant courses bearing on urban phenomena from a number of other disciplines, especially Geography, Economics, Political Science, and Anthropology. The special adviser in urban studies is *Professor N. Howell*.

## Spanish

**Supervisor of Studies:** *M.J. Maillard*

Students should complete at least *nine* full courses (or equivalent) in Spanish, including the following:

- (1) The following language courses, which students in full-time attendance are advised to take in the sequence shown:

First year: SPAA01Y (students without Grade 13 Spanish) or  
SPAB02F (students with Grade 13 Spanish); SPAB04F; SPAB05S

Second year: SPAB02F (unless completed in first year); SPAB06S; SPAB07S

Third year: SPAB12S; SPAB20Y

- (2) *Five* full courses (or equivalent) from among the following:

SPAB03S Pre-Literary Examination of Texts

SPAB08F Cultural Aspects of Spain and Latin America

Survey of Literature courses: SPAB18Y, SPAB19Y, SPAB28S

Modern Literature courses: SPAB13F, SPAB17F, SPAB27F, SPAB29F,  
SPAB30S, SPAB33F, SPAB34S

Golden Age Literature courses: SPAB25F, SPAB26S

SPAB22F Medieval Literature

SPAB21F Stylistics and Translation

SPAC01-C10 Supervised Reading

*Information on the suggested sequence, scheduling, and distribution requirements of these courses may be obtained from the Supervisor of Studies or from other members of the faculty in Spanish.*

Students with Grade 13 Spanish may begin these courses in their first year of full-time study (or equivalent), students without Grade 13 Spanish in their second year of full-time study (or equivalent).

## Study Elsewhere Programme

The Study Elsewhere Programme allows students to complete one year of study at universities outside of Canada or at the French language universities in Canada as part of their programme for the University of Toronto degree. It ensures sufficient supervision by the University so that appropriate credit may be granted for the academic work done elsewhere. Registration at Scarborough College and at the University of Toronto is maintained and, if the Programme Elsewhere is full-time, there is possibility of access to student aid. The obligation for preparation of programmes of study elsewhere lies with the student concerned. The Programme Elsewhere must be of an academic standard equivalent to that of the University of Toronto, there must be supervision by a faculty member of the College, and the student must make arrangements for and produce evidence of registration at the host university where he will be doing his work.

The interested student should consult appropriate faculty members in the field of his interest about the advisability of a programme of study elsewhere and about the choice of a host university and a suggested programme of study. Many areas of studies have well-developed programmes of this sort and have established arrangements with other universities and defined procedures and structures. In other areas application and arrangements for programmes and supervision are dealt with on an *ad hoc* basis. In some areas of study a Programme Elsewhere may not be deemed advisable.

To be approved the Programme Elsewhere must confer academic benefits of a type that are not normally available at the University of Toronto and it must contribute towards the student's programme of studies here.

Participation in the Programme is open to any student of the College who has standing in at least eight courses and who had demonstrated his ability to achieve an average standing of at least 70%. A student may register for Study Elsewhere during one winter session only as part of a degree programme.

### Procedures for Application

During the Fall term of the year previous to the planned Programme Elsewhere the student should consult appropriate faculty and contact the proposed host university to ensure that registration is possible. Final application must be made by 15 February of the Spring term previous to the proposed Programme. Application is made through the Office of the Associate Dean and Registrar to the Sub-Committee on Study Elsewhere. The appropriate Division is responsible for recommending for or against the proposal to the Sub-Committee, and for appointing a faculty supervisor for the student. Notice of provisional acceptance is issued by 15 March, and final acceptance after academic results for the current session are available. In the meantime all necessary travel arrangements should be made and course outlines, reading lists, supervisory facilities and proposed studies at the host university should be arranged in the manner approved in the student's application. Before departure, the student must make arrangements with the Office of the Associate Dean and Registrar for the payment of appropriate University of Toronto fees and for formal registration in the University. *It is emphasized that it is the student's responsibility to make all necessary arrangements with the host university: application for admission, application for student lodging, etc.*

### Evaluation

The Sub-committee on Study Elsewhere, acting upon the advice of the Division and the approved supervisor, will decide in advance how many credits will be assigned for the successful completion of the Programme. In no case will a Programme Elsewhere be considered to be equivalent to more than one winter session's full-time study. However, arrangements may be made for a programme which is equivalent to less than full-time study. At the completion of the Programme the Sub-Committee, on the advice of the Division and the student's supervisor, will assign grades or standing for the credits obtained. Any transcripts, evaluations or statements of standing from the host university should be submitted and will be considered. Equivalent standing will be granted wherever this is deemed appropriate.

### Regulations for Residency and Withdrawal

Students are expected to spend at least the equivalent of a Toronto winter session studying at the host university and may be required to furnish proof of registration and residence at the host institution. If a student is forced to interrupt the Programme Elsewhere and return to Toronto he may submit a late registration up to 28 September and enroll in regular courses at the University of Toronto, paying the appropriate fees. After this date a petition must be submitted through the Office of the Associate Dean and Registrar. Up to 1 February a student may withdraw from the Programme Elsewhere without academic penalty; after this date a petition must be submitted.

## Course Descriptions

### Key to the Course Descriptions and the Timetable

#### The Course Code

- (1) **The Discipline Abbreviation.** The first three letters of the course code indicate, in an abbreviated form, the discipline or subject area of the course.

ANTA01Y "ANT" indicates a course in Anthropology  
CHMB05Y "CHM" indicates a course in Chemistry  
PHLC87S "PHL" indicates a course in Philosophy

- (2) **The Course Level.** The fourth letter of the course code indicates the level of the course.

A-level courses Introductory or elementary courses  
B-level courses Intermediate level courses  
C-level courses Advanced courses

Hence, ANTA01Y is an introductory course in Anthropology. CHMB05Y is an intermediate level course in Chemistry. PHLC87S is an advanced course in Philosophy.

- (3) **The Course Number.** The fifth and sixth letters of the course code are simply course numbers. In most disciplines, these numbers have no particular significance, except to identify the course in a shorthand form. In some disciplines, however, they are significant — for example in History. The introductory material at the beginning of the course descriptions in any discipline points out any special significance given to course numbering.

- (4) **Credit Value and Duration of a Course.** The final letter of the course code indicates the credit value and duration of a course

Y A course taught throughout the session (September to May, or throughout the summer session) and worth one full course credit.  
F A first term half-course worth one-half a course credit taught from September to December or in the first half of the summer session  
S A second term half-course worth one-half a course credit taught from January to May or in the second half of the summer session  
H A year-long course taught throughout the session but worth only one-half a course credit

Hence, ANTA01Y is an introductory course in Anthropology taught throughout the session and worth a full-course credit. PHLC87S is an advanced course in Philosophy taught only in the second term and worth one-half a course credit toward the degree requirements.

#### Exclusions, Prerequisites and Corequisites

- (1) **Exclusions.** Exclusions are indicated at the end of the descriptions of some courses. If a student already has standing in a course indicated as an exclusion, the student may not enrol in the course being described.

- (2) **Prerequisites:** Prerequisites are indicated at the end of the descriptions of some courses. The student must have standing in the prerequisite course before he may enrol in the course being described. Prerequisite requirements may, however, be waived by the instructor in the course being described if he feels that there are adequate grounds for so doing. To enrol in a course for which he does not meet the prerequisite requirements, a student must present to the Office of the Associate Dean and Registrar a statement in writing from the instructor waiving the prerequisite requirement for the student.
- (3) **Corequisites:** The student must either already have standing in a corequisite course, or he must enrol in the corequisite course at the same time as he takes the course being described. Instructors are permitted to waive corequisite requirements if they feel that there are adequate grounds for so doing. The procedure is the same as for waiving prerequisite requirements.
- (4) **Exclusions, Prerequisites and Corequisites in Parentheses.** Some exclusions and some prerequisite and corequisite courses are enclosed in parentheses. This indicates that the excluded, prerequired or corequired course is no longer in the College's curriculum. A student who has standing in an excluded course contained in parentheses may not take the course being described. A student who has completed, in a previous session, a prerequisite or corequisite course contained in parentheses may make use of the course to meet the requirements of the course being described.

### Course not offered in 1974-75

A number of courses are indicated in the course descriptions as not being offered in 1974-75. The course code and the title of these courses are contained in square brackets (in the course description section of the *Calendar* and elsewhere) and the first words of the course description are, "Course not offered in 1974-75". Students may expect that these courses will be offered in 1975-76 or in 1976-77 at the latest.

### Supervised Reading, Supervised Research and Independent Study Courses

- (1) **Supervised Reading Courses.** Students in reading courses usually work under the direction of a faculty member with whom they meet periodically to discuss their reading, their progress, etc. They may also meet occasionally with other students doing similar reading. Students should consult instructors in the various disciplines for details of requirements in each discipline offering supervised reading courses.
- (2) **Supervised Research Courses.** Students in supervised research courses usually work under the direction of a faculty member with whom they meet periodically or in whose laboratory they work. Students should consult instructors in the various disciplines for details of requirements and arrangements in each discipline offering supervised research courses.
- (3) **Independent Study Courses.** Students in independent study courses usually work under the direction of a faculty member with whom they meet periodically. A topic for independent study is normally chosen after consultation between student and staff members. Students should consult instructors in the various disciplines for details of requirements and arrangements in each discipline offering independent study courses.

### The Timetable for Daytime Courses in the Winter Session

Timetable indications are given to the right of the course title for some courses. All A-level courses have been timetabled, as have some of the larger B-level courses. Where no timetable indication is given, the course will be timetabled after pre-registration on the basis of pre-registration course selections with an aim to enabling the maximum possible number of students to take their selected courses without timetable conflicts.

- (1) **Number of Hours and Type of Instruction.** The timetable code indicates the number of hours of each type of instruction:

- L Lectures
- T Tutorials or Seminars (small group classes aimed at discussion of particular topics or problems)
- P Laboratories or other practical periods, such as art studio periods

For Example, PHYA02Y, "Principles of Physics", is timetabled as follows:

2L: T3F10/T411,1T,3P

This indicates that there are two lecture hours each week, one tutorial hour each week, and a three hour laboratory weekly.

- (2) **Days of the week.** Days of the week are abbreviated as follows.

- M Monday
- T Tuesday
- W Wednesday
- R Thursday
- F Friday

- (3) **Hours.** Hours of the day are indicated by a single number. For example F10 would indicate a Friday class at 10:00 a.m. The class would begin at ten minutes after the hour, at 10:10, and would proceed until the end of the hour, 11:00 a.m. Two- or three-hour classes are indicated by two numbers joined by a dash. For example, F10-12 would indicate a Friday class beginning at 10:10 a.m. and ending at 12:00 noon.

- (4) **Sections of Courses.** In some courses, lectures, tutorials or practical work are repeated. If there are three or fewer times at which a course is given, all three times are indicated and are separated by an oblique stroke (/). Hence, in PHYA02Y, lectures are given twice. Students would join one of two lecture sections. The lecture times are given as follows.

2L:T3F10/T4F11

This indicates that students have two hours of lectures in the course each week which they would take either on Tuesday at 3:00 p.m. and Friday at 10:00 p.m. or alternately on Tuesday at 4:00 p.m. and Friday at 11:00 a.m. If there are more than three times to choose from, the hours are not indicated in the timetable entry in the *Calendar*. For example, in PHYA02Y, the tutorial and laboratory hours are given as follows.

1T,3P

This indicates that there is a one hour tutorial weekly and a three hour laboratory weekly, but there are a considerable number of tutorial and laboratory classes to choose from; hence, students need not worry about time slots at this stage.

When making their course selection, students should ensure that at least one of the scheduled periods for lectures, tutorials and laboratories can be fit into their timetables without conflict. However, students are not permitted to state a preference among the various sections or class hours. In order to accommodate

students in lecture halls, seminar rooms and laboratories, it is necessary to assign students centrally to lecture, tutorial and laboratory sections. Students will be informed of their sections, and hence of their class hours, at Registration in September.

- (5) **The Final Timetable.** The final timetable will be published in time for registration in September. It will include:
- (a) timetables for all courses, including courses with no timetable entries in this *Calendar* and including any changes in the timetable entries in this *Calendar*; and
  - (b) room numbers, indicating the classrooms for all lectures, tutorials and practical classes.

## Anthropology

Anthropology is the study (or science) of man, dealing with the origin, development and nature of man and his culture. As such it is concerned with human phenomena in the widest possible terms, both biological and cultural. It differs from other social sciences in its comparative and historical approach, examining man today and in the past, as part of western civilization and in relatively small-scale non-literate societies. From this vantage point Anthropology attempts to arrive at an understanding of the common factors underlying human existence and to isolate the causes that have led and continue to lead to social and cultural change (and the differences between peoples and cultures).

Because of the vastness of its subject matter, Anthropology traditionally is divided into four sub-fields: Social-Cultural Anthropology, Prehistoric Archaeology, Physical Anthropology and Anthropological Linguistics. At the present time Scarborough College offers courses in the first three only, although the Humanities Division presents several courses in Linguistics. Students wishing to concentrate in Anthropology are advised to consult with a member of the staff, to take at least one course in each of the four subfields (as well as the ANTA01 Introduction) and to obtain as broad an academic background as possible before proceeding toward the specialization of graduate study.

Students interested in Anthropology should also refer to:

[NSCA03Y Quaternary Environments and Man]

✓ ANTA01YD

### Introduction to Anthropology

3L: M2T11R11, IT

An introduction to the fields of Anthropology through which the student will obtain the anthropological view of the nature and diversity of man. The first term takes up Physical and Prehistoric Anthropology concentrating on the biological basis and the evidence for the origin and growth of culture. The second term will deal with the comparative study of the family, economics, politics and religion in non-industrial societies. *Members of the faculty.*

✓ ANTB01FD

### Cultural Ecology

A discussion of the reticulate inter-relationships of human populations differing in culture, social organization and technology and their environment, in four broad sub-areas: systems of food production, patterns of disease, ecological aspects of warfare and anthropological demography. Cases will be drawn largely, from non-industrialized societies. *Members of the faculty.*

*Prerequisite:* ANTA01

✓ ANTB02SD

### Anthropological Study of Religion

A cross-cultural study of systems of belief and myths concerning spiritual beings and the cosmos; of social actions, rights, and obligations arising out of man's postulated dependence on such beings; and of magic, curing, witchcraft and sorcery. *C.E. Hopen.*

*Prerequisite:* ANTA01

✓ ANTB03SD

### The Americas: An Anthropological Perspective

The origin and development of native cultures in the New World, with particular emphasis upon changes due to European contact. Patterns of race in the Americas, with emphasis on Latin America. *R.W. Shirley.*

✓ ANTB04SD

### The Canadian Indian Today

Canadian Indian communities as they have developed during the last twenty-five years in isolated areas, on reserves, and in cities. The legal, political and economic position of the Indian population will be presented along with more detailed study of socio-cultural patterns in a range of communities. The comparison of Indian and certain other subcultures in Canada and consideration of the analagous positions of native peoples in certain other countries. *R.W. Shirley.*

*Prerequisite:* ANTA01

✓ ANTB05SD

### Social Anthropological Study of Africa

After a review of certain cardinal social and cultural background features of the continent, a more intensive study of comparative religion will be made. Hopefully, guest lecturers will help round out the perspective. *C.E. Hopen.*

*Prerequisite:* ANTA01

ANTB06FD

### Cultures of Oceania

Course offered in only the Summer Day Session, 1974. In Oceania many small societies with highly diverse cultures have developed in comparative isolation. The course will survey their kinship structures, economics, political systems, religions and art, drawing from an extensive literature much of which, because of its theoretical importance, is basic for the study of general Anthropology. *E.G. Schwimmer.*

✓ANTB07SD

#### **Comparative Slavery**

An examination of "slavery" as an institution in several areas of the world, including Brazil, Africa, the Caribbean, and the United States. An effort will be made to examine the modern consequences of slavery as well. *R.W. Shirley.*

*Prerequisite:* ANTA01

✓ANTB08FD

#### **Anthropology of Development**

An analysis of problems of development and underdevelopment in the world, including the problems connected with "secondary development" in industry and politics. *Members of the faculty.*

✓ANTB09SD

#### **History of Ethnological Theory**

A seminar discussion course on basic problems and methods in Anthropology. A short survey of past and present anthropological theory will be presented and current schools of thought debated. *Members of the faculty.*

✓ANTB11SD

#### **Man in the Pleistocene**

The evolution of man in the Pleistocene. A review of the evidence and chronological framework for man's cultural development during his first two million years. *M. Kleindienst.*

*Prerequisite:* ANTA01

✓ANTB12SD

#### **Man in the Holocene**

The evolution of culture in the post-Pleistocene period. A study of the enormous cultural changes that led to the Neolithic and Urban Revolutions and the beginnings of civilization. Archaeological evidence for these transformations will be reviewed in both the New and Old Worlds. Limited enrolment: 30. *H.B. Schroeder.*

ANTB14YV

#### **Human Evolution**

**Course offered in only the Winter Evening Session.**

An analysis of the phylogeny of man. The issues and controversies that form the theoretical framework to the understanding of the fossil evidence. Readings substitute for a single text. Class discussion and presentation of assigned readings are expected. Laboratory sessions permit the student to examine fossil cast materials. *L. Williams.*

*Prerequisites:* ANTA01; ANTB15 or (BIOB14)

✓ANTB15YD

#### **Introduction to Physical Anthropology**

A survey of man's place in nature: his origin (fall) and ongoing evolution (spring). Basic to the course is an understanding of the synthetic theory of evolution and the principles, processes, evidence and application of the theory. Three hours of laboratory per week acquaint the student with the methods and materials utilized by the Physical Anthropologist. *G. Ellis.*

*Prerequisite:* ANTA01 or ANTB14

✓ANTB16SD

#### **Ethnic Cultures of Canada**

A consideration of contemporary subcultures in Canada and how these have developed in the last forty years. Indigenous groups (Indian-Metis-Eskimo) and formerly-immigrant groups, both rural and urban, will be treated in the same general framework. The course will attempt to place local and regional ethnic groups and subcultures in a national political and economic context. *Members of the faculty.*

✓ANTB17SD

#### **Complex Societies**

The focus of study will be on childhood in contemporary cultures. This will begin with varying concepts of childhood, socialization patterns throughout the non-literate world, and anthropological models. Complex societies in Indonesia, Europe and North America will provide background material on ethnography, ritual, myth, and mass media. *T.F.S. McFeat.*

*Prerequisite:* ANTA01

✓ANTB18FD

#### **Cultural Evolution**

An examination of how cultural evolution has been viewed from the nineteenth century to the present and how such views relate to other approaches in Anthropology. Emphasis will be on contemporary approaches with particular concern given to the mechanisms of cultural evolution. Cases are drawn largely from ethno-historical and ethnological studies.

*T.F.S. McFeat; M. Kleindienst.*

*Prerequisite:* ANTA01

✓ANTB19FD

#### **Introduction to Political and Economic Anthropology**

A general survey of the problems of production, exchange and distribution in Anthropology, and the role of political systems in a largely "development" framework. *R.W. Shirley.*

*Exclusion:* (ANTA02)

*Prerequisite:* ANTA01

✓ANTB20YD

#### **Introduction to Social Organization**

"Kinship is to Anthropology what logic is to Philosophy or the nude is to art; it is the basic discipline of the subject." (Fox). The purpose of the course is to teach something about the species *Homo sapiens* by analyzing variations in social structure. *C.E. Hopen.*

*Exclusion:* (ANTA03)

*Prerequisite:* ANTA01

✓ANTB21FD

#### **Cultures of North America**

A survey of indigenous cultures as they developed in North America north of Mexico before, during and after European expansion. The material will be largely drawn from a select sample of Indian societies as described in the ethnographic present (3 to 300 years ago). *Members of the faculty.*

*Prerequisite:* ANTA01



✓ANTB22Y

**Primate Behaviour**

2L: M11-1, IP:T1

A general review of primate behaviour in its ecological setting.  
*F.D. Burton.*

*Prerequisite:* ANTA01 or PSYA01 or BIOA03

ANTB23Y

**Comparative Mythology**

2L: TR2

This interdisciplinary course deals with the nature of myth from the viewpoint(s) of *Anthropology, Philosophy, Linguistics, Psychology* and comparative literature. It also deals with myth as it is generated in modern society and in a political context. *Members of the faculty.*

[ANTB24Y

**Comparative Study of Group Cultures]**

Course not offered in 1974-75.

ANTB25Y

**Introduction to North American Prehistory**

Course offered in only the Summer Evening Session, 1974.

An overview of New World prehistory with an emphasis on cultural developments in North America. It will deal with the first men in the New World, the development of hunting bands, the "New World Neolithic", and finally the development of civilization.

*Prerequisite:* ANTA01

✓ANTB26Y

**Introduction to Prehistoric Archaeology**

A survey of the anthropological sub-discipline which is concerned with human socio-cultural development during the past three million years. Specifically, the course reviews the aims, methodology and results of prehistoric Archaeology in both the New and Old Worlds. *H.B. Schroeder.*

*Prerequisite:* ANTA01

✓ANTB27F

**Archaeological Field Methods**

An introduction to archaeological excavation and mapping techniques. Classwork will include four fall weekends spent in excavation of a prehistoric Indian site near Scarborough College. *M. Latta.*

*Exclusion:* (ANTB13)

*Prerequisite:* ANTA01

✓ANTB28S

**The Prehistoric Archaeology of Canada**

A survey of the varied concerns of Canadian archaeologists and the development of the science of Archaeology in Canada. An attempt to understand the significance of Canadian prehistory for modern Canadian social and cultural developments.  
*M. Latta.*

*Prerequisite:* ANTA01

✓ANTB29Y

**Analysis of Archaeological Materials: Lithics and Ceramics**

This course studies the cultural significance of two of the most important types of archaeological data. In the fall term: Stone

and stone-working, emphasizing different lithic techniques. In the spring term: ceramics will be evaluated for raw material, construction technology, and shape and decoration.

*M. Kleindienst and M. Latta.*

*Prerequisite:* ANTA01

ANTB31YB.  
ANTC02S

**Systems of Thought**

Course offered in only the Summer Day Session, 1974.

One universal characteristic of men is to seek an explanation of the universe they perceive — to reduce it to some form of order and system. It is a matter of personal faith whether this cognitive activity is viewed as occurring under divine inspiration. It is for the anthropologist to apprehend the system of thought prevailing in the cultures he studies and to relate them to social, political and economic phenomena. It is also fruitful to relate different systems of thought to each other so as to obtain a comparative perspective consistent with the facts of ecology and culture history. This course surveys the anthropological work done on these questions, especially since 1960. Some knowledge of Anthropology will be assumed. Students will be expected to familiarize themselves with a few systems of thought evolved by non-literate societies. *E.G. Schwimmer.*

*Prerequisites:* ANTB02; permission of instructor

✓ANTC03F

**Advanced Reading and Research in Anthropology**

*Prerequisite:* Permission of instructor

✓ANTC04S

**Advanced Reading and Research in Anthropology**

*Prerequisite:* Permission of instructor

[ANTC05S

**Canadian Cultures]**

Course not offered in 1974-75.

*Prerequisite:* Permission of instructor

✓ANTC06S

**Problems in Human Evolution**

2L: M2T11

An investigation of the view (Fischer 1914, Dobzhansky 1962, Leakey 1962) that human evolution has been a process of self-domestication. Major areas to be considered are processes of domestication including morphological changes, genetics, ecology, nutrition and behaviour. Data from non-human primates ranging from 'wild' to 'domesticated' will be drawn upon for comparative purposes, while studies of more popular animals will be examined to analyze the process. *F.D. Burton.*

*Prerequisite:* ANTB14 or ANTB15

✓ANTC07F

**The Social Anthropology of Pastoral Nomadic Societies**

*Pastoral Nomadic Societies, wherever they are found, tend to have many features in common — social structure, personality, ecology and the like. In a seminar such similarities (and differences) will be studied. Limited enrolment: 10.*  
*C.E. Hopen.*

*Prerequisite:* One B-level course in Anthropology

## Astronomy

Astronomy is one of the most challenging and dynamic areas of Science. It is basically man's attempt to gain an understanding of his place in the physical universe, ranging from the planetary system in which he lives to the most distant galaxies and quasars which can be seen only as they were before men walked the earth.

The advent of the "space age" has led to an increasing impact of astronomical discoveries both on other fields of Science, and on various aspects of public life. The full extent of astronomical topics is covered at an introductory level in ASTA02 (for Science students) and ASTA03 (for non-Science students). Selected topics in Astrophysics are dealt with at a more advanced level in ASTB01 and ASTC01, while ASTC10 presents, in detail, Einstein's general theory of relativity and some of its applications.

### ✓ASTA02Y

#### A Survey of Astronomy and Elementary Astrophysics

2L: T9R2, 1T

A survey course covering all aspects of modern Astronomy, and designed for students who are either taking a science programme or who have a background of Grade 13 Physics and Mathematics. The following topics will be covered: the solar system in detail, including the most recent space vehicle investigations; theories of the evolution of stars; radio and optical studies of the Milky Way; the discovery and significance of molecules in space; external galaxies; radio astronomy; radar astronomy; quasars and their significance; cosmology; pulsars; current satellite-born infrared, ultra-violet and x-ray observations, and some recent discoveries by these new observational methods. *P.G. Martin.*

*Prerequisites:* Grade 13 Functions and Relations; Grade 13 Physics

### ✓ASTA03Y

#### Astronomy: Its History and Significance

2L: TR11, 1T

A course designed primarily for students with a non-science background which contains a description of the extra-terrestrial universe and of the methods used (past and present) to explore it. In addition to a survey of basic Astronomy, this course will also emphasize the history of man's evolving view of the universe. At the beginning of the course the early ideas on the cosmos will be discussed, from the Greek ideas up to the time of the Renaissance. The interrelation between ideas and discoveries about the universe and important historical epochs such as the Reformation, the Industrial Revolution, and twentieth century technology will be discussed. In the latter part of the course some possible effects of the space effort on contemporary society at the national and international level will be analyzed. These aspects of Astronomy, both its history and its present impact, will be combined with a description of all aspects of Astronomy including the latest discoveries of radio and satellite based Astronomy. A

minimum of mathematics will be used, and tutorial assignments as well as an essay will be required for term work.

*P. P. Kronberg.*

### ✓ASTB01Y

#### Topics in Astrophysics: Origin and Evolution

Theories and observational evidence related to the origin and subsequent evolution of astronomical objects and to the conditions for the development of intelligent life in the universe. The course will consist of five topics — the origin and evolution of the universe as a whole, of the galaxies, of the stars, and of the solar system, and a study of the conditions for and possibilities of other life in our galaxy and the significance of the interstellar medium. *R.C. Roeder.*

*Prerequisites:* PHYA01 or PHYA02; MATA26 or MATA55

### ✓ASTC01H

#### Readings in Astrophysics

*Prerequisites:* ASTB01; permission of instructor

### ✓ASTC10Y

#### Relativity and Cosmology

**Same course as PHYC40Y.** A brief review of the special theory of relativity and of the mathematical background of general relativity theory. General relativistic field equations in free space and in the presence of matter, gravitational radiation, cosmological theories and observations. *R.C. Roeder.*

*Exclusion:* PHYC10

*Prerequisites:* MATB46; PHYB01

## Biological Sciences

The study of plants and animals (including man) has developed rapidly as an experimental Science since the latter part of the nineteenth century and particularly in the last decade. Modern Biology includes the study of both structure and function of all living organisms, involving the application of Chemistry, Physics and Mathematics. In addition to their fundamental significance, studies of plant form and function have many practical applications, such as the development of improved crops, drugs, and extracts. The inter-relationships of plants, animals, and non-living influences — the discipline of ecology — is central to many of the problems confronting mankind.

A simple guide to the recommended course patterns in Biology and related subjects is available at both the Office of the Associate Dean and Registrar and Office of the Chairman, Life Sciences (284-3291).

The following courses are normally taken in the first year of study:

- |          |  |
|----------|--|
| ✓BIOA03Y | Introductory Biology                                     |
| ✓NSCA02Y | Introduction to Natural Science: The Biological Sciences |
| ✓NSCA03Y | Quaternary Environments and Man                          |

In the second year of full-time study (or equivalent) students normally select from among the following courses:

✓BIOB02Y	Basic Microbiology
✓BIOB05Y	Genetics
✓BIOB06Y	Plant Physiology
✓BIOB08Y	Invertebrate Zoology
✓BIOB12Y	Fundamentals of Ecology
✓BIOB13Y	Plant Structure and Development
✓BIOB17Y	General and Comparative Physiology
✓BIOB22Y	Comparative Vertebrate Morphogenesis
✓BIOB23Y	Developmental Biology
✓BIOB24Y	Plant Kingdom
✓BIOB27Y	Comparative Vertebrate Histology

In the third year of full-time study (or equivalent) students normally select from among the following courses:

✓BIOB03S	Ecology and Physiology of Algae
✓BIOB11Y	Animal Populations and Evolution
✓BIOB15Y	Aquatic Systems
✓BIOB18F	Metabolic Control Mechanisms
✓BIOB19S	Biology of Macromolecules
✓BIOB20F	Cell Ultrastructure
✓BIOB21Y	Marine Biology
✓BIOB25S	Structure of Bacteria
✓BIOB26F	Field Course in Aquatic Biology
✓BIOB30F	Phytoplankton — Methods and Techniques
✓BIOB31F	Insect Structure and Function
✓BIOB32Y	Quaternary Plant Ecology
✓BIOB33F	Physiological Plant Ecology
✓BIOB34S	Comparative Terrestrial Ecosystems
✓BIOB35Y	Introductory Biochemistry
✓BIOB36H	Laboratory in Biochemistry

In the fourth year of full-time study (or equivalent) students normally select from among the C-level courses in Biology.

Students interested in Biology should also refer to:

NSCA02Y	Introduction to Natural Science: The Biological Sciences
[NSCA03Y	Quaternary Environments and Man]

✓BIOA03Y	<b>Introductory Biology</b>	<b>2L: M11W12/T4R1, 3P</b>
	This course is designed for students who intend to pursue further courses in Biology or other Natural Sciences. It offers a thorough consideration of basic biological concepts as they pertain to both plants and animals. Lectures will emphasize the energetics of living systems, the transmission and functions of genes, integrative functions, and the origin and evolution of life. Laboratory and discussion periods will supplement the lecture material. <i>M.F. Filosa</i> .	
	<i>Exclusions:</i> (BIOA01); (BIOA02)	

#### ✓BIOB02Y

#### Basic Microbiology

**2L: TR9, 3P: T2-5/W9-12**

The general properties of bacteria, their structure, function and relationship to man, employing selected organisms to demonstrate their significance in industry and the health sciences. The latter part of the course presents a survey of bacterial and animal viruses, rickettsias and fungi.

*V. V. Kingsley.*

*Prerequisite:* (BIOA01) or (BIOA02) or BIOA03

#### ✓BIOB03S

#### Ecology and Physiology of Algae

A lecture and laboratory course on the physiology of algae. Emphasis will be placed on factors which affect the occurrence, distribution and seasonal fluctuations of algae in freshwater and marine habitats. *C. Sparling.*

*Prerequisites:* BIOA03

*Corequisites:* BIOB15 is recommended but not required

#### ✓BIOB05Y

#### Genetics

**2L: W9R4, 3P: M2-5/W2-5**

A lecture and laboratory course in cytogenetics and the genetics of bacteria, fungi and *Drosophila*. *M.F. Filosa.*

*Prerequisite:* (BIOA01) or (BIOA02) or BIOA03

#### ✓BIOB06Y

#### Plant Physiology

A basic lecture and laboratory course on the general physiology of plants. *G.F. Israelstam.*

*Prerequisite:* (BIOA01) or BIOA03

#### ✓BIOB08Y

#### Invertebrate Zoology

**2L: M1W10, 3P**

A lecture-laboratory course dealing with the anatomy, taxonomy and evolution of invertebrate animals, from protozoa to protochordata, with special reference to the parasites of humans. *F.A. Urquhart.*

#### ✓BIOB11Y

#### Animal Populations and Evolution

A study of the process of heritable changes in animal populations with special regard to population genetics, population dynamics and species diversity. *I.M. Campbell.*

*Corequisite:* BIOB05

#### ✓BIOB12Y

#### Fundamentals of Ecology

A lecture and laboratory course, with some field work, on the relationship between organisms and their environment, with emphasis on terrestrial ecosystems. *M. Mantuani.*

*Prerequisite:* BIOA03

#### [BIOB13Y

#### Plant Structure and Development]

Course not offered in 1974-75.

#### ✓BIOB15Y

#### Aquatic Systems

A lecture and seminar course *with optional field work*, on the ecology of ponds, lakes and rivers, with special reference to

energy transfer in these ecosystems. *M. Mantuani; C. Sparling.*  
*Prerequisite:* (BIOA01) or (BIOA02) or BIOA03  
*Corequisites:* BIOB12; BIOB03 is recommended but not required

#### ✓ BIOB17Y

**General and Comparative Physiology** 2L: MW1, 3P: T9-12/T2-5  
 The function of cells and of the organ systems which have evolved to control the environment of the individual cell within the organism. Topics include: (1) Body fluids and circulation. (2) Ionic and osmotic balance. (3) Excretion. (4) Gas exchange. (5) Nerve and muscle physiology. *C.K. Govind.*  
*Exclusion:* (BIOB09)  
*Prerequisite:* (BIOA01) or (BIOA02) or BIOA03  
*Corequisites:* CHMB05; BIOB18F is recommended but not required

#### ✓ BIOB18F

**Metabolic Control Mechanisms**  
 A lecture and laboratory course dealing with control mechanisms of cellular metabolism at the enzyme and substrate level. To be offered every second year, starting 1974-75. *G. F. Israelstam.*  
*Prerequisite:* (BIOA01) or BIOA03  
*Corequisites:* BIOB35; BIOB19 is recommended but not required

#### ✓ BIOB19S

**Biology of Macromolecules**  
 The basic concepts of the molecular biology of the gene — key experimental observations. Main topics will be mechanisms of gene replication and regulation of gene activity in higher and lower organisms. Students will receive laboratory experience in the use of a range of molecular biology techniques. Limited enrolment: 36. *I.R. Brown.*  
*Exclusion:* (BIOB01)  
*Prerequisite:* (BIOA01) or (BIOA02) or BIOA03  
*Corequisite:* BIOB05 is recommended but not required

#### ✓ BIOB20F

**Cell Ultrastructure**  
 Current concepts in animal and plant cell ultrastructure, with particular reference to the interpretation of cell components as they appear in electron micrographs. *R.E. Dengler; J.H. Youson.*  
*Exclusion:* (BIOB04)  
*Prerequisite:* (BIOB16) or BIOB13 or BIOB27

#### ✓ BIOB21Y

**Marine Biology**  
 A lecture-laboratory course dealing with Marine Biology presented at the Huntsman Marine Laboratory, St. Andrews, New Brunswick for three weeks probably commencing July 8, 1974. Topics covered: Oceanography, Plankton Biology; sea-birds; Fisheries; Benthos Ecosystems; Organic Carbon Cycling; Ecology of Rocky Shores; Seaweeds; Physiology of marine animals. *F.A. Urquhart.*  
*Prerequisites:* BIOA03; BIOB08

#### ✓ BIOB22Y

#### Comparative Vertebrate Morphogenesis

2L: TW10, 3P: R-12/R2-5

The structure of vertebrate body systems with reference to their embryological development and evolution. This course compares the development of organ systems of representative vertebrates from the fertilized egg up to and including the adult individual. *J.H. Youson; C.K. Govind.*  
*Exclusions:* (BIOB07); (BIOB16)

#### ✓ BIOB23Y

**Developmental Biology** 2L: M10-12, 3P: W10-1/W2-5  
 The study of the morphological change and underlying molecular and cellular processes which occur during the life history of an organism. An analysis of development in a wide variety of organisms ranging from the unicellular to the multicellular. Particular reference will be given to the concept that regulation of gene activity is fundamental to development. *I.R. Brown; R.E. Dengler; M.F. Filosa.*  
*Exclusion:* (BIOB07)  
*Prerequisite:* (BIOA01) or (BIOA02) or BIOA03

#### ✓ BIOB24Y

#### Plant Kingdom

A lecture and laboratory course on structure, reproduction and evolution in the major groups of living and extinct plants, from the fungi and algae to the flowering plants. *R.E. Dengler.*

#### ✓ BIOB25S

NOT OFFERED

#### Structure of Bacteria

The morphology and ultrastructure of bacteria. Practical experience is given in various techniques used in the elucidation of bacterial structure. *V.V. Kingsley.*  
*Prerequisites:* BIOB02  
*Corequisites:* CHMB05; BIOB20 is recommended but not required

#### ✓ BIOB26F

#### Field Course in Aquatic Biology

The course will be given in late August or early September, before the beginning of term. Physical, chemical and biological aspects of various aquatic habitats will be studied intensively in a two week period of laboratory and field work, supplemented by lectures and discussion groups. Limited enrolment: 20. *M. Mantuani; C. Sparling.*  
*Prerequisites:* BIOA03; BIOB15; permission of instructors; BIOB12 is recommended but not required  
*Corequisite:* BIOB03 is recommended but not required

#### ✓ BIOB27Y

#### Comparative Vertebrate Histology

The structure of the cells, tissues, and organs making up the major body systems of a variety of vertebrates as revealed through the light and electron microscope. Differences and similarities of body systems will be discussed in relation to

development, evolution and function. Each student will be required to do an individual microtechnique project.

*J.H. Youson.*

*Exclusions:* (BIOB16); (BIOB04)

*Corequisites:* BIOB22 and BIOB20 are highly recommended but not required

✓BIOB28F

### **Embryology**

The course consists of the first term of BIOB22Y.  
*C.K. Govind.*

*Exclusions:* (BIOB07); BIOB29.

*Prerequisite:* BIOB16

✓BIOB29S ✓

### **Comparative Anatomy**

The course consists of the second term of BIOB22Y. The structure of adult vertebrate body systems with reference to their development and evolution. *J.H. Youson.*

*Exclusions:* BIOB16; BIOB28

*Prerequisite:* BIOB07

✓BIOB30F ✓

### **Phytoplankton — Methods and Techniques**

A seminar course, with laboratory and field work, on phytoplankton taxonomy and on practical aspects of sampling, identification and enumeration of phytoplankton. *C. Sparling.*

*Prerequisite:* BIOB15

*Corequisite:* BIOB03

✓BIOB31F ✓

### **Insect Structure and Function**

The diversity of structure and function among insects will be considered from the standpoint of the adaptive responses of the individual and the population to the environment. Topics include: locomotion (including flight), sexual behaviour, respiration, diapause and host plant relationships.

*I.M. Campbell; C.K. Govind.*

*Prerequisites:* BIOA03; BIOB08

*20 enrolment.*

✓BIOB32Y ✓

### **Quaternary Plant Ecology**

An examination of the methodology, results and implications of pollen, megafossil and other analyses of Quaternary sediments from the major regions of the world. Lectures, seminars and a laboratory with field work. Given in alternate years, starting 1974-75. *J.C. Ritchie.*

*Prerequisites:* NSCA03; BIOB12

✓BIOB33F

### **Physiological Plant Ecology**

A lecture and laboratory course on the physiological ecology of higher plants. The environmental factors which control plant growth and distribution, and the plant's mechanisms of response and adaptation to these factors, will be considered.

*Prerequisites:* BIOB06; BIOB12

✓BIOB34S

### **Comparative Terrestrial Ecosystems**

A course of lectures and discussions on the interrelationships between environment and vegetation which underlie the differences and similarities of structure and function among terrestrial ecosystems, from tropical rainforest to arctic tundra.

*Prerequisite:* BIOB12

✓BIOB35Y

### **Introductory Biochemistry**

Same course as CHMB35Y. A lecture course in General Biochemistry, consisting of an introduction to Macromolecular Biochemistry, and Metabolic Biochemistry.

*Exclusions:* (BIOC06); CHMB35; (CHMC06)

*Prerequisites:* (BIOA01) or (BIOA02) or BIOA03; CHMB05

✓BIOB36H

### **Laboratory in Biochemistry**

Same course as CHMB36H. A laboratory course in general Biochemistry.

*Exclusion:* CHMB36

*Prerequisites:* (BIOA01) or (BIOA02) or BIOA03; CHMB05

*Corequisite:* BIOB35

✓BIOC01Y

### **Supervised Study in Biology**

An independent study course designed to permit intensive examination of the literature of a selected topic and/or laboratory or field project in Biology. Supervision of the work is arranged by mutual agreement between student and instructor. *Members of the faculty.*

*Exclusions:* BIOC01F; BIOC01S

*Prerequisites:* Satisfactory completion of 15 full-course equivalents, of which at least four must be Biological Science B-level courses

✓BIOC03Y

### **Advanced Cell Metabolism**

A seminar and laboratory course on current research in cell metabolism. *G.F. Israelstam.*

*Prerequisites:* Satisfactory completion of 15 full-course equivalents, including BIOB18

✓BIOC04Y

### **Marine Invertebrate Ecology\***

An advanced field-laboratory-seminar course dealing with the marine invertebrates in relation to their environment. Field studies at Carriacou (south Atlantic); experimental studies conducted in the college marine ecology laboratory. Limited enrolment: 5. *F.A. Urquhart.*

*Prerequisites:* BIOA03 or Grade 13 Biology; BIOB08; permission of instructor

\*Applications for registration in this course must be received on or before July 1 of the year it will be taken, to arrange for field studies. Students wishing to study tropical marine forms should have a knowledge of skin diving using basic equipment, for which a course is offered at Scarborough College.

**Advances in Developmental Biology**

A seminar series on current topics in Developmental Biology.  
*I.R. Brown; R.E. Dengler; M.F. Filosa; J.H. Youson.*

*Prerequisite:* At least one of B10B07, B10B13, B10B16, B10B22, B10B23, B10B27

## Chemistry

A sound knowledge of the fundamental concepts of Chemistry is useful to any student in the Physical or Life Sciences. The basic course in Chemistry is CHMA01 or CHMA02, either of which must be taken by those who wish to take further Chemistry courses and should be taken by those who require Chemistry for another Science.

Completion of CHMA01 or CHMA02 permits students to take any of the B-level courses in Chemistry. These are divided according to the following sub-disciplines: Inorganic Chemistry (CHMB01), Analytical Chemistry (CHMB02), Organic Chemistry (CHMB05) and Physical Chemistry (CHMB03, CHMB04). Thereafter, one can proceed to the following advanced-level courses: CHMC01 (Inorganic), CHMC02 (Physical), CHMC03 (Organic) and CHMC06 (Biochemistry).

For those who wish to enrol subsequently in St. George 400-series courses, completion of the following groups of courses together with their corequisites and prerequisites, will ensure admission to the St. George courses indicated.

**Scarborough Courses****St. George Series**

CHMA01 or A02; CHMB01; CHMC01

430

CHMA01 or A02; CHMB03; CHMB04; CHMC02

420

CHMA01 or A02; CHMB05; CHMC03

440 (except 447)

While courses in Physics do not appear among the prerequisites or corequisites of most courses in Chemistry, students are urged to take PHYA01 or PHYA02 early in their programmes. Thus, the suggested first-year programme in Chemistry includes CHMA01 or CHMA02, MATA55 or MATA26 and PHYA01 or PHYA02.

The following courses are also of interest to students in Chemistry and are particularly recommended to students whose interests tend to Physical or Theoretical Chemistry: MATA58, MATA40, MATA45, MATB46, MATB51, MATB53, MATB56, PHYB01, PHYB04, PHYB05, PHYC01.

## ✓CHMA01Y

**Principles of Chemistry****2L: M12F9, IT:T1/W1, 3P**

Treats essentially the same subject matter as CHMA02 but with greater emphasis upon physical concepts. For those students who plan to specialize in Chemistry or in another Science discipline.

*Exclusion:* CHMA02

*Prerequisites:* Grade 13 Chemistry; Grade 13 Functions and Relations

*Corequisites:* MATA26 or MATA55; PHYA01 or PHYA02 are recommended but not required

## ✓CHMA02Y

**General Chemistry****2L: M12F9/M4F10, 1T, 3P**

Nuclear Chemistry, atomic and molecular structure, ionic solids; bonding in organic compounds; states of matter and equations of state; thermo-chemistry; chemical equilibrium in the gas phase and in solutions; reaction kinetics. For students who plan to take two or three years of Chemistry in a non-specialist Science programme or as part of a pre-professional programme.

*Exclusion:* CHMA01

*Prerequisites:* Grade 13 Chemistry (or Grade 12 Chemistry and permission of instructor); Grade 13 Functions and Relations

*Corequisites:* MATA22 or MATA26 or MATA55

## ✓CHMB01Y

**Inorganic Chemistry I****2L: T2-4F10**

Atomic and molecular structure, including energy levels, bonding, electronegativity, lattice energies, heats of formation and hydration. Oxidation state diagrams. Chemistry of hydrides, halogens and selected topics in Main Group elements. *R.O. Harris.*

*Prerequisite:* CHMA01 or CHMA02

## ✓CHMB02Y

**Analytical Chemistry**

Equilibrium and analysis: volumetric analysis; acid-base, precipitation and complexation titrations. Electrochemistry: oxidation-reduction equilibria and redox titrations, potentiometric (pH) titrations. Chromatography, ion exchange. Gravimetric analysis. Absorption spectroscopy. Instrumental techniques. Qualitative analysis.

*Prerequisite:* CHMA01 or CHMA02

## ✓CHMB03Y

**Physical Chemistry I**

A survey of spectroscopy and its application to the analysis of the structure of atoms and small molecules, the laws of thermodynamics, their experimental origin and molecular basis; reaction kinetics and its application to the analysis of reaction mechanisms. Applications of these concepts in various branches of Chemistry and Biology. *R.B. Caton.*

*Prerequisites:* CHMA01 or CHMA02; MATA26 or MATA55

## CHMB04S

**NOT  
DEFERRED  
OFFERED**

**Quantum Chemistry**

Introduction to quantum mechanics and its application to the formulation of theories of atomic and molecular structure and spectroscopy. *R.B. Caton.*

*Prerequisites:* CHMA01 or CHMA02; MATA26 or MATA55

*Corequisites:* CHMB03; MATB41 or MATB55

## ✓CHMB05Y

**Organic Chemistry I****2L: T1F2, 3P**

The chemistry of the principal functional groups encountered in aliphatic and aromatic compounds, interpreted in terms of reactivity, stereochemistry and reaction mechanisms. An

introduction to organic spectroscopy will also be given.

~~Corequisite:~~ CHMA01 or CHMA02

*Prerequisites*

✓CHMB35Y

### Introductory Biochemistry

Same course as BIOB35Y. A lecture course in General Biochemistry, consisting of an introduction to Macromolecular Biochemistry, and Metabolic Biochemistry.

*Exclusions:* BIOB35; (BIOC06); (CHMC06)

*Prerequisites:* (BIOA01) or (BIOA02) or BIOA03; CHMB05

✓CHMB36Y

### Laboratory in Biochemistry

Same course as BIOB36H. A laboratory course in general Biochemistry.

*Exclusion:* BIOB36

*Prerequisites:* (BIOA01) or (BIOA02) or BIOA03; CHMB05

*Corequisite:* CHMB35

✓CHMC01Y

### Inorganic Chemistry II

A study of transition metal Chemistry including oxidation state diagrams; atomic structure and energy levels; crystal field theory; molecular orbital theory; a thermochemical and structural survey of divalent ions, trivalent and higher oxidation states, and low oxidation states, (i.e. carbonyls, nitrosyls, etc.) A. Walker.

*Prerequisite:* CHMB01

*Corequisite:* CHMB03

✓CHMC02Y

### Physical Chemistry II

Basic principles in classical and quantum statistical mechanics. Statistical thermodynamics and its application to chemical problems. Theory of chemical kinetics. Theory of solutions. Surface and colloid Chemistry. Photochemistry. Polymer Chemistry.

*Prerequisite:* CHMB03

*Corequisites:* MATB41 or MATB50; MATB55

✓CHMC03Y

### Organic Chemistry II

Introduction to the structure, synthesis, and reactivity of organic compounds of biological importance. Application of organic reactions, stereochemistry, mechanisms, and synthesis. The laboratory will emphasize the use of modern physical techniques, newer synthetic methods, and the chemistry of natural products. This course will serve as prerequisite for CHM447 (St. George) only with the consent of the instructor.

*Exclusion:* CHM347 (St. George)

*Prerequisite:* CHMB05

## Classical Studies

A study of the Greek and Roman world is crucial to an understanding of western civilization. It is also an excellent area for the student who wishes to follow a programme involving different, but related, disciplines. Courses in Classics and Greek and Roman History explore the cultural significance of the ancient world, its literature, its religion, its social and political history. In these courses all the source material is handled in translation. But language is an important ingredient in this cultural complex. And for those who wish to see this world at closer quarters, the courses in Greek and Latin provide an opportunity to learn the languages and to study the literary and historical texts in the original.

The following arrangements of courses are recommended as forming coherent programmes in Classical Studies.

### Greek Studies

**Core Programme:** three full courses in the Greek language (or their equivalent in half courses); GRHB01

**Other courses chosen from:** GRHB02, GRHB24, GRHB25, GRHB26, CLAB01, CLAB02, CLAB09, CLAB21, CLAB23, FARB21, FARB30, FARB31, HUMB07, HUMB08, HUMB21, HUMB22, HUMB25, HUMB41, HUMC13, LINB04, PHLB40, PHLB41, PHLB42, PHLB43.

### Roman Studies

**Core programme:** three full courses in the Latin language (or their equivalent in half courses); GRHB03

**Other courses chosen from:** GRHB02, GRHB24, GRHB27, GRHB28, CLAB01, CLAB02, CLAB09, CLAB21, CLAB23, HUMB21, HUMB23, HUMB24, LINB04.

### Greek and Roman Studies

**Core programme:** three full courses (or equivalent) in each of Latin and Greek; GRHB01, GRHB03.

Other courses chosen from the lists above.

Students interested in Classical Studies should also refer to:

FARB30F	Crete and the Mycenaean World
FARB31S	Classical Greek Sculpture
HUMB07S	The Ulysses Factor
HUMB22F	The Age of Pericles
HUMB24S	The Age of Nero
HUMC13Y	Seminar in Literary Theory and Practice
PHLB40F	Plato and his Predecessors I
PHLB41S	Plato and his Predecessors II

CLAB01Y

**Greek and Roman Epic**

Course offered in only the Evening Session, 1974-75.

The epic genre in the classical world: its genesis in myth and history; its cultural and artistic determinants; its place in the history of ideas and in the growth of the Western literary tradition. Close reading of Homer's *Iliad* and *Odyssey*, Virgil's *Aeneid*, Lucan's *Pharsalia*; reference also to other works and their contribution to the development of the genre. All texts will be read in translation. *J. R. Warden; I. R. McDonald.*

CLAB02Y

**Greek and Roman Tragedy**

An exploration of the nature and intent of classical tragic drama, its conventions, historical origins and cultural context, with a discussion of selected plays by Aeschylus, Sophocles, Euripides and Seneca. All texts will be read in translation. *J.N. Grant.*

[CLAB09F

**Greek and Roman Comedy]**

Course not offered in 1974-75.

CLAB21Y

**Greek and Roman Religion**

Course offered in only the Summer Evening Session, 1974.

An exploration of the nature and range of religious experience. Among the topics discussed will be the nature and function of mythology and its relation to religion, Homer and the Olympian gods, myth and philosophy, mystery religions and popular cults, paganism and Christianity. *J.H. Corbett; J.R. Warden.*

[CLAB23S

**Christianity in the Greco-Roman World]**

Course not offered in 1974-75.

GRHB01Y

**History of Greece from 2,000 B.C. to the Death of Alexander**  
Political, economic, social and cultural aspects. The course will as far as possible be studied through the Greek authors (in translation), and attention will be given to the discoveries and methods of archaeology. Topics include: world of Homer; evolution of democracy; Sparta, ideal and reality; Athens and democratic imperialism; achievements of Alexander. *A. Boddington.*

GRHB02Y

**Greek and Roman History from the Death of Alexander to the Gracchi**

Course offered in only the Evening Session, 1974-75.

A study of the emergence and evolution of the Hellenistic Monarchies after the death of Alexander, the development of Rome as a "World Power", and the interaction of the Greek and Roman Worlds.

GRHB03Y

**EVENING ONLY**

**Roman History from the Gracchi to Nero**

A study of the Roman Republic as a social and political organization, and as a "world power"; the collapse of the republican system of government and the reconciliation of republican forms with military despotism and increasing bureaucracy. This course will emphasize close study of the primary sources, read in translation. *J. H. Corbett.*

GRHB24F

**Ancient Historiography**

A study of the ancient historians (Herodotus, Thucydides, Livy and Tacitus), their historical thought and their literary techniques; special attention will be given to the intellectual development of the historians in their environment. All texts will be read in translation. *A. Boddington.*

GRHB25Y

**Studies in Greek History I (c. 800-300 B.C.)**

Special topics will be chosen for study, dependent on the interests and qualifications of the students. Possible examples are the institutions of Athens and/or Sparta, the role of the sea power in Greek history, the political and cultural relations between Greeks and other peoples (e.g. the effects of Alexander's conquests). *A. Boddington.*

*Prerequisite:* GRHB01, or any related GRH, CLA or HUM course

[GRHB26Y

**Studies in Greek History II (c. 800-300 B.C.)]**

Course not offered in 1974-75.

*Prerequisite:* GRHB01, or any related GRH, CLA or HUM course

GRHB27Y

**Studies in Roman History: Pompeii**

The city is central to western society; our urban institutions have their origins in the European past. This course should introduce the student of urban society not only to the city in the Greco-Roman world but also to the comparative study of urban institutions in pre-industrial societies the world over, both past and present. It is intended for students who have some background (not necessarily formal) in urban studies; it does not require a knowledge of ancient history. Emphasis will be placed on the study of Pompeii from primary source materials. Pompeii is a typical small Greco-Roman city; but it is also uniquely well preserved for our examination. The structure of the course will be determined by the students. A considerable degree of personal initiative will be expected. *J.H. Corbett.*

[GRHB28Y

**Studies in Roman History]**

Course not offered in 1974-75.



- ✓GRKA01Y      **Introductory Greek**      4L:MWRF10  
The bases of the language, with an emphasis on reading. *J. R. Warden.*
- ✓GRKB01F      **Plato Apology, Lysias In Eratosthenem**  
In addition to the two texts to be read, there will be accompanying exercises to assist the student in further study of the Greek language. *I. R. McDonald.*  
*Prerequisite:* Grade 13 Greek or GRKA01 or (GRK001)
- [GRKB11S      **Homer, Odyssey]**  
Course not offered in 1974-75.
- ✓GRKB12S      **Herodotus**  
Readings from the first Greek historian with a discussion of literary qualities and historical background. *A. Boddington.*  
*Prerequisite:* GRKB01
- ✓GRKB30F      **Supervised Reading**  
✓GRKB31F      *J. R. Warden.*  
✓GRKB32F      *Prerequisite:* GRKB11 or GRKB12  
✓GRKB33F  
✓GRKB34F
- ✓GRKB35S      **Supervised Reading**  
✓GRKB36S  
✓GRKB37S      *J. R. Warden.*  
✓GRKB38S      *Prerequisite:* GRKB11 or GRKB12  
✓GRKB39S
- ✓LATA01Y      **Introductory Latin**      4L:M9T9W12R12  
The purpose of this course is to acquaint the student with the essentials of the Latin language. Although the emphasis will be on language, selected texts will be read to introduce the student to Latin literature. On completion of the course a student will be equipped to proceed to LATB01 or LATB02. *J. N. Grant.*  
*Exclusion:* (LAT001)
- ✓LATB01F      **Catullus**  
A selection of the works of Catullus will be read. The influences which affect Catullus, and his contribution to Latin poetry will be considered. *I. R. McDonald.*  
*Prerequisite:* Grade 13 Latin or (LAT001) or LATA01
- ✓LATB02S      **Catiline**  
Sallust's *Catilinarian Conspiracy* and selections from Cicero's orations *In Catilinam* will be read. The texts will provide an opportunity of comparing two accounts of the same events from both a literary and historical viewpoint. *J. N. Grant.*  
*Prerequisite:* Grade 13 Latin or (LAT001) or LATA01

- ✓LATB21F      **Virgil: Aeneid**  
Two books of the *Aeneid* will be read as a basis for studying Virgil's epic technique, with emphasis on the appreciation of language and style, the writer's contribution to the development of the genre, and the poem's significance as a mythological and historical document. *J. R. Warden.*  
*Prerequisite:* LATB01
- [LATB22      **Horace]**  
Course not offered in 1974-75.
- ✓LATB30F      **Supervised Reading**  
✓LATB31F  
✓LATB32F      *J. N. Grant.*  
✓LATB33F      *Prerequisite:* LATB01 or LATB02  
✓LATB34F
- ✓LATB35S      **Supervised Reading**  
✓LATB36S  
✓LATB37S      *I. R. McDonald.*  
✓LATB38S      *Prerequisite:* LATB01 or LATB02  
✓LATB39S
- LATC01F      **Independent Studies**  
*J. R. Warden*  
*Rerequisites:* At least two of LATB21, LATB22, LATB30-31, LATB35-39; permission of instructor
- LATC02S      **Independent Studies**  
*J. R. Warden.*  
*Prerequisites:* At least two of LATB21, LATB22, LATB30-34, LATB35-39; permission of instructor

## Commerce

The College now offers a substantial number of courses in Commerce. Additional courses may be added in future years although there is no guarantee that a full programme will be available in the immediate future.

Courses in Commerce will help students to develop the analytical abilities needed for solving problems and making decisions in business and government and for participating in and contributing to our society in general. The courses can be used as a foundation on which to build management and professional skills. The student is advised to supplement the Commerce courses with a course in Calculus and some basic courses in Economics — especially ECOA01, ECOA02, ECOB01, ECOB02, and ECOC08.

- ✓COMA01Y      **Financial Accounting**      2L:WR4  
Basic theory and concepts which underlie the preparation of financial statements; development of double entry theory and

practice; the accounting cycle from the recording of transactions in double entry form to the year-end entries and the preparation of financial statements; problems of measuring income.

#### ✓COMB21F

##### Management Accounting

This course introduces management control through case discussions and a computerized management game, and examines the relationship between cost, volume and profit, the elements of cost, overhead allocation, job order costs, process costs (including the problems raised by joint products and by-products), budgeting and predetermined costs (estimated and standard costs).

*Prerequisite:* COMA01

#### COMB22S

##### Information Systems and Control

The course includes information system theory, control theory and practice, relevant costs, responsibility accounting, and a survey of selected management science techniques (with an introduction to linear programming, correlation analysis, and capital budgeting). Through case discussions, interrelationships between information and control systems, managerial style and human behaviour are established.

*Prerequisite:* COMB21

#### [COMB25Y

##### Managerial Economics]

**Same course as ECOB25Y. Course not offered in 1974-75.**

*Exclusion:* ECOB25

*Prerequisite:* ECOA01 or (ECOA03)

#### ✓COMB26Y

##### Analysis for Decision-Making

**Same course as ECOB26Y.** A course in the analytical formulation and solution of decision problems. The course includes treatment of such topics as: linear and non-linear programming, statistical decision theory, queuing theory, inventory theory and simulation. *M. Walker.*

*Exclusion:* ECOB26

*Prerequisites:* ECOA02; MATA22 or MATA26 or MATA55

*Corequisite:* ECOB01

##### Organizational Behaviour

**Same course as SOCB27Y. Course offered in only the Winter Evening Session.** Examines social factors in administration, the structuring of intra-organizational and interorganizational relationships, and the distribution of power and dependency in society. Empirical studies used in the first term will focus on single organizations. Those used in the second term will focus on industries and other interdependent organizations. Students may organize their written work as a series of short,

independent exercises or as a major project, and should be prepared to share their conclusions in class discussions.

*L.L. Howard.*

*Exclusions:* SOCB27; (SOCC02)

*Prerequisite:* One previous course in Sociology, Commerce, Economics, or Political Science

#### ✓COMC02Y

##### Corporation Finance

**Same course as ECOC02.** An examination of the financial environment within which Canadian companies operate. The aim is to cover the main principles of financial management and to discover the social and legal significance of the modern corporation.

*Exclusion:* ECOC02

*Prerequisites:* COMA01; ECOA02

*Corequisite:* ECOB01

## Drama

Scarborough College offers a number of courses in Drama in various disciplines. It is hoped in subsequent years to add further courses in theatre history and practical work until a full Drama programme is in operation. Students are referred to drama courses listed under: Classical Studies, English, French, German, Humanities, Italian, Russian, and Spanish.

#### ✓DRAB01Y

##### Drama Seminar and Workshop 2L: R1-3, 4P: M10-12 W10-12

The course, consisting of two interdependent parts, one theoretical, the other practical, will comprise a two-hour seminar and two hours of practical workshop each week. It will discuss the drama of various periods in terms of the non-literary elements of theatre, dealing with theatrical conventions, acting styles, and methods of production from classical times to the present. The workshop will develop a full-scale theatrical production. Limited enrolment: 25. *M.Q. Schonberg.*

#### ✓DRAB02Y

##### The Directors' Theatre

2L: MW2

The course will explore the work of famous theatrical companies of the 19th and 20th centuries and the contribution to theatre made by, among others, Antoine, Stanislavsky, Craig, Belasco, Copeau, Reinhardt, Brecht, Barrault, Brook, Littlewood, and Grotowski. *M.Q. Schonberg.*

## Economics

The Economics curriculum provides a well-rounded training, adequate to prepare the student for his responsibilities as a citizen, and for the possibility of further study leading to careers in business, government and the professions.

There are certain courses from the list which follows which can be regarded as central: the introductory course (ECOA01); the initial courses — Microeconomics (ECOB01) and Macroeconomics (ECOB02); and at least one course from among those which offer a different perspective from that seen from the mainstream of contemporary economic theory — a course in Economic History (ECOB03 or ECOB04), a course in the literature of economics (ECOB20 or ECOB21), or the course in Comparative Economic Systems (ECOB10). A student who plans to go further with the subject should consider seriously acquiring some background in Accounting, Statistics, and Computer Science and, depending upon interest, from the wide range of other courses noted below.

Obviously, there are other fields related to Economics which can be strongly recommended to the student who wishes to attain a reasonable level of competence. They include: Mathematics (especially Calculus, Probability Theory, and Linear Algebra), Political Science, History, and the other Social Sciences.

- ✓**ECOA01Y**      **Introduction to Economics**      3L:MWF9/MWF1,1L:M2/M3  
A study of economic theory and its application to contemporary Canadian economic problems. Problems discussed will include: unemployment, inflation, pollution, poverty, monopoly. *Members of the faculty.*
- ✓**ECOA02S**      **Quantitative Methods in Economics**      2L:W11R10  
An introduction to basic statistical methods and their applications to economic problems. Some discussion of the use and testing of econometric models is undertaken.  
*Exclusion:* (SOSA01)  
*Prerequisite:* MATA56 or MATA58  
*Corequisite:* ECOA01 or (ECOA03)
- ✓**ECOB01Y**      **Price Theory**      3L:M3W12F1  
An intermediate level development of the principles of micro-economic, or price and allocation, theory. The primary emphasis is on developing the apparatus of static partial equilibrium analysis. The subject also extends briefly to problems of general market equilibrium and economic welfare. At least one section of ECOB01 will be offered for students who have previously taken a course in Calculus: MATA22, MATA26 or MATA55. *M. Krashinsky.*  
*Prerequisite:* ECOA01 or (ECOA03)
- ✓**ECOB02F**      **National Income and the National Economy**      3L:TRF10  
An exposition of macroeconomic theory with detailed discussion of the theory of output, employment, and the price

level, and of techniques for achieving economic stability. There is also some discussion of Canadian financial institutions and markets, and of the interrelationships between international exchanges and the domestic price level and employment. *J. Gemello.*

*Prerequisite:* ECOA01 or (ECOA03)

### [ECOB03Y

### **North American Economic History]**

**Course not offered in 1974-75.**

*Prerequisite:* ECOA01 or (ECOA03)

### ✓**ECOB04Y**

### **European Economic History**

A study of the emergence of industrial society in Europe since the Middle Ages with some emphasis on the comparative experience of Britain and other European countries and the growth of the nineteenth century world economy. Particular attention is paid to technical change, the expansion of markets, population growth, the economic effects of public policy, and consequent changes in income levels and the structure of the economy. *J. Cohen.*

*Prerequisite:* ECOA01 or (ECOA03)

### ✓**ECOB07S**

### **Economics of the Public Sector: Taxation**

This course is concerned with the revenue side of government finance. In particular, it deals with existing tax structures, in Canada and elsewhere, and with criteria for tax design. Some attention will also be given to the use of government fiscal policy to regulate the level of economic activity. *J. Gemello.*

*Prerequisite:* ECOA01 or (ECOA03)

### ✓**ECOB08F**

### **Economics of the Public Sector: Expenditures**

A study of resource allocation in relation to the public sector, with emphasis on decision criteria for public expenditures. The distinction between public and private goods is central to the course. Special topics discussed include: pollution, the economics of education, fiscal federalism, urban problems.

*Prerequisite:* ECOA01 or (ECOA03)

### ✓**ECOB09F**

### **Economic Development**

A study of growth and development with the aim of devising policies to promote the development of less developed countries and regions.

*Prerequisite:* ECOB01

*Corequisite:* ECOB02

### ✓**ECOB10F**

### **Comparative Economic Systems**

This course analyzes organizations of economic activity other than the capitalist system. The alternatives considered are both real systems as they have developed in some countries, especially in the U.S.S.R., Czechoslovakia, Yugoslavia and

China, and some untried systems as they have been proposed on a purely speculative basis. The course will attempt to evaluate properties of these systems and compare their respective advantages and shortcomings.  
*Prerequisite:* ECOA01 or (ECO A03)

**✓ECOB11S**      **Money and Banking**      **2L: MW2**  
 The focus will be on analysis of monetary theory and monetary policy.  
*Prerequisite:* ECOA01 or (ECO A03)

**✓ECOB12F**      **International Economics: Finance**      **2L: MF11**  
 Balance of payments equilibrium and departures from it. A study of various international monetary arrangements; flexible rates; the gold standard and the dollar standard; current efforts to reform the system. The economics of international investment and its control. The effects of international investment. *L. Tarshis.*  
*Prerequisite:* ECOA01 or (ECO A03)

**✓ECOB13S**      **International Economics: Trade Theory**  
 An analysis of the factors on which a country's trade with other countries is based and the welfare implications of this trade. "Free trade" and protectionism. The optimum tariff; trade blocs; the economics of customs unions and regional economic integration. Canada and the development of the European-U.S. Auto Pact. *M. Krashinsky.*  
*Prerequisite:* ECOA01 or (ECO A03)  
*Corequisite:* ECOB01

**✓ECOB14S**      **Labour Economics**      **2L: T1-3**  
 The functioning of labour markets with special attention to problems of mobility, various types of unemployment, wage and salary determination, wage differentials, and the relationships between wages and prices. *M. Gunderson.*  
*Prerequisite:* ECOA01 or (ECO A03)

**✓ECOB16S**      **Industrial Organization**  
 The economics of the firm in a market environment. The aim is to study business behaviour and public policy with respect to advertising, concentration, competition, rate-setting, etc.  
*Prerequisite:* ECOB01

**ECOB17F**      **Urban Economics**  
**Course offered in only the Winter Evening Session.**  
 Economic analysis is applied to contemporary urban problems. Topics discussed include: housing and urban renewal, poverty and income maintenance, education, metropolitan organization of urban areas. *J. Gemello.*  
*Prerequisite:* ECOA01 or (ECO A03)

**✓ECOB18S**      **Macroeconomic Policy**  
 An examination of public policies for influencing and controlling the level of national income, employment, and the price level. *J. Gemello.*  
*Prerequisite:* ECOB02; permission of instructor for students who completed ECOB02 in 1972-73 and earlier

**✓ECOB20F**      **Literature of Political Economy I**  
 A study of the classical literature of Political Economy; especially selections from the works of Adam Smith, Malthus, Ricardo, J.S. Mill.  
*Exclusion:* (ECOB06)  
*Prerequisite:* ECOA01 or (ECO A03)  
*Corequisite:* ECOB01

**✓ECOB21S**      **Literature of Political Economy II**  
 A study of the classical literature of Political Economy; especially selections from the works of Marx, Jevons, Marshall and Keynes.  
*Exclusion:* (ECOB06)  
*Prerequisite:* ECOA01 or (ECO A03)  
*Corequisite:* ECOB01

**[ECOB25Y**      **Managerial Economics]**  
**Same course as COMB25Y. Course not offered in 1974-75.**  
*Exclusion:* COMB25  
*Prerequisite:* ECOA01 or (ECO A03)

**✓ECOB26Y ✓**      **Analysis for Decision-Making**  
**Same course as COMB26Y.** A course in the analytical formulation and solution of decision problems. The course includes treatment of such topics as: linear and non-linear programming, statistical decision theory, queuing theory, inventory theory and simulation. *M. Walker.*  
*Exclusion:* COMB26  
*Prerequisites:* ECOA02; MATA22 or MATA26 or MATA55  
*Corequisite:* ECOB01

**[ECOB27S**      **Collective Decision-Making]**  
**Same course as POLB27S. Course not offered in 1974-75.**  
*Exclusions:* POLB27; (SOSB04)  
*Prerequisite:* One A-level course in Economics or Political Science

**✓ECOC02Y**      **Corporation Finance**  
**Same course as COMC02Y.** An examination of the financial environment within which Canadian companies operate. The aim is to uncover the main principles of financial management and to discover the social and legal significance of the modern corporation.  
*Exclusion:* COMC02  
*Prerequisite:* ECOB01

[ECOC05S

**The Economics of J.M. Keynes]**  
**Course not offered in 1974-75;**  
*Prerequisite:* ECOB02

[ECOC07F

**The Economics of Karl Marx]**  
**Course not offered in 1974-75.**  
*Exclusion:* (ECOB05)  
*Prerequisite:* ECOB01

✓ECOC08Y

**Econometrics**

A technical study of the problems of measurement and empirical research in Economics. Central to the course is the analysis of estimation and prediction with the aid of regression techniques.

*Prerequisites:* ECOA01; ECOB01; ECOB02; ECOA02 (or an equivalent course in statistics)

✓ECOC10S

**Location Theory**

**Same course as GGRC10S.** Industrial location theory of individual and sets of activities under various spatial market environments, especially duopoly, oligopoly and imperfect competition. The course will begin with an appraisal of traditional Weberian theory and proceed through the works of Losch and Isard to consider the more recent theories of Greenhut, Moses, Churchill, Scott and others. Limited enrolment: 20. *G.J.D. Hewings.*

*Exclusion:* GGRC10

*Prerequisites:* Any two B-level courses in Economics or Geography

✓ECOC11F

**Supervised Reading**

*Prerequisite:* Permission of instructor

✓ECOC12S

**Supervised Reading**

*Prerequisite:* Permission of instructor

✓ECOC15F

**Topics in Advanced Economic Theory**

The course is devoted to some aspect of economic theory not usually covered at the undergraduate level, or to recent work extending and revising received theory, or to alternatives to orthodox economic theory. The topic for 1974-75 will be announced during the fall registration period. *Members of the faculty.*

*Prerequisite:* Permission of instructor

✓ECOC16S

**Topics in Advanced Economic Theory**

The course is devoted to some aspect of economic theory not usually covered at the undergraduate level, or to recent work extending and revising received theory, or to alternatives to orthodox economic theory. The topic for 1974-75 will be announced during the fall registration period. *Members of the faculty.*

*Prerequisite:* Permission of instructor

✓ECOC17F

✓ECOC18S

✓ECOC19F

✓ECOC20S

**Workshop in Economics**

At least four workshops will be operated in 1974-75. The problems to which the individual workshops will be devoted will be announced during the fall registration period. They will be chosen from among: economic discrimination against women; Canada-U.S. relative price levels; international capital movements; natural resources policy for Canada; monetary and fiscal policy in an open economy; and urban transportation. *Members of the faculty.*

*Prerequisite:* Permission of instructor

## English

English Studies has as its subject matter all the communicative arts in English. The range of subject matter encompasses the study of English, Canadian, and American literatures and, to a limited extent, other literatures in English. Emphasis is placed on close responsive critical reading, clarity of expression, and the development of the powers of criticism and judgment. The program is directed toward the broadening of experience, the refinement of feeling and judgment, and the expansion of the imagination.

Students are advised, when selecting courses in other disciplines, to match their English courses with appropriate courses in those disciplines: i.e. with courses in Classics concerned with literary criticism, comedy, tragedy, satire, love-poetry; with appropriate historical period courses in foreign literatures; with courses in Aesthetics (see Philosophy), History, Drama, Fine Arts, Comparative Literature (see Humanities). Courses in contemporary literature may also be profitably combined with studies in Anthropology, Sociology or Philosophy.

*A-level courses in English:* All A-level courses in English are designed to provide a basic training in literary discussion.

Full reading lists for each course may be seen at the College Bookstore.

✓ENGA04Y

**English Literature: Forms and Approaches 2L (6 Sections)**

An introductory study of a wide variety of texts in terms of genres and critical approaches. Emphasis will be placed on the understanding and use of critical terminology. Texts will include: Shakespeare, *Hamlet*; Congreve, *The Way of the World*; selections from the poetry of Marvell, Keats; Austen, *Pride and Prejudice*; Bronte, *Wuthering Heights*. Some critical articles will be studied. *S. Namjoshi.*

✓ENGA05Y

**Canadian Literature in English: an Introduction**

**2L (6 Sections)**

Novels by Callaghan, MacLennan, Laurence, Grove, Davies, Buckler; other prose by Moodie, Leacock; poetry of Lampman, D. C. Scott, Klein, Pratt, Birney, Atwood, Avison; plays by Ryga and others; collection of short stories.

✓ENGA06Y

**American Literature: an Introduction**

**2L: MW3**

At least twelve works will be studied including the following:

Melville, *Moby Dick*; Twain, *Huckleberry Finn*; Hawthorne, *The Scarlet Letter*; Whitman, Selected Poems.

[ENGB01Y

**Old English Language and Literature]**  
Course not offered in 1974-75.

✓ENGB02Y

**Chaucer**

A study of most of the *Canterbury Tales*, *The Book of the Duchess*, *The House of Fame*, *The Parliament of Fowls*, the Prologue to the *Legend of Good Women*, *Troilus and Criseyde*, Selected Lyrics. Background readings: *Roman de la Rose*, *Consolation of Philosophy*, (in translation). Students must familiarize themselves with Middle English grammar and diction. Limited enrolment: 30. *E. P. Vicari*.  
*Prerequisite*: One course in English

✓ENGB04Y

**English Poetry and Drama 1660-1800**

The poetry and drama of the Restoration and Eighteenth Century with special reference to the work of Dryden, Pope, Swift and Johnson. Limited enrolment: 30. *J. Kay*.  
*Prerequisite*: One course in English

✓ENGB05Y

**Romantic Poetry**

Blake, Wordsworth, Coleridge, Byron, Shelley, Keats for special study; brief selections from other poets of the period such as Crabbe, Scott, Landor, Clare; selections from relevant prose works of the period. Limited enrolment: 30. *H. Jackson*.  
*Prerequisite*: One course in English

✓ENGB06Y

**Victorian Poetry**

The poetry of Tennyson, Browning, Arnold, and selections from other poets, including Morris, D. G. Rossetti, Swinburne, Hopkins, Hardy. Some prose works will be read to provide background in nineteenth century thought. Limited enrolment: 30. *M. C. Creelman*.  
*Prerequisite*: One course in English

✓ENGB09Y

**Prose and Poetry of the English Renaissance, 1500-1660**

More, *Utopia*; Machiavelli, *The Prince*; Sidney, *Apologie for Poetrie*, *Astrophel and Stella*; Spenser, *Shepherd's Calendar*, *Amoretti*, *Epithalamion*, *Hymnes*, *Faerie Queene* (Books I, III and Mutabilitie); Shakespeare, *Venus and Adonis*, *Sonnets*, *The Phoenix and the Turtle*; Donne, *Devotions Upon Emergent Occasions* (selections), *Funeral Sermon*, *Songs and Sonnets*, *Religious Poems*; Browne, *Religio Medici*; Bacon, *Essays*, *Novum Organum* (selections); Milton, *Lycidas*, *Areopagitica*, *Paradise Lost*; selected poems of Wyatt, Surrey, Marlowe, Raleigh, Daniel, Drayton, Herbert, Herrick, Vaughan, Marvell. Limited enrolment: 30. *W. J. Howard*.  
*Prerequisite*: One course in English

✓ENGB10Y

**Shakespeare**

A study of at least eleven plays. Limited enrolment: 60. *J. M. R. Margeson*.  
*Exclusion*: ENGA02

✓ENGB11Y

**Varieties of Drama**

A study of drama from ancient Greece to the present day. About twenty plays will be examined in terms of theatrical convention, genre, theme, style, dramatic form. *M. Tait*.

✓ENGB12Y

**English Drama to 1642**

Plays from the cycles of mediaeval religious drama to the closing of the theatres in 1642, including the major plays of Marlowe, Jonson, and Webster, and seven plays of Shakespeare (*Love's Labour's Lost*, *Richard III*, *Much Ado About Nothing*, *Troilus and Cressida*, *Othello*, *Coriolanus*, *The Winter's Tale*). *J. M. R. Margeson*.  
*Prerequisite*: One course in English

✓ENGB14Y

**Varieties of Fiction**

An analytical study of prose fiction from various periods, aiming to develop a familiarity with the varieties of prose-fiction and a capacity for reading individual works critically. Students should read a fair portion of the texts during the previous summer. *A. C. Thomas*; *T. Long*.

✓ENGB15Y

**English Poetry**

A comparative study of forms, modes, themes, and styles of poetry from various periods. Limited enrolment: 30. *M. Tait*.

✓ENGB16Y

**Fiction 1832-1900**

A study of the development of the English novel in the Victorian period, concentrating on the intellectual, social and political climate from which the novels emerged as well as on techniques developed by the novelists to embody visions of man and society. Texts: Dickens, *Oliver Twist*, *Great Expectations*, *Our Mutual Friend*; Thackeray, *Vanity Fair*; G. Eliot, *Silas Marner*, *Middlemarch*; E. Bronte, *Wuthering Heights*; C. Bronte, *Jane Eyre*; Meredith, *The Ordeal of Richard Feverel*, *The Egoist*; Hardy, *Jude the Obscure*; Conrad, *Lord Jim*; and a few additional works. Limited enrolment: 60. *K. Theil*.  
*Prerequisite*: One course in English

✓ENGB17Y

**Fiction before 1832**

At least twelve works, including one or more by each of Richardson, Fielding, Sterne, Jane Austen and Scott. Three of the works will be: Richardson, *Pamela*; Fielding, *Tom Jones*; Sterne, *Tristram Shandy*. Limited enrolment: 60. *H. Jackson*; *J. Kay*.  
*Prerequisite*: One course in English

- ENGB24Y** **Major American Authors**  
An intensive study of between four and six authors, three of which will be drawn from the following list: Cooper, Emerson, Melville, Whitman, Twain, James, Eliot, Frost, Hemingway, Stevens, Faulkner. Limited enrolment: 60. *M.C. Creelman, J. Kay.*  
*Prerequisite:* One course in English
- JENGB26Y** **Canadian Poetry in English**  
Poets of the nineteenth and twentieth centuries, including: Carman, Lampman, D.C. Scott, Pratt, F.R. Scott, A.J.M. Smith, Birney, Klein, Avison, Souster, Johnston, Purdy, Lee, Atwood. *S. Namjoshi.*  
*Prerequisite:* One course in English
- ENGB27Y** **Canadian Fiction in English**  
A study of prose fiction in Canada from its beginnings to the present. Twenty works, by Brooke, Haliburton, Moodie, Duncan, Grove, Callaghan, MacLennan, Laurence, Davies, Richler, and others; a selection of short stories. *T. Long.*  
*Prerequisite:* One course in English
- [ENGB28Y** **Contemporary Literatures in English: West Indies, India, Africa and Australia]**  
**Course not offered in 1974-75.**  
*Exclusions:* (LITB04), (HUMB04)  
*Prerequisite:* Normally "B" Standing in one English Course
- JENGB31Y** **Modern Drama**  
A study of developments in English, American and European drama from Ibsen to the present. The course will include plays by Chekhov, Ibsen, Strindberg, Pirandello, Sartre, Genet, Ionesco, Beckett, Synge, Yeats, Eliot, O'Neill, Albee, Osborne, Arden, Pinter, Brecht, Whiting. Some practical work in play composition and performance. *M. Tait.*  
*Prerequisite:* One course in English
- JENGB32Y** **Modern Poetry**  
A study of Yeats, Eliot, Auden, Stevens, Thomas, Frost, and selections from other poets. *M. C. Kirkham.*  
*Prerequisite:* One course in English
- JENGB33Y** **The Modern Novel**  
An advanced study of about fifteen novels from the period 1900-1945, with particular attention given to developments in fictional form and in the theory of the novel. Texts will include James, *The Ambassadors*; Conrad, *Nostramo*; Bennett, *The Old Wives' Tale*; Forster, *Howard's End*; Ford, *The Good Soldier*; Woolf, *The Waves*; Cary, *The Horse's Mouth*; and critical writings of these novelists on the craft of fiction. Limited enrolment: 60. *M.C. Creelman; K. Theil.*  
*Prerequisite:* One of: ENGA04, ENGB14, ENGB16, ENGB17

- [ENGB36Y** **Literature of Utopias]**  
**Course not offered in 1974-75**
- [ENGC01Y** **Advanced Studies in Beowulf and Other Old English Poetry]**  
**Course not offered in 1974-75.**  
*Prerequisite:* ENGB01
- [ENGC03Y** **Studies in Middle English Language and Literature]**  
**Course not offered in 1974-75.**  
*Exclusion:* ENGB03  
*Prerequisite:* ENGB01 or ENGB02
- JENGC04Y** **Studies in Renaissance Literature**  
Limited enrolment: 15. *E. P. Vicari.*  
*Prerequisites:* Normally "B" Standing in ENGB09Y; two other courses in English
- JENGC05Y** **Studies in Restoration and Eighteenth Century Literature**  
Limited enrolment: 15. *H. Jackson.*  
*Prerequisites:* Normally "B" Standing in three courses in English with at least one in the literature of the Restoration and/or eighteenth Century
- JENGC06Y** **Studies in Nineteenth Century Literature**  
Limited enrolment: 15. *A. C. Thomas.*  
*Prerequisites:* Normally "B" Standing in three English courses
- JENGC08Y** **Studies in Twentieth Century Literature**  
Detailed examination of Yeats, Eliot, Lawrence, Williams, Hemingway. Limited enrolment: 15. *M. C. Kirkham.*  
*Prerequisites:* Normally "B" Standing in three English courses
- [ENGC11Y** **Paradise Lost]**  
**Course not offered in 1974-75.**  
*Prerequisites:* Normally "B" Standing in three English courses
- [ENGC12Y** **Joseph Conrad and the Modern Novel]**  
**Course not offered in 1974-75.**  
*Prerequisite:* Normally "B" Standing in three English courses, including one of the following: ENGB14, ENGB16, ENGB17, ENGB33
- JENGC13Y** **A Seminar in Literary Theory and Practice**  
**Same course as HUMC13Y.** A study of critical theories from Plato and Aristotle to Eliot and Northrop Frye. Major literary works from different periods will be read, and attention given to the question of whether critical theory is able to account for the scope and variety of these works. Limited enrolment: 30. *E. P. Vicari.*  
*Exclusions:* (HUMC02); HUMC13  
*Prerequisites:* Normally "B" Standing in three English courses

## ENG14Y

### Senior Essay

A scholarly project, chosen by the student, approved by the faculty in English and supervised by one faculty member. Arrangements with the faculty in English and the supervisor must be made by the student before the end of the pre-registration period in the spring of 1974. *S. Namjoshi.*

*Prerequisite:* Open only to students completing the last five courses for the twenty-course degree who have Grade "B" standing or better in at least three courses in English

## ENG15Y

### Comprehensive Examinations

*Prerequisites:* Normally "B" Standing in three English courses

## [ENG22F

### Contemporary Press]

Course not offered in 1974-75.

*Prerequisite:* Normally "B" Standing in one English course

## [ENG24Y

### Topics in American Literature]

Course not offered in 1974-75.

*Prerequisites:* One of ENGA06, ENGB21, ENGB22, ENGB24; one other B-level English course

## ENG26Y

### Ezra Pound

A study of the poetry of Ezra Pound. In addition some of his prose works and translations will be examined as ancillary material. Topics for discussion include: "imagist" method; the "ideogrammic" method; Pound and Confucius; Pound's concern with economics and politics; major themes in the *Cantos*; and the structure of the *Cantos*. Limited enrolment: 15. *S. Namjoshi.*

*Prerequisites:* Normally "B" Standing in three English courses

## Fine Art

The Fine Art curriculum offers courses in the two complementary fields of Art History and Studio.

The courses offered in Art History deal with the development of the arts in the West from classical times to the present day. The Studio programme provides opportunities for encounter with materials and methods, forms, and concepts of the visual arts.

Students are encouraged to augment their Art History and Studio courses with courses involving the study of History, classical and modern literatures, literary criticism, sensation and perception, Anthropology, Archaeology and Aesthetics.

Since reading ability of at least one foreign language is necessary in many fields of Art History, students should be prepared to improve their language skills either through taking courses, or through private study.

Students in Studio courses will be required to meet part of the cost of materials; students will be required to pay \$25 - \$30 for materials for each half course.

Students interested in Fine Art should also refer to:

HISA01Y  
[HUMB08F  
HUMB22F  
[HUMB25F  
PHLB03F

The European World: An Introduction  
Orpheus: The Quest of Beauty]  
The Age of Pericles  
The Age of Homer]  
Philosophy and Art

## FARA04Y

### Art History, an Introduction

3L: M10T12 F10

A study of the cultural, political, and aesthetic forces at work in architecture, sculpture and painting. The course will also consider recent contributions to methodology and art theory and the possibilities of other artistic media. *G. Scavizzi; R. Siebelhoff.*

## FARA70F

### Two- and Three-Dimensional Design

2L: M2-4, 2P: W1-3/W3-5

An introduction to the principles of form and composition on a two-dimensional plane and in space. *S. Amenta.*

*Exclusion:* (FARB10)

## FARA71S

### Colour

1L: M2, 2P: W1-3/W3-5

An analysis of the properties, perception, and interaction of colour. *S. Amenta.*

*Exclusion:* (FARB10)

## FARB01S

### Romanesque Art

An intensive study of the aesthetic principles, characteristics of style, dominant themes, and technical innovations of Western European art of the period 1050 to 1200. *Corequisite:* FARA04

## FARB03Y

### Renaissance in Italy

The development of architecture, sculpture and painting in Italy from 1400 to 1600. The first section will focus on Brunelleschi, Donatello, Masaccio, Alberti; the second on the High Renaissance — Leonardo, Raphael, Giorgione, the early works of Michelangelo and Titian; the third on Late Renaissance, or Mannerism. Along with the works of art, the artistic theory of the time will be considered. *G. Scavizzi.*

*Corequisite:* FARA04

## FARB13F

### Art of the First Half of the Nineteenth Century

Painting, sculpture and applied arts produced between the revolutions of 1789 and 1848. Particularly the work of J.L. David, his studio and his pupils will be considered against the background of social and political changes caused by the French Revolution and the Napoleonic Wars. *R. Siebelhoff.*

*Corequisite:* FARA04



- ✓FARB14S **Art of the Second Half of the Nineteenth Century**  
This course concerns itself with the art of the second half of the nineteenth century, between the revolution of 1848 and the First World War. This rich period in the arts of the western world will be considered through its paintings, architecture and sculpture. Special emphasis will be given to such major movements as Impressionism, Symbolism and Cubism.  
*R. Siebelhoff.*  
*Corequisite:* FARA04
- ✓FARB17Y **Baroque Painting in The Netherlands**  
The course considers the Golden Age of Netherlandish Painting with such major artists as Rubens, Rembrandt, Frans Hals, Van Dyck and Jan Vermeer. Considerable emphasis will be placed on the social and historical background which made this surprising development possible. *R. Siebelhoff.*  
*Corequisite:* FARA04
- FARB20Y **The Arts in Canada: 1670 to Present**  
**Course offered in only the Evening Session, 1974-75.**  
The course will examine the problem of Colonial Art, with concentration on the history of painting. The establishment of a Quebecois tradition of painting, and of an independent Canadian landscape school, will be considered in the context of the artist's contacts with European centers, and the history of patronage in Canada. Contemporary problems with U.S. influence and current Canadian art will also be included.  
*B. Lord.*
- [FARB21S **Archaic Sculpture (700-480 B.C.)**  
**Course not offered in 1974-75.**  
*Prerequisite:* One A-level course or half-course in Fine Art
- [FARB25F **High Gothic Architecture**  
**Course not offered in 1974-75.**  
*Corequisite:* FARA04
- [FARB26Y **The Arts in Northern Europe ca. 1400-1530]**  
**Course not offered in 1974-75.**  
*Corequisite:* FARA04
- [FARB27Y **Baroque Art 1600-30]**  
**Course not offered in 1974-75.**  
*Corequisite:* FARA04
- [FARB28Y **Art of the Twentieth Century]**  
**Course not offered in 1974-75.**  
*Corequisite:* FARA04

- [FARB29S **Early Christian and Byzantine Art]**  
**Course not offered in 1974-75.**  
*Corequisite:* FARA04
- ✓FARB30F **Crete and The Mycenaean World**  
A comparative study of the art and architecture of the two renowned prehistoric cultures of Greece (2000-1200 B.C.).  
*M.C. Shaw.*
- ✓FARB31S **Classical Greek Sculpture**  
A study of the evolution of Greek sculptural forms (statues, architectural and other reliefs) from the rise of the classical style through its maturity (490-300 B.C.) *M.C. Shaw.*  
*Prerequisite:* One A-level course or a FAR half-course
- ✓FARB35F **Gothic Painting**  
The course will focus on the mature phase of Gothic in Italy and primarily on the achievements of the schools of Siena and Florence between 1300 and ca. 1350. The following painters will be studied: Duccio, Giotto, Simone Martini, Ambrogio and Pietro Lorenzetti. *G. Scavizzi.*  
*Corequisite:* FARA04
- /FARB36F **Expressionist Trends in Western Art from Van Gogh to Jackson Pollock**  
An examination of such major figures among so-called Expressionist Painters as Van Gogh, Ensor, Munch, Matisse, Kirchner, Nolde, Kandinsky, Chagall, Miro, Gorki and Pollock.  
*Corequisite:* FARA04
- /FARB70S **Drawing I**  
The "scribble". Iconography of expressive drawing. Limited enrolment: 20. *S. Amenta.*  
*Prerequisite:* FARA70  
*Corequisite:* FARA71; permission of instructor
- ✓FARB71F **Painting I**  
The act of painting and the painterly attitude. Exploration of surface and form in non-figurative painting. Limited enrolment: 10. *S. Amenta.*
- ✓FARB72F **Printmaking I: Silkscreen Printing**  
Introduction to printmaking. Materials and methods in edition printing. Limited enrolment: 15. *D. Holman.*  
*Prerequisites:* FARA70; FARA71
- ✓FARB73S **Sculpture I**  
Constructivism. Exploration of architectonic form in wood and plastic. Limited enrolment: 15. *D. Holman.*  
*Prerequisites:* FARA70; FARA71

✓FARB81Y

**Printmaking II: Lithography**

An introduction to stone lithography edition printing involving a detailed investigation of materials and techniques. Limited enrolment: 10. *D. Holman*.

*Prerequisite:* FARB72 or permission of instructor

✓FARC02F

**Supervised Reading**

*Prerequisite:* At least 2 B-level courses in Art History; Permission of instructor must be obtained by first week of classes

✓FARC03S

**Supervised Reading**

*Prerequisites:* At least 2 B-level courses in Art History; Permission of instructor must be obtained by first week of classes

[FARC09F

**Studies in the High Renaissance, 1480-1520 ]**

Course not offered in 1974-75.

*Prerequisite:* FARB03Y

✓FARC10S

**Classicism in Seventeenth Century Art**

The classical trend of the Baroque period from the death of Annibale Carracci (1609) to that of Poussin (1665). In painting, Domenichino, Philippe de Champaigne, Claude Lorrain, and Poussin himself will be studied; in sculpture, Algardi and Duquesnoy will be studied. *G. Scavizzi*.

*Prerequisite:* FARB27Y

[FARC14F

**Art Around 1900 ]**

Course not offered in 1974-75.

*Prerequisites:* FARB13; FARB14

✓FARC15S

**Cubism and Related Movements in Painting**

Investigation of the origin, development and mutual interaction among such movements as Cubism, Futurism, Orphism and *Der Blaue Reiter*. The legacy of these movements within Dada, Abstract Art and Surrealism also will be discussed. Particular stress will be placed upon the career of Pablo Picasso. *B. Welsh*.

*Prerequisite:* FARB28; knowledge of French or German is recommended but not required

✓FARC20Y

**Advanced Studio: Individual Study**

The student is expected to select a specialized area of study and research under the guidance of the faculty. He must plan a course of study in consultation with his chosen studio advisor, engage in an intensive study of a particular problem, and complete an acceptable number of works for a College exhibition. *S. Amenta, D. Holman, and others*.

*Prerequisites:* At least 2 B-level studio courses; FARB28; one other B-level course in Art History; permission of instructor

## French

The courses offered in French provide opportunities for students without Grade 13 French, who wish to begin their study of French (FREA00), as well as for those with Grade 13 French who wish to continue their study of the language and literature of France, as well as of French Canada. FREA01 serves to consolidate the previous experience of students in the understanding and use of the language and acquaints them at the same time with the range of advanced studies available to them at the university level. Providing prerequisite requirements are met, courses may be combined in a variety of ways: however, students intending to specialize in French are invited to consider taking both FREA01 and FREA02 in their first year, then to choose courses from within the following groups: (1) the main trends of French and French-Canadian literatures; (2) the genres: poetry, theatre and novel in various periods; (3) advanced language; (4) language practice courses.

FREA11 and FREA12, FREB11 and FREB12 are designed for those students not intending to specialize in French, and *do not* count therefore towards fulfilment of the requirements for specialization.

The attention of all students is directed to complementary courses offered by other disciplines, in particular those listed below.

DRAB02Y	The Directors' Theatre
ENGB31Y	Modern Drama
HISB14Y	Society in Early Modern Europe, 1550-1800
HUMC13Y	A Seminar in Literary Theory and Practice
PHLB04S	Philosophy in Literature
PHLB30F	Sartre and the Continental Tradition

All students enrolled in French, some of whom may later wish to attend the College of Education or to continue their studies at the graduate level, are invited to confer with their instructors at the earliest possible date in order to work out an appropriate and coherent programme.

✓FREA00Y

**Introductory French**

4L: MTWF12/MTWF1/MTWF2

This course is designed to enable students to begin (or to continue) their study of the French language with a view to entering FREA01 in a subsequent year. Intensive laboratory and class-room instruction in written and oral French. The course is not open to students with Grade 13 French. It is a credit-course but does not count as one of the required courses for specialization in French. Students with a final grade of 70% (B-) will be permitted to enter FREA01. *P.C. Moes; others*.

✓FREA01Y

**Preparation for University French Studies**

3L (6 sections)

This course provides all students with opportunities to improve their language skills, by means of readings and written compositions, oral classes, phonetics and work in the language laboratory. *J.A. Curtis; others*.

*Prerequisite:* Grade 13 French, or at least 70% in FREA00, or equivalent

- ✓FREA02Y **Introduction to Literary Analysis** 2L: T12RI  
This course introduces the student to methods of critical analysis through the study of selected works from the fields of French drama, fiction and poetry of the nineteenth and twentieth centuries. Students who plan to take courses in French literature in later years are strongly advised to include FREA02Y in their first-year programme. *J.A. Curtis; W.J. Bancroft.*  
*Prerequisite:* Grade 13 French or equivalent  
*Corequisite:* FREA01
- FREA11F **Man and Society in French Fiction**  
**Course offered in only the Winter Evening Session, 1974-75.** A study of sociological problems as reflected in selected works of twentieth century French fiction. Works will be read in English translation, and classes conducted in English. *L.E. Doucette.*
- FREA12S **Man and Society in French Canadian Fiction**  
**Course offered in only the Winter Evening Session, 1974-75.** A study of sociological problems as reflected in selected works of twentieth century French-Canadian fiction. Works will be read in English translation, and classes conducted in English. *L. E. Doucette.*  
*Exclusion:* FREA11 in 1971-72 and previous sessions
- ✓FREB01Y **Language Practice** 3L:MWF1/MWF2/MWF3  
A continuation of first-year language work, including grammar, composition, oral practice, readings and language laboratory work. *L.B. Mignault; L.E. Doucette.*  
*Exclusion:* (FREB21)  
*Prerequisite:* FREA01
- ✓FREB04F **Conversation I**  
Intensive practice in the spoken language through controlled situational oral work and discussion groups. Attention will be given to the comprehension of such major regional variants as that of the Province of Quebec. *L.B. Mignault.*  
*Prerequisite:* FREA01
- ✓FREB05S **Conversation II**  
A continuation of FREB04. *L. B. Mignault.*  
*Prerequisite:* FREA01
- ✓FREB11F **Topics in French Literatures I: Politics in Quebec Literature**  
An analysis of basic political problems in Quebec as expressed in selected essays and literary works since 1955. Authors include: Hubert Aquin, Claude Jasmin, Gratien Gélinas, P.E. Trudeau, Pierre Vallières. Texts will be read in French, discussed in English. *L.E. Doucette.*  
*Prerequisite:* Reading knowledge of French tested by an entrance examination for those without Grade 13 French

- ✓FREB12S **Topics in French Literatures II: Love and Honour**  
A study of the relationship between the individual and the state, as portrayed in major French tragedies from the seventeenth century to the present. *W.J. Kirkness.*  
*Prerequisite:* Reading knowledge of French tested by an entrance examination for those without Grade 13 French
- ✓FREB20Y **French Civilization: The Vision of Man**  
This course will study the basic features of French culture by analysing the concept of man throughout the various epochs of French history as reflected by social and political institutions and movements, religious trends, works of art and literature. Readings from Rabelais, Montaigne, Descartes, Pascal, Voltaire, Rousseau, Hugo, Renan, Camus, Sartre, de Beauvoir and others will be used to supplement the lectures and illustrate the itinerary of the vision of man from "l'honnête homme" to "l'homme absurde". *L.B. Mignault.*  
*Prerequisite:* FREA01
- ✓FREB25Y **Introduction to French Linguistics**  
Study of linguistic theories from the beginning of the twentieth century as applied to modern French. *W.J. Kirkness.*  
*Prerequisite:* FREA01
- [FREB26Y **The Romantic Current in French Literature]**  
**Course not offered in 1974-75.**  
*Exclusion:* (FREB06)  
*Prerequisite:* FREA01
- ✓FREB28F **French Drama of the Seventeenth Century**  
A study of some of the most important plays of the period with special emphasis on the concept of drama, its styles and techniques, which they illustrate. Students specializing in French language or literature who select this course will find it useful to take FREB29 as a companion course. *P.C. Moes.*  
*Prerequisite:* FREA01
- ✓FREB29S **French Drama of the Eighteenth Century**  
A study of some of the most important plays of the period with special emphasis on the concept of drama, its styles and techniques, which they illustrate. Students specializing in French language or literature who select this course will find it helpful to take FREB28 as a companion course. *P.C. Moes.*  
*Exclusion:* FREB28 in 1971-72 and previous sessions  
*Prerequisite:* FREA01
- ✓FREB30F **French Theatre of the Early Modern Period**  
A study of trends in French drama from the late nineteenth century to the Second World War. The course deals with such topics as the realist and surrealist movements, "poetic" drama

and the revival of myth. Students are urged to consider taking the companion course FREB31. *J.A. Curtis.*  
*Prerequisite:* FREA01

✓FREB31S **Contemporary French Theatre: The Theatre and the Absurd**  
 This course will examine the philosophical concept of the "absurd" and its influence in modern French theatre. Authors studied will include Camus, Sartre, Ionesco, Beckett, Genet. Students are urged to consider taking the companion course FREB30. *L.E. Doucette.*  
*Exclusion:* FREB30 in 1973-74 and previous sessions  
*Prerequisite:* FREA01

✓FREB32F **The Writer and Nineteenth Century Society**  
 A study of major realistic and naturalistic writers, including Balzac, Flaubert and Zola. Texts analysed will explore such themes as the individual in society, class struggle, ambition and alienation. Students are urged to consider taking FREB33 as a companion course. *W.J. Bancroft.*  
*Exclusion:* (FREB10)  
*Prerequisite:* FREA01

✓FREB33S **Readings in Nineteenth Century French Fiction**  
 A study of the French individualist novel, with emphasis on the theme of love. Novelists studied will include Stendhal, Fromentin and Constant. Students are urged to consider taking FREB32 as a companion course. *W.J. Bancroft.*  
*Exclusions:* (FREB10); FREB32 in 1971-72 and previous sessions  
*Prerequisite:* FREA01Y

[FREB34F **Readings in Twentieth Century French Fiction]**  
**Course not offered in 1974-75.**  
*Exclusions:* FREB12  
*Prerequisite:* FREA01

[FREB35S **Ideas in Twentieth Century French Fiction]**  
**Course not offered in 1974-75.**  
*Exclusions:* FREB12; FREB34 in 1971-72 and previous sessions  
*Prerequisite:* FREA01

[FREB36F **French-Canadian Literature to 1945]**  
**Course not offered in 1974-75.**  
*Exclusion:* (FREB16)  
*Prerequisite:* FREA01

[FREB37F **French-Canadian Literature since 1945]**  
**Course not offered in 1974-75.**  
*Exclusions:* (FREB16); FREB36 in 1971-72 and previous sessions  
*Prerequisite:* FREA01

✓FREB38F **The Theatre of French Canada**  
 A study of the main characteristics of Quebec theatre in the twentieth century, with emphasis on the period 1960-present. *L.E. Doucette.*  
*Prerequisite:* FREA01

[FREB40F **The Poetry and Prose of the Golden Age]**  
**Course not offered in 1974-75.**  
*Exclusion:* (FREB22)  
*Prerequisite:* FREA01

[FREB42F **General History of the French Language]**  
**Course not offered in 1974-75.**  
*Exclusions:* (FREB05, 1969-70); (FREB23)  
*Prerequisite:* FREA01

[FREB43S **The French Language in Canada]**  
**Course not offered in 1974-75.**  
*Exclusions:* (FREB05, 1969-70); (FREB23)  
*Prerequisite:* FREA01

[FREB44F **The Intellectual Explosion: The French "Philosophes" in the Age of Enlightenment]**  
**Course not offered in 1974-75.**  
*Exclusions:* (FREB04, 1969-70); (FREB24)  
*Prerequisite:* FREA01

[FREB45S **French Literature in the Age of Enlightenment]**  
**Course not offered in 1974-75.**  
*Exclusions:* (FREB04, 1969-70); FREB24  
*Prerequisite:* FREA01

[FREB46F **Principles of Lexicology and their Application to Modern French]**  
**Course not offered in 1974-75.**  
*Prerequisite:* FREA01

✓FREB48Y **Theoretical and Practical Phonetics**  
 This course will comprise the following: (1) General principles of French phonetics, phonetic readings, phonetic transcription, corrective pronunciation, the study of the relationship between spelling and pronunciation. (2) Analysis and discussion of recordings used in the language laboratory, with use of tapes in the classroom. (3) Audition of a wide range of recorded materials: *genres*, styles, social and regional variants. *G. Trembley.*  
*Prerequisite:* FREA01

✓FREC01Y **Language Practice** **3L: MWF9/MWF12**  
 This course is a continuation of FREB01Y and includes reading, grammar, composition, stylistic exercises, discussion and/

or debates. Required for students who wish to specialize, or who intend to undertake graduate studies in French at the University of Toronto. *G. Trembley.*  
*Prerequisite:* FREB01 or FREB21

✓FREC02F  
 ✓FREC04F  
 ✓FREC06F

#### Supervised Reading

*Prerequisites:* One B-level course in French, excluding FREB11 and FREB12; permission of instructor

✓FREC03S  
 ✓FREC05S  
 ✓FREC07S

#### Supervised Reading

*Prerequisites:* One B-level course in French, excluding FREB11 and FREB12; permission of instructor

✓FREC08S

#### Problems in Translation

A practical course in translating both from French to English and from English to French, which will involve analysis of selected examples of the translator's art, as well as exercises in "thème" and "version". *J.A. Curtis.*  
*Prerequisite:* FREB01 and FREB21

✓FREC10F

#### "Explication de textes"

This course will involve a study of literary texts from the seventeenth to the twentieth centuries. Texts for study will also be chosen from the following disciplines: Fine Art, History, Philosophy, Psychology, Sociology, Political Science, Journalism. *W.J. Bancroft.*  
*Prerequisite:* One B-level course in French, excluding FREB11 and FREB12

✓FREC22Y

#### Introduction to Medieval French Language and Literature

An introduction to old French language and the study of representative works in the following *genres*: epic, "courtis" and "bourgeois" literatures. *G. Nemeth.*  
*Prerequisite:* One B-level course in French, excluding FREB11 and FREB12

✓FREC34F

#### Cross-currents in Contemporary French Fiction

An examination of the varied perspectives open to contemporary novelists. Social dissection and scandal with Peyrefitte; one man's consciousness in Schwartz-Bart; revolution and fantasy in Queneau; the eternal myth of the land in Queffélec; and the anti-novel of Butor. *S. Mittler.*  
*Prerequisite:* One B-level course in French, excluding FREB11 and FREB12, or permission of instructor

✓FREC39S

#### French-Canadian Poetry

The development of Canadian poetry in French from the middle of the nineteenth century to the present, with emphasis on the contemporary period. *L.E. Doucette.*  
*Prerequisite:* One B-level course in French, excluding FREB11 and FREB12, or permission of instructor

## Geography

Members of the Geography faculty can provide detailed advice and counselling on course selection and on the planning of a coherent and logical programme of studies. Students are invited to make use of this advice.

Geography is concerned with the spatial distribution of physical and human phenomena and with the associations of phenomena that distinguish one area of the earth's surface from another.

The face of the earth is made up of many different kinds of features, each of which is the momentary result of a continuing process. Many kinds of physical and cultural processes operate and the result of the interaction of these processes is that the face of the earth is composed of a mosaic of distinctive areas. Geography seeks to interpret the significance of the similarities and differences among areas in terms of causes and consequences.

The introductory programme in Geography consists of five half-courses. As far as possible, four of these are timetabled in such a way that they can be taken as two full courses. Lectures and tutorials or practical work in Geography A06 and A07 are scheduled at the same time, as are those in Geography A08 and A09.

The additional grouping of Geography courses selected will depend on the particular interests of each student (for example some will wish to concentrate on Physical Geography, others on Human Geography and others on Area Studies) and on the careers or advanced studies upon which they are likely to embark. Certain courses in Chemistry, Physics and Biological Sciences would be especially useful to the student of Physical Geography while other courses in Economics, Political Science, Anthropology and Sociology would be of benefit to those students most interested in Human Geography.

The interdisciplinary course NSCA03 "Quaternary Environments and Man" will be of interest to many students taking Geography whether they are concentrating on Physical or Human Geography.

✓GGRA03S

#### Introduction to Geography: Geographic Methods I:

##### Cartographic and Field Methods

2L: TR10, IT

An introduction to the compilation, construction, interpretation and use of a variety of types of maps. The course introduces some of the simpler basic field work techniques frequently used by Geographers. *C.J. Sparrow.*

✓GGRA06F

#### Introduction to Geography: Environmental Analysis

2L: T11-1, 2T: W10-12/W2-4 (every second week)

Studies of the environment of man following the philosophical traditions of Geography and allied Physical Sciences. Subjects include spatial and temporal orientation to landscape phenomena, measurement, scale and co-ordinate representation, atmospheric, biotic, and soils systems, resource identification and analysis, and environmental hazards with particular attention to environmental pollution. *K.E. Francis.*  
*Exclusion:* (GGRA02)

✓GGRA07S

**Introduction to Geography: The Surface of the Earth**

**2L:T11-1, 2P:W10-12/W2-4 (every second week)**

An introductory survey of the principles of Physical Geology and Physical Geography involved in the evaluation of man's changing physical environment. Earth materials, the rock cycle, subsurface and surface processes, climatic controls on erosion and current theories on the origin and development of the lithosphere and biosphere. Emphasis will be placed on surface morphology and the process-response relationships existing between the denudational agents and the earth materials. *B. Greenwood.*

*Exclusion:* (GGRA02)

*Corequisite:* None. A background in Science would be helpful but is not essential

✓GGRA08F

**Introduction to Geography: Regional Analysis 2L:M11W2,IT**

The concepts, methods and practices of regional study in Geography. Theoretical, administrative and literary regionalism; the region as a concept, from "natural regions" to regional science; regional description and analysis. Includes a field excursion and the preparation of a report on a selected region in eastern Ontario. *P.W. Cave.*

*Exclusion:* (GGRA01)

✓GGRA09S

**Introduction to Geography: Spatial Analysis 2L:M11W2,IT**

The spatial organization of society; elementary location theory, land use and spatial interaction. Problems of the spatial structure of contemporary western economies; poverty, regional underdevelopment; spatial inequality. Development objectives in a spatial economy. *G.J.D. Hewings.*

*Exclusion:* (GGRA01)

✓GGRB01Y

**Geography of Resources 2L:MR11, 2T:W9-11/W3-5**

Problems of resource use with particular reference to their environmental setting: (1) definition and classification of resources, (2) special problems relating to agricultural resources, (3) specific aspects of the use of non-agricultural resources, and finally (4) an examination of the use/misuse and abuse of resources. *A. Tayyeb.*

*Prerequisites:* (GGRA01) or (GGRA02) or GGRA06; GGRA07 or GGRA08; GGRA09

✓GGRB02Y

**Geographic Methods II: Analytical and Quantitative Methods Course offered in only the Winter Evening Session.**

Identification of geographic problems and the selection of data; tests of simple hypotheses; correlation and regression; regionalization and allocation problems. Elementary computer programming together with the use of previously written programmes. *G.J.D. Hewings.*

*Prerequisites:* Two A-level courses in Geography

✓GGRB03Y

**Climatology**

The main aspects of Physical Climatology and the dynamics of the Earth's atmosphere. The second half of the course concentrates on Applied Climatology and atmospheric pollution and urban climates. Tutorial work includes the use of simple climatic instruments. *C.J. Sparrow.*

*Prerequisites:* (GGRA02) or GGRA06; GGRA07

✓GGRB04Y

**The Geography of Canada**

In the first part of the course, the historical geography of Canada will be reviewed, emphasizing particularly settlement and development patterns. Several important aspects of the present geography will be examined. These include urban Canada, resource exploitation and management, and regional economic disparities. In the second part of the course, a number of themes will be used to interpret the geography of Canada, including: man against nature (survival); a persistent business ethic in city planning and resource management; and regionalism vs. nationalism vs. continentalism. These will be applied to specific problems, places and landscapes. Evaluation, organization and specific topics discussed will depend on the number of students and their interests.

*Prerequisites:* GGRA08; GGRA09; a reasonable knowledge of the basics of Canadian geography as presented in a study such as J. Warkentin (Ed.), *Canada: A Geographical Interpretation*, 1968, will be assumed.

✓GGRB05Y

**Urban Geography**

An introduction to the characteristics and major problems of Canadian cities, in three main sections: urban theory, the development of Canadian cities and urban problems. Topics include urbanization and processes of urban growth; systems of cities; urban form and design; spatial structure of land uses; distinctive socio-economic areas within cities; circulation; transportation and immigration. *P.W. Cave.*

*Prerequisite:* (GGRA01) or GGRA08 or GGRA09

✓GGRB06Y

**The Geography of Economic Activities**

An introduction to the Geography of world economic activities, including the geographical variation in the level of economic development, the inter-relationship of consumption, production and exchange, the process of agricultural and industrial production, economic and location theory, transportation, the growth of service industries, and problems of economic development. *M.F. Bunce.*

*Prerequisites:* (GGRA01) or GGRA08; GGRA09

GGRB07Y

**Geomorphology: The Pleistocene Epoch**

**Course offered in only the Winter Evening Session, 1974-75.**

A detailed examination of the processes contributing to the continuing modification of the earth's surface features. The

course is centred around the theme "Morphology and Process" and evaluates landscape changes during and since the Pleistocene Epoch. The relationships between the mechanics of erosion, transport, and deposition and the surface forms associated with the growth and decay of continental ice sheets will be studied. Field trips during the fall term. Limited enrolment: 25. *B. Greenwood.*

*Prerequisite:* (GGRA02) or GGRA07

*Corequisite:* None. GGRB02 and GGRB03 are strongly recommended, as some background in the scientific approach is necessary, but are not required

#### ✓GGRB08Y

##### The Geography of Underdevelopment

The definition, nature, performance and problems of underdeveloped areas. Underdevelopment as a phenomenon, a condition and a process and their expression as geographically distinct realities. Considerable reading and constant participation by the student through discussions and seminars. A background in Economics would be useful. *A. Tayyeb.*

*Prerequisites:* (GGRA01) or GGRA08; GGRA09

*Corequisite:* None. GGRB02 is recommended but not required

#### ✓GGRB09Y

##### Special Topics

*Prerequisites:* 2 A-level full-course-equivalents in Geography

#### ✓GGRB10Y

##### The Geography of Soils]

~~Course not offered in 1974-75~~

*Prerequisites:* GGRA06; (GGRA02) or GGRA07

#### ✓GGRB11Y

##### Air Photo Interpretation and Analysis

An introduction to the theory and applications of air photos. Interested students from other disciplines should consult with the co-ordinator. *Co-ordinator: B. Greenwood.*

*Prerequisite:* GGRA03

*Corequisite:* GGRB02

#### [GGRB12Y

##### The Historical Geography of Canada]

Course not offered in 1974-75.

*Prerequisites:* 2 A-level full-course-equivalents in Geography

#### GGRB13Y

##### Introduction to Cultural Geography

Course offered in only the Winter Evening Session, 1974-75

An examination of the nature and scope of Cultural Geography. The relationships between culture and environment are considered with reference to primitive vernacular and contemporary cultures. Particular attention will be paid to the notions of cultural landscape, cultural ecology, and culture region. Specific topics that will be discussed are: architectural and environmental design, diffusion of culture traits, sense of place, diversity and uniformity in cultural landscapes, the cultural landscapes of mass society and mass

media and international culture. Evaluation, organization and specific topics will depend on the number of students and their interests.

*Prerequisites:* GGRA08, GGRA09

#### ✓GGRB14Y

##### The Canadian North

An analytical inquiry which exposes problems and perspectives on the North with special focus on human occupation, land use, resource identification and management, northern operations, northern policy and foreign analogs. *K.E. Francis.*

*Prerequisite:* GGRA06 or approved equivalent

#### -GGRB15Y

##### Coastal Geomorphology

The coastal zone as a physical environment is immensely variable, complex and extremely fragile. Man's use of the coastal zone is accelerating at a greater pace than our understanding of the physical processes which occur naturally in this environment. This course is designed to make students aware of the physical nature of the coastal environment, its historical development and the problems which arise from man's use and abuse of it. The mechanics of coastal processes will be applied to a study of coastal erosion, siltation, pollution etc. Field trips during the fall term. *B. Greenwood.*

*Prerequisite:* GGRA07 or (GGRA02)

*Corequisite:* None. GGRB03 and GGRB02 are recommended, as some background in the scientific approach is necessary, but are not required

#### ✓GGRB16Y

##### Local Area Studies

The course concentrates on the investigation of local problems, especially in the eastern urban fringe of Metropolitan Toronto. It involves specific research projects using a variety of geographical techniques. The aims are to develop students' competence in field observation, to collect and analyse primary information, and to encourage an understanding of the geography of local areas. This course will act as a focus for a broad interest in local area studies among Geographers at Scarborough College. *Members of the faculty.* — Course Coordinator: *P.W. Cave.*

*Prerequisites:* Two A-level full-course-equivalents in Geography

#### ✓GGRC01Y

##### Supervised Research

Students will be required to complete a dissertation and discuss it with an examining committee. The topic for the research project should be selected by the end of the third year of full-time study (or equivalent) and must be approved by a staff supervisor. Students should start work on the project during the summer preceding their fourth year of full-time study (or equivalent), and should complete most or all of their field work during this period. *Members of the faculty.*

*Prerequisites:* Any 15 courses. By the end of the year in which the student takes this course, at least eight courses in Geography (not including GGRC01) must have been completed

✓GGRC02Y

**Themes in Rural Geography**

A thematic study of the geography of rural environments. Lectures and seminars in the first term will examine such themes as concepts of rurality, agricultural land use, rural settlement and community, the evolution of landscape, and rural-urban relationships. These will be discussed in various cultural contexts. In the second term seminars will concentrate upon some aspects and problems of rural Ontario, including, for example, contemporary issues in Ontario agriculture, rural poverty, the rural-urban fringe and rural planning. Students will be expected to undertake a research project on a selected aspect of rural Ontario. Limited enrolment: 20. *M.F. Bunce.*  
*Prerequisite:* GGRB06

GGRC03S

**Regional Industrial Analysis and Development**

**Course offered in only the Winter Evening Session, 1974-75.**

Regional development from both theoretical and empirical standpoints. The first part of the course will consist of a presentation of alternative frameworks for analysis: regional balance of payments; economic base; shift and share; regional and interregional input-output; dynamic and static aggregate models. In the second part, an evaluation will be made of the public policy issues — the application and utility of growth pole theory, equity-efficiency trade-offs, balanced-unbalanced growth, quality-quantity issues — in the light of recent experience in Canada, the U.S.A. and Western Europe. Limited enrolment: 20. *G.J.D. Hewings.*

*Prerequisites:* Two B-level courses in Economics or Geography

✓GGRC04S

**Urbanization in Ontario**

An advanced discussion course on the following: the history of urbanization in Southern Ontario; the urban development process; Ontario townscapes; urbanization of the rural landscape. Discussions will focus mainly on case studies of selected topics such as: "project-building" in the city; images of city form; speculation and the urban shadow; conflicts in Niagara; the Ontario lakeshore; ex-urban living; small-towns and central places in Ontario; idle land and speculation; cottages and recreation. Limited enrolment: 20. *P.W. Cave.*

*Prerequisite:* GGRB05

[GGRC05F

**Theory and Method in Modern Quantitative Geomorphology]**

**Course not offered in 1974-75.**

*Prerequisite:* GGRB07

[GGRC06F

**Biogeography]**

**Course not offered in 1974-75.**

*Prerequisites:* GGRB03; at least 2 other B-level courses in Geography

✓GGRC07Y

**Advanced Readings in Selected Fields of Geography**

Advanced reading and study courses with a programme to be planned in consultation between students and instructors.

*Members of the faculty.*

*Prerequisites:* At least 3 B-level courses in Geography; permission of instructor

[GGRC08F

**Field Problems in Geography]**

**Course not offered in 1974-75.**

*Prerequisites:* At least 2 B-level courses in Geography

✓GGRC09S

**Canada North of Sixty**

A seminar in Resource Geography dealing with selected problems in Arctic resource perception, analysis and evaluation including the analysis of Arctic operational systems, biotic systems, terrain systems, and human economic and cultural systems. For specific subjects, a comparative approach may be taken using Soviet, Alaskan, Scandinavian and Danish analogues. Students will assume considerable responsibility for setting specific subject content and direction of the seminar. Limited enrolment: 20. *K.E. Francis.*

*Prerequisites:* At least 2 B-level courses in Geography including GGRB14

✓GGRC10S

**Location Theory**

**Same course as ECOC10S.** Industrial location theory of individual and sets of activities under various spatial market environments, especially duopoly, oligopoly and imperfect competition. The course will begin with an appraisal of traditional Weberian theory and proceed through the works of Losch and Isard to consider the more recent theories of Greenhut, Moses, Churchill, Scott and others. Limited enrolment: 20. *G.J.D. Hewings.*

*Exclusion:* ECOC10

*Prerequisites:* Two B-level courses in Economics or Geography

[GRC11S

**Quantitative Methods in Economic Geography]**

**Course not offered in 1974-75.**

*Prerequisite:* GGRB02 or similar background in Statistics and Methods

GGRC12F

**Contemporary Issues in the Philosophy of Geography**

**Course offered in only the Winter Evening Session, 1974-75.**

The precise content of the course will depend on the interests of the students involved. Suggested topics are: (1) themes in the



history of geography; (2) the search for a definition of geography; (3) contemporary approaches to geography and their related philosophies (historical/cultural, resource analysis, spatial analysis, geomorphology/climatology); (4) alternative philosophical positions (existentialism, structuralism, Marxism); (5) specific topics and problems (theories, and models, explanation, meaning and experience, scientific and social responsibility and relevance). Limited Enrolment: 20.

*Prerequisites:* Any fifteen courses. By the end of the year in which the student takes this course at least eight courses in Geography (including GGRC12) must have been completed

✓GGRC13Y

#### **A Theoretical Approach to Political Geography**

An examination of theories and principles postulated to explain the relationships between geographical and political phenomena on various scales — local, regional and worldwide. The two main approaches emphasized are morphological and functional. The basic theme of the course is that an understanding of theoretical details is essential for the proper evaluation of the ever changing geographical conditions and political processes in different parts of the world. Limited enrolment: 20. *A. Tayyeb.*

*Prerequisites:* GGRC08, GGRC09 and/or POLA02; one B-level course in Geography

[GGRC14F

#### **Themes in the Historical Geography of Ontario]**

**Course not offered in 1974-75.**

*Prerequisites:* At least 2 B-level courses in Geography or History

*Corequisites:* GGRC04 and GGR348 (St. George) are recommended but not required

[GGRC15S

#### **The Geography of Soils — Applied Aspects]**

**Course not offered in 1974-75.**

*Prerequisites:* At least 2 B-level courses in Geography

*Corequisite:* GGRB10

[GGRC16F

#### **Techniques of Historical Geography]**

**Course not offered in 1974-75.**

*Prerequisites:* At least 2 B-level courses in Geography or History

*Corequisite:* GGRB12

✓GGRC17Y

#### **Landscape Evolution in Southern Ontario**

The effects upon the Southern Ontario landscape of changing patterns of settlement, economy and society during the last two hundred years. Both "rural" and "urban" landscapes, are studied as expressions of culture. Particular attention is directed towards the notion of regional landscapes and to the

development of interpretive themes for their characteristics. The course has introductory lectures, but emphasizes seminar discussions and independent work by students. Limited enrolment: 20. *M.F. Bunce; P.W. Cave.*

*Prerequisites:* At least 3 B-Level courses in Geography

✓GGRC18F

#### **Transportation Systems and Spatial Development**

The nature, structure and function of transportation systems. Particular attention will be paid to the study of intra-urban transportation problems and to the theoretical justification for, and empirical evaluation of the role of transportation investment in regional and national planning and development.

Limited enrolment: 20. *G.J.D. Hewings.*

*Prerequisites:* Two B-level courses in Geography (GGRB06 and GGRB02 are highly recommended) or in Economics

[GGRC19F

#### **Applied Economic Climatology]**

**Course not offered in 1974-75.**

*Prerequisites:* GGRB02; GGRB03; GGRB05 and GGRB06 are highly recommended but not required

## **Geology**

Geology is the principal branch of the Solid Earth Sciences concerned with the origin, history and structure of the Earth. It is a scientific discipline providing a dynamic perspective view of the chemical and biological processes that have operated on the Earth by observations of rock materials representing a time continuum. Because of the multidisciplinary nature of Geology, the course "Principles of Geology" interfaces well with other fields such as Anthropology, Biology, Chemistry, Geography, Physics and Quaternary Studies, and provides a sound basis for further studies in these areas as well as a basis for specialization in Geology itself.

✓GLCA01Y

#### **Principles of Geology**

**2L: WF1, 2P; T2-4/F2-4**

A survey course that reviews fundamental concepts of Physical and Historical Geology and discusses them in the context of the Earth as a planet. Topics include the study of internal and external processes that control the major features of the Earth and the changing environments resulting from physical and biological events. Laboratory work covers an introduction to the study of rocks, minerals and fossils and the interpretation of geological maps.

*Prerequisite:* A background in Science is recommended but not required

NOT  
OFFERED

## German

Courses in German provide opportunities for the study of the language and of the literature of Germany, Austria and part of Switzerland. While language and literature courses may be combined in various ways by students who have completed the necessary prerequisite courses, those who intend to specialize in German are urged to consider the programme of study set out in the "Specialist Programmes" Section of this *Calendar*. The Programme includes a language course during each year of study in order to maintain continuity in the development of practical skills.

- ✓GERA10Y      **Introductory German**      4L: M11W11F11F1, 2P: T11-1  
The fundamentals of grammar and syntax. *W. Tepfenhardt.*
- GERATTY  
REPLACED BY  
GERB01Y  
RUSB02Y
- ✓GERB01F      **Intermediate German**      3L: MWF9, IP: R9  
Intensive language work focusing on readings, oral and written composition. *W. Tepfenhardt.*  
*Exclusion:* (GERA01)  
*Prerequisite:* Grade 13 German or GERA10
- ✓GERB01F      **German Literature before 1775**  
The course is to provide the student with a background in German literary history, so that he will be better equipped to understand its development from the middle of the eighteenth century onward. *H. Wittmann.*  
*Prerequisite:* (GERA01) or GERA11  
*Corequisite:* GERB04
- ✓GERB02F      **Twentieth Century Prose**  
A study of authors such as Mann, Musil, Kafka, Brecht, Böll and Grass. *H. Wittmann.*  
*Prerequisite:* (GERA01) or GERA11  
*Corequisite:* GERB04
- ✓GERB03S      **Twentieth Century Drama and Poetry**  
A study of the dramatic works of Wedekind, representative playwrights of Expressionism, Brecht, Frisch, Dürrenmatt, Hochhuth, Kipphardt, Weiss; selections from the poetry of Rilke, George, Hofmannsthal; the Expressionists Heym, Trakl, Benn, Lasker-Schüler; Kaschnitz, Celan, Enzensberger. *H. Ohlendorf.*  
*Prerequisite:* (GERA01) or GERA11  
*Corequisite:* GERB04
- ✓GERB04Y      **Advanced Conversation and Composition**      3L: M2W4F2  
A continuation of the language work done in GERA11. *H. Wittmann.*  
*Prerequisite:* (GERA01) or GERA11  
*Corequisite:* One of GERB01, GERB05, GERB02, GERB03, GERB15, GERB16, GERB11 or GERB12

- [GERB05F      **Literature of the Baroque and Enlightenment]**  
**Course not offered in 1974-75.**  
*Prerequisite:* (GERA01) or GERA11  
*Corequisite:* GERB04

- ✓GERB06S      **History of German**  
A historical view of the German language from its beginnings within the Indo-European group to the present. Special attention will be given to the three main historical eras of the language and to the linguistic phenomena which serve to demarcate the eras from one another. *J.D. Woods.*  
*Prerequisite:* Grade 13 German or GERA10

- ✓GERB10S      **Introductory Seminar on German Literature**  
An introduction to the techniques of literary analysis, applied to representative texts of the eighteenth, nineteenth and twentieth centuries. *H. Wittmann.*  
*Prerequisite:* Grade 13 German or GERA10  
*Corequisite:* GERA11

- [GERB11Y      **Classicism]**  
**Course not offered in 1974-75.**  
*Prerequisite:* (GERA01) or GERA11  
*Corequisite:* GERB04

- ✓GERB12Y      **Literature of "Sturm und Drang" and Romanticism**  
The early dramatic and poetic writings of Goethe and Schiller, e.g. *Goetz Von Berlichingen* and *Die Räuber*, will be studied along with works by authors such as Lenz, Klinger, *et al.* The themes and forms first emerging in the *Sturm und Drang* will be shown to find renewed and somewhat altered expressions in the critical deliberations of the Schlegel brothers and their friends, as well as in the poetry and prose of such writers as Novalis, Tieck, Brentano, and Eichendorff. *H. Ohlendorf.*  
*Prerequisite:* (GERA01) or GERA11  
*Corequisite:* GERB04

- ✓GERB15S      **Nineteenth Century Prose**  
A study of novellas by Storm, Droste-Hülshoff, E.T.A. Hoffmann, Keller, Fontane, and Hauptmann, among others. *H. Wittmann.*  
*Prerequisite:* (GERA01) or GERA11  
*Corequisite:* GERB04

- ✓GERB16F      **Nineteenth Century Drama and Poetry**  
The development of drama from Büchner to Hauptmann, including Grabbe, Grillparzer, and Hebbel. The poetry of the late Romanticists, as well as some of the above mentioned authors, Heine and Mörike. *H. Ohlendorf.*  
*Prerequisite:* (GERA01) or GERA11  
*Corequisite:* GERB04

- ✓GERB17Y      **The German Novel from Goethe to Grass**  
A study of major novels of Goethe, Stifter, Keller, Th. Mann, Hesse, Musil, Grass, and others read in English. (This course does not count towards fulfillment of specialist requirements.)  
*W. Tefrenhardt.*
- ✓GERC01F      **Supervised Reading**  
✓GERC02F      *Prerequisites:* (GERA01) or GERA11; GERB04  
✓GERC06F
- ✓GERC03S      **Supervised Reading**  
✓GERC05S      *Prerequisites:* (GERA01) or GERA11; GERB04  
✓GERC07S
- ✓GERC04H      **Stylistics**      2T: TR3  
A study of expository and creative writing, with analysis of texts. *H. Ohlendorf.*  
*Prerequisites:* GERA01 or GERA11; GERB04  
*Corequisites:* GERB02; GERB03; GERB15; GERB16, GERB12; GERB11

## History

History is a Humanities discipline which contributes to a fuller understanding of the present by the examination of the past. History is also related to the Social Sciences, in which findings depend on precise evaluation of evidence. The study of History, therefore, can play a part in a large number of interdisciplinary programmes.

The History programme combines a variety of approaches and teaching methods in order to satisfy a number of purposes. Comprehensive courses (HISA01-HISB09) both provide a foundation in their areas and serve as preparation for more detailed studies. In advanced courses (HISB10-HISC99) students investigate more specific areas or periods or problems. C-level seminars require students to make close and thorough studies of primary sources and other evidence and to present their findings in discussions and in a major paper.

Students are strongly advised to enrol in HISA01 early in their academic programmes and to enrol in no more than two C-level courses or their equivalent in any one academic year.

Students who wish to specialize in History should consult the "Specialist Programmes" Section of this *Calendar* and should consult with members of the faculty as early as possible in order to establish coherence in their studies.

- ✓HISA01Y      **The European World: An Introduction to History**      2L: TR12, IT  
A survey of European society from the Middle Ages to the present. This course will examine major trends in politics, economy, society and thought, and involves readings from selected primary and secondary sources. *M. Eksteins; J.L. Pearl.*

- ✓HISB01Y      **British History Since 1785**      2L: T10R9, IT  
An examination of the political, social, economic and religious forces which transformed an aristocratic society into an industrial power which subsequently declined. *J.P.B. Kenyon.*
- ✓HISB03Y      **History of the United States**      2L: TR1, IT  
Major themes from the Revolution to the present, including independence, political reorganization, political parties, territorial expansion, nationalism and sectionalism, reform movements, the slavery and civil rights questions, the response to industrialization, progressivism and the United States as a world power. *A.N. Sheps; W.M. Dick.*
- ✓HISB05F      **Canadian History to 1867**      2L: T2R11, IT  
Exploration and settlement; the institutions and life of New France; the British Conquest and its results; the impact of the American Revolution on British North America; development of the British colonies in North America; the confederation movement. *J.S. Moir.*
- ✓HISB06S      **Canadian History Since Confederation**      2L: T2R11, IT  
A survey of Canadian political, economic and social history since 1867, with particular emphasis upon the first fifty years. *I.R. Robertson.*
- ✓HISB07Y      **Russia From the Ninth Century to the Present**      2L: MW10, IT: F10  
The Russian people, state and culture, with emphasis on major institutional social and ideological changes. *E.W. Dowler.*
- HISB13Y      **European Urban History**  
**Course offered in only the Summer Day Session, 1974.**  
This seminar will examine the city as a historical institution from the rise of the mediaeval town to the city of the industrial age. Emphasis will be upon social and intellectual factors, though other areas such as urban planning and architecture will be discussed. *J.L. Pearl.*  
*Prerequisite:* HISA01
- ✓HISB14Y      **Society in Early Modern Europe, 1550-1800**  
The evolution of European social classes and their cultures, from feudalism to the French Revolution. *J.L. Pearl.*  
*Prerequisite:* HISA01
- ✓HISB15Y      **The European Left, 1789-1917**  
The changing concept of the Left from the radical democracy of the late eighteenth century to the various forms of socialism in the early twentieth. The course will study both the leaders and the led; ideas and institutions on the one hand, and the behaviour of the "lower classes" on the other. *W.M. Dick.*  
*Exclusions:* (HISC15); (PHLB15); (PHLB52)  
*Prerequisite:* HISA01

✓HISB17Y

**Germany in the Nineteenth and Twentieth Centuries**

A thematic treatment of German history from the end of the Holy Roman Empire to the present, concentrating on social, economic, and cultural interpretations of Germany's political experience. *M. Eksteins.*

*Prerequisite:* HISA01

✓HISB21F

**Frontier Communities in the British Empire-Commonwealth**

A comparative study of the influence of frontiers on the development of new nations. Major issues such as settlement, class structure, race relations, democracy and nationalism, and relations with the metropolitan power, are considered.

*J.P.B. Kenyon.*

*Exclusion:* (HISB19)

*Prerequisite:* HISB01

✓HISB22S

**British Imperialism in Asia and Africa**

The impact of imperialism on the non-European world; the motives behind British imperialism; the problems of administration; the transfer of power; neo-colonialism. *J.P.B. Kenyon.*

*Exclusion:* (HISB19)

*Prerequisite:* HISB01

✓HISB27Y

**Europe, 400-1100**

The breakdown of the Roman Empire and the reconstruction of society in the early Middle Ages, with emphasis on the development and interaction of social and political structures. The focus is on Western Europe, but attention is also paid to the Byzantine Empire, for purposes of comparison. The course will emphasize close study of the primary sources for the period; these sources will be read in translation. *J.H. Corbett.*

✓HISB31Y

**The South before the Civil War**

2L: R9-11, 2T: T3-5

Social structure and social conflict in the old South, the development of southern culture; the relationship between ideology and institutions. Slavery as a social and economic system; the political economy and practices of the South; and the growth of southern nationalism and separatism from the colonial period to the Confederacy. *A.N. Sheps.*

*Prerequisite:* HISB03

✓HISB35Y

**The American Response to Industrialization, 1870-1970**

How a nation dedicated to equality and individualism responds to the problems created by large scale industrial organization. Why the "left" failed; the uniqueness of American labor history; the pattern of American reform; and implications of industrial capitalism for foreign policy are among the topics to be considered. *W.M. Dick.*

*Prerequisite:* HISB03

HISB43Y

**Ontario History, the Nineteenth Century**

**Course offered in only the Evening Session, 1974-75.**

The land; transportation; religion; economics; social issues; political parties; pioneers and immigrants; forces of international commerce and finance; cultural and religious developments. *W.A. McKay.*

*Prerequisites:* HISB05; HISB06

✓HISB46F

**The Maritime Region Before Confederation**

The French regime; British settlement; responses to the American Revolution; colonial economies and social structures; struggles for responsible government; religious and ethnic tensions; intellectual and literary developments; and the advent and significance of Confederation. *I.R. Robertson.*

*Prerequisite:* HISB05

✓HISB47S

**Dissenting and Reform Movements in Post-Confederation Canada**

An investigation of farmer, labour and socialist movements since Confederation, with emphasis upon the twentieth century. *I.R. Robertson.*

*Prerequisite:* HISB06

✓HISC01F

✓HISC02S

**Independent Study**

*Prerequisite:* At least one B-level course in History; permission of instructor to be obtained in the previous term, by 15 April for HISC01F and by 1 December for HISC02S

[HISC11Y

**Western Europe in the 17th Century]**

**Course not offered in 1974-75.**

*Prerequisites:* HISA01; one B-level course in History

✓HISC12F

**The Witchcraft Crisis in Early Modern Europe 1500-1700**

This seminar will attempt to discover the nature of witchcraft and why it was perceived so acutely in this period. Limited enrolment: 20. *J.L. Pearl.*

*Prerequisite:* At least one B-level course in History

✓HISC13S

**The Scientific Revolution, 1550-1700**

This seminar traces the developments in Science from Copernicus to Newton, as well as the scientific academies. Limited enrolment: 20. *J.L. Pearl.*

*Prerequisite:* At least one B-level course in History

✓HISC17Y

**European Society and Culture between the World Wars**

An investigation of the impact of war, technology, economics, and totalitarianism on the social condition and mind of European man. A reading knowledge of one or more foreign languages, although not indispensable, would be very helpful. Limited enrolment: 30. *M. Eksteins.*

*Prerequisites:* HISA01; one B-level course in History

- HISC21Y**      **Urbanization and Social Change in Nineteenth Century England**  
 A study of the new social environment created by the growth of cities in an industrial community. *J.P.B. Kenyon.*  
*Prerequisite:* HISB01
- [HISC22Y**      **Religion and English Society, 1750-1900]**  
**Course not offered in 1974-75.**  
*Prerequisite:* HISB01
- HISC32Y**      **The American Colonies, The British Empire, and the American Revolution**  
 A seminar investigating the political, social, economic and cultural life of the American colonies in relation to the rest of the British Empire; the causes and course of the American Revolution, and its significance for the U.S., Canada and Europe. Limited enrolment: 15. *A.N. Sheps.*  
*Prerequisite:* HISB03 or HISB01
- [HISC33Y**      **American Society and Thought Before the Civil War]**  
**Course not offered in 1974-75.**  
*Exclusion:* (HISB33)  
*Prerequisite:* HISB03
- HISC41F**      **Old Huronia**  
 Political, social, religious and economic life of the Huron Indians and the interaction of Huron and European cultures. Limited Enrolment: 15. *J.S. Moir.*  
*Exclusions:* HISB41  
*Prerequisite:* HISB05  
*Corequisite:* Field trip to be arranged
- HISC42F**      **Church-State Relations in Canada**  
**Same course as HISC42S. Course offered in only the Winter Evening Session in Oshawa.**  
*Exclusion:* HISB42  
*Prerequisite:* HISB05
- HISC42S**      **Church-State Relations in Canada**  
 A study of the connection of church and state in such areas as land endowment, education, legal establishment and social issues. Limited enrolment: 15. *J.S. Moir.*  
*Exclusions:* HISB42  
*Prerequisite:* HISB05
- HISC45Y**      **Canadian Intellectual History**  
 This seminar will focus upon the following themes in Canadian social and political thought: the intellectual assumptions apparent in contemporary discussion of Confederation; native Canadian imperialism; continentalism; autonomism; French-

Canadian nationalism; the social role of religion; the rural myth; the impact of industrialization and urbanization; historiography; and the development of Canadian conservative and socialist thought. The main sources will be the writings of journalists, clergymen, academics, labour activists, novelists, politicians, farmers' spokesmen, historians, and satirists. Limited enrolment: 15. *I.R. Robertson.*

*Exclusion:* HISB45

*Prerequisites:* HISB05; HISB06

## Humanities

The Humanities are concerned with man's reflection on the human condition, the development and communication of his thought, and with the creation and enjoyment of the beautiful. They are thus an integral part of liberal education.

Courses in the Humanities are offered by the various disciplines which comprise the Humanities Division. However, the student who also wishes to explore the Humanities outside the traditional disciplinary framework is encouraged to consider the courses listed below, which provide a means of doing so. For senior students, the Individual Study Year provides a challenging alternative to a conventional programme of study. Most of the offerings listed here are unique to Scarborough College and reflect the particular interests of its students and faculty.

### HUMA01Y

#### Prologue\*

2T: M4-6

Twenty books of central importance in Western civilization will be read. This course will have no formal lectures or time-tables; students may complete the readings at any time. A comprehensive examination will be given at the completion of each subset of ten books; however, the student may submit a request to sit these examinations at any time before the end of the annual examination period. The examination will stress the student's ability to relate the books in his own way, rather than to remember minute aspects of plot and character. At weekly or bi-weekly informal sessions guest hosts will lead a discussion or present tapes, films, slides, etc., concerning some of the books. Texts subject to change; consult with coordinators: *The Bible* (in part); Homer, *The Odyssey*; Sophocles, *Oedipus Rex*; Plato, *Last Days of Socrates*; Aristotle, *Poetics*; Plutarch, *Lives*; Augustine, *Confessions*; Dante, *Inferno*; Machiavelli, *The Prince*; Erasmus, *In Praise of Folly*, *El Cid*; Rabelais, *Gargantua and Pantagruel*; Bunyan, *Pilgrim's Progress*; Vasari, *Lives of the Artists*; Harvey, *Motion of the Heart and Blood*; Goethe, *Faust I*; Marx, *Capital I*; Darwin, *Origin of Species*; Freud, *Interpretation of Dreams*; Wagner, *The Ring of the Nibelungen*. *W.C. Graham; J.R. Warden.*

\*"What's past is prologue" — Shakespeare, *Tempest II*, i.

- [HUMB01S      **Emergence of Modern Prose]**  
**Course not offered in 1974-75.**  
*Exclusion:* (LITB01)
- [HUMB02F      **Guilt and Conscience in Post-World War II Literature]**  
**Course not offered in 1974-75.**  
*Exclusion:* (LITB02)
- ✓HUMB05F      **Fantasy in Narnia and Middle Earth**  
 An examination of the novels of William Morris, Lord Dunsany, George MacDonald, C.S. Lewis, Charles Williams, and J.R.R. Tolkien with a view towards the role of the fantasy novel as a reflection of the modern world and as an escape from it. *R.I. Binnick.*
- ✓HUMB07S      **"The Ulysses Factor"**  
 The literature of exploration: a study of a recurring motif — the "Odyssey" — in Greek, Latin, Medieval and Modern literature, based on the Homeric archetype, Ulysses. (To include reading of J.R.L. Anderson's *The Ulysses Factor*.)  
*I.R. McDonald.*
- [HUMB08F      **Orpheus: The Quest for Beauty]**  
**Course not offered in 1974-75.**
- ✓HUMB10F      **Utopia: From More to Huxley**  
 The study of major schemes for the total improvement of mankind and the solution to radical evils in society. The millenarian tradition; authoritarian and libertarian utopias; anti-utopias; and experiments in communal life. Practical applications and consequences of utopian thought.  
*W.C. Graham.*
- [HUMB11Y      **The Art of Satire]**  
**Course not offered in 1974-75.**  
*Prerequisite:* One previous course in literature
- [HUMB15Y      **Nineteenth Century Poetry: Aestheticism]**  
**Course not offered in 1974-75.**  
*Exclusion:* SPAB33  
*Prerequisite:* Reading knowledge of Spanish or French
- ✓HUMB20Y      **Primitive Christian Literature and Myth**  
 The course goals are: to introduce the New Testament literature; to set the New Testament in the context of primitive Christianity (AD 30 — 100); to describe the early church against its environment in the Jewish and Hellenistic world; and to assess the presence of myth in, and the impact of myth upon, early Christian thinking. *G.P. Richardson.*
- [HUMB21S      **Love and Friendship: The Views of the Greeks and Romans]**  
**Course not offered in 1974-75.**  
*Exclusion:* (HUMB06)

- ✓HUMB22F      **The Age of Pericles**  
 An exploration of the golden age of Athens (second half of fifth century B.C.) through its literature and art. *M.C. Shaw.*  
*Exclusion:* (FARB23)
- [HUMB23S      **The Age of Augustus: Rome in Transition from Republic to Principate]**  
**Course not offered in 1974-75.**  
*Exclusion:* HUMB08 (1971-72)
- ✓HUMB24S      **The Age of Nero**  
 Glory and decadence: a close look at Nero's Rome. Society and culture under the Roman Peace as reflected in its literature and institutions; Nero as builder and planner; the conflict of religions; the growth of protest. Readings will include: Tacitus, *Annals* 13-16; Petronius, *Satyricon*; Lucan, *Pharsalia* (excerpts); Seneca, *Two Tragedies, Consolatio ad Marciam; Apocolocyntosis; Octavia*; Persius, *Satires*.  
*I.R. McDonald.*
- [HUMB25F      **The Age of Homer]**  
**Course not offered in 1974-75.**
- ✓HUMB26S      **Fantasy Literature II**  
 A continuation of HUMB05 with emphasis on the themes and goals of fantasy as reflected in sub-genres of the field: the Utopian novel (Wright's *Islandia*), the anti-Utopian novel (de Mille's *Strange Manuscript*), the paranoid fantasies of lovecraft, the Gothic romance, and others. *R.I. Binnick.*  
*Exclusion:* HUMB25 (1971-72)  
*Prerequisite:* HUMB05
- [HUMB41F      **Women in Ancient Greece]**  
**Course not offered in 1974-75.**
- [HUMB42F      **Images of Women in French Literature]**  
**Course not offered in 1974-75.**
- [HUMB43S      **Women's Consciousness in French Literature]**  
**Course not offered in 1974-75.**  
*Prerequisite:* HUMB42 is recommended but not required
- ✓HUMB61H      **Society and Culture in Latin America**  
 A view of Latin America in its social and political life as well as its literary and cultural expression from the nineteenth century to the present. Eight major social and political issues and eight literary and artistic themes will be chosen and each one will be discussed in a series of three sessions.  
*J.L. deLannoy; M.J. Maillard.*
- [HUMB62F      **Topics in Contemporary Latin-American Literature in Translation]**  
**Course not offered in 1974-75.**

- [HUMB71Y      **Introduction to Cinema]**  
**Course not offered in 1974-75.**  
*Exclusion:* (HUMB09)  
*Prerequisite:* One previous course in Literature or Fine Art
- [HUMB72F      **Art, Politics & Revolution]**  
**Course not offered in 1974-75.**  
*Exclusion:* (HUMB12)
- [HUMB73Y      **Experience, Communication and Language]**  
**Course not offered in 1974-75.**  
*Exclusion:* (HUMB03)
- [HUMB74Y      **Contemporary Cultures in Question]**  
**Course not offered in 1974-75.**  
*Exclusion:* (HUMB13)
- [HUMB90Y      **Creative Writing: An Introduction]**  
**Course not offered in 1974-75.**
- ✓HUMC01S      **Lyric Poetry of the Middle Ages in the Mediterranean Area**  
A comparative analysis of one or several representative texts or collections of texts from Hispano-Arabic, Galician-Portuguese, Castilian, Provençal, Catalán, Italian and Sicilian sources; supplementary lectures concerning Classical and Mediaeval Rhetorics and Arts of Poetry, versification, metrics and basic Mediaeval rhetorical terminology. Given in English. The student preferably should be in the third or fourth year of full time study (or equivalent) and a Literature student, with possibly Latin and/or one language other than English. Students are advised to consult with the instructor before registration. *R.J. Barta.*  
*Prerequisite:* A B-level course in either a Romance literature or English literature
- [HUMC10H      **Humanities Seminar]**  
**Course not offered in 1974-75.**  
*Prerequisite:* Any 10 courses
- ✓HUMC13Y      **A Seminar in Literary Theory and Practice**  
**Same course as ENG13Y.**  
A study of critical theories from Plato and Aristotle to Eliot and Northrop Frye. Major literary works from different periods will be read, and attention given to the question of whether critical theory is able to account for the scope and variety of these works. Limited Enrolment: 30. *E.P. Vicari; J.R. Warden.*  
*Exclusion:* ENG13; (HUMC02)  
*Prerequisite:* One B-level Literature Course; two other Literature courses

✓HUMC95-  
HUMC99Y

**Individual Study Year**

An opportunity for advanced students to spend a year following their own studies under the supervision of a committee of faculty drawn from the various disciplines within the Division of Humanities. Students will be expected to produce major papers or projects in their chosen areas, and will take an oral examination at the end of the year before an appropriate board of faculty. Those interested in enrolling should contact Professor I.R. McDonald. [For a year of individual study, students *must* enrol in all five courses. Those who wish to take Individual Studies or Supervised Reading within a conventional programme of study should consult the following listings: LATB30-39, LATC01/2, FREC02/3, FREC02/3, HISC01/2, ITAB50-59, LINC01/2, PHLB95-99, SPAC02/3.]  
*Prerequisite:* Permission of the Division of Humanities Committee on Individual Study

**Italian**

Scarborough College offers a wide range of courses on the language and literature of Italy from the Middle Ages to the present. For students who have no previous training in the language, the study of Italian begins at the elementary level with ITAA01. Students with Grade 13 Italian (or equivalent) take ITAB02 which is the prerequisite for literature courses as well as for the more advanced language courses. In both courses, emphasis is given to the spoken and written aspects of the language.

Courses offered by other disciplines may prove directly valuable to the student in Italian as adjuncts to his plan of study or as an enrichment of his total programme. Similarly, certain aspects of Italian literature complement other areas of interest, such as Fine Art, Music, and English, French, Latin, or Spanish literature.

Students enrolled in Italian, some of whom may later wish to enrol in the Faculty of Education or to continue their studies at the graduate level, are strongly urged to confer with their instructors at the earliest possible date in order to establish a comprehensive and coherent plan of study.

✓ITAA01Y

**Introductory Italian**

**4L: M10W10F11-1/M12W3R11-1, IP:R10/R11**

Elements of Italian grammar, with attention given to oral practice in classroom and laboratory. Short contemporary texts will be studied. *G. Katz.*

*Exclusion:* (ITA001)

✓ITAA02F

**Conversation I**

**3L: MWF1**

A graduated and controlled approach to spoken Italian. Topics selected for discussion will aim at a practical application of the language. *E. Costa.*

✓ITAA03S	<b>Conversation II</b> A continuation of ITAA02. <i>A. Franceschetti</i> . <i>Prerequisite:</i> ITAA01 or ITAA02 or permission of instructor	3L: MWF1
✓ITAB02F	<b>Intermediate Italian</b> Intensive review of the grammar, with drills, exercises and compositions. <i>G. Katz</i> . <i>Prerequisite:</i> Grade 13 Italian or ITAA01 or equivalent	
✓ITAB03F	<b>Intermediate Conversation</b> The aim is to enable the student to acquire a good working knowledge of the spoken language. Special attention will be given to idioms and special constructions. <i>E. Costa</i> . <i>Exclusion:</i> (ITA003) <i>Prerequisite:</i> (ITA002) or ITAB02	
✓ITAB04S	<b>Advanced Composition</b> Study and analysis of selected texts, translations and compositions. <i>G. Katz</i> . <i>Exclusion:</i> (ITA004)	
✓ITAB05S	<b>Practical Translation</b> Practice in translating from English to Italian and from Italian to English. Different examples of translation will be analysed, and texts in both languages studied comparatively in terms of literary technique and style of expression. <i>S. Mittler</i> . <i>Prerequisite:</i> (ITA002) or ITAB02	
✓ITAB12S	<b>The Twentieth Century Novel</b> A survey of themes and trends in the novel, with attention given to the social, political, and intellectual conditions of the Fascist and post-Fascist era. <i>S. Mittler</i> . <i>Prerequisite:</i> (ITA002) or ITAB02	
✓ITAB13S	<b>Modern Italian Poetry</b> An examination of the major Italian poets from D'Annunzio to the present. Analysis and discussion of works representative of the significant trends and movements of this century leading up to Ungaretti, Montale and Quasimodo. New directions and experiments in the Fifties and Sixties. <i>E. Costa</i> . <i>Prerequisite:</i> (ITA002) or ITAB02	
✓ITAB15F	<b>Pirandello and the Italian Theatre of his Time</b> Pirandello's theatrical development seen against the background of contemporary currents and themes in Italian theatre. <i>G. Katz</i> . <i>Prerequisite:</i> (ITA002) or ITAB02	
✓ITAB16S	<b>Italian Theatre from 1930 to the Present</b> A survey of themes and techniques in twentieth century Italian theatre after Pirandello, with special emphasis on the works of Betti, Fabbri and De Filippo. <i>G. Katz</i> . <i>Prerequisite:</i> (ITA002) or ITAB02	

✓ITAB21Y	<b>Introduction to Italian Literature</b> A survey of Italian literature, from the Middle Ages to the present. <i>E. Costa</i> ; <i>A. Franceschetti</i> . <i>Prerequisite:</i> (ITA002) or ITAB02	
✓ITAB31Y	<b>Dante and Mediaeval Culture</b> Introduction to Mediaeval Italian literature with special reference to Dante. <i>E. Costa</i> . <i>Prerequisite:</i> (ITA002) or ITAB02	
[ITAB32F]	<b>Petrarch and Boccaccio</b> Course not offered in 1974-75. <i>Prerequisite:</i> (ITA002) or ITAB02	
[ITAB33F]	<b>Aspects of Italian Thought in the Fifteenth and Sixteenth Centuries]</b> Course not offered in 1974-75. <i>Prerequisite:</i> (ITA002) or ITAB02	
[ITAB34S]	<b>The Renaissance Epic]</b> Course not offered in 1974-75. <i>Prerequisite:</i> (ITA002) or ITAB02	
[ITAB36F]	<b>Lyric Poetry of the Renaissance (from Poliziano to Michelangelo)]</b> Course not offered in 1974-75. <i>Prerequisite:</i> (ITA002) or ITAB02	
[ITAB40S]	<b>Reformation and Baroque Literature]</b> Course not offered in 1973-74. <i>Prerequisite:</i> (ITA002) or ITAB02	
✓ITAB41S	<b>Italian Eighteenth Century Theatre</b> The development of dramatic theory in eighteenth century Italy. Reading and analysis of selected plays by Metastasio, Goldoni and Alfieri. <i>A. Franceschetti</i> . <i>Prerequisite:</i> (ITA002) or ITAB02	
[ITAB43F]	<b>Foscolo and Leopardi]</b> Course not offered in 1974-75. <i>Prerequisite:</i> (ITA002) or ITAB02	
[ITAB44S]	<b>Manzoni]</b> Course not offered in 1974-75. <i>Prerequisite:</i> (ITA002) or ITAB02	
✓ITAB45F	<b>The Nineteenth Century Italian Novel in Transition</b> Verga's use of VERISMO to translate new social and political reality; Fogazzaro's version of bourgeois life; D'Annunzio's esthetics and cult of the "superuomo"; and Svevo's analysis of the distortion of memory. <i>S. Mittler</i> . <i>Prerequisite:</i> (ITA002) or ITAB02	



✓ ITAB50F	Supervised Reading
ITAB51F	<i>Prerequisite:</i> (ITA002) or ITAB02
ITAB52F	<i>Corequisite:</i> ITAB21 or ITAB31
ITAB53F	
ITAB54F	
ITAB55S	Supervised Reading
✓ ITAB56S	<i>Prerequisite:</i> (ITA002) or ITAB02
ITAB57S	<i>Corequisite:</i> ITAB21 or ITAB31
ITAB58S	
✓ ITAB59S	

## Linguistics

Linguistics is the study of language as a phenomenon of human behaviour. As the essence of language is speech and the psychological realities underlying it, the courses offered may be grouped as follows: the description of the sounds and forms of language (LINA02, LINA03, LINB01, LINB02 and LINB03); the history of the sounds and forms of language (LINB04); social and cultural functions (LINB07); psychology of language (LINB05).

Students interested in Linguistics should also refer to:

ANTB09S	History of Ethnological Theory
GRKA01Y	Introductory Greek
LATA01Y	Introductory Latin
ENGB02Y	Chaucer
[FREB46F	Principles of Lexicology and their Application to Modern French]
FREB48Y	Theoretical and Practical Phonetics
MATA56F	Computer Programming
or	
MATA58F	Introduction to Computing
MATA66S	Programming Applications
or	
MATB68S	Problem Solving with Computers
[PHLB80F	Philosophy of Language]
PSYA01Y	Introduction to Psychology
PSYB20F/S	Developmental Psychology
PSYB50F	Sensation and Perception
PSYB60F	Brain Mechanisms and Behaviour
SOCA01Y	Introduction to Sociology
SPAB04F	Phonetics

✓ LINA02F	General Linguistics I	3T:MTR10/MTR12/MTR2
	An introduction to the study of language, with reference to topics such as: what is language? animal communication, the	

psychology and neurology of language, meaning, the sounds and development of language. *J.D. Woods; D.M. James.*

✓ LINA02S	General Linguistics I	3T:MTR10
	Same course as LINA02F. <i>D.M. James.</i>	
✓ LINA03S	General Linguistics II	3T:M11T12R12/MTR2
	Various methods of linguistic analysis will be discussed as well as the sound and form systems which make up language. <i>R.I. Binnick, D.M. James.</i>	
	<i>Prerequisite:</i> LINA02	
✓ LINB01F	Bases of Linguistic Theory	
	An examination of the principal approaches to linguistic analysis. Several different contemporary theories will be studied. The function of models in Linguistics; the notion of Linguistics as a "science". <i>R.I. Binnick.</i>	
	<i>Prerequisites:</i> (LINA01) or LINA02; LINA03	
✓ LINB02F	Phonology	
	The sounds of language and their analysis; theoretical approaches to the sound patterns of various languages. Synchronic and diachronic views of sound shift and sound change. <i>J.D. Woods.</i>	
	<i>Prerequisites:</i> (LINA01) or LINA02; LINA03	
✓ LINB03F	Syntax	
	Contemporary views of larger linguistic units, their analysis and constitution. Immediate constituent analysis and the transformational-generative approach. <i>D.M. James.</i>	
	<i>Prerequisite:</i> (LINA01) or LINA02; LINA03	
✓ LINB04S	Historical and Comparative Linguistics	
	Language change and language relationships; linguistic typology; language universals. The Indo-European family and other language families. <i>J.D. Woods.</i>	
	<i>Prerequisites:</i> (LINA01) or LINA02	
[LINB05	Psycholinguistics]	
	Course not offered in 1974-75.	
	<i>Prerequisite:</i> (LINA01) or LINA02	
✓ LINB06S	Semantics	
	The study of grammatical and lexical meaning. The interpretation and derivation of lexical information. The nature of ambiguity. <i>D.M. James</i>	
	<i>Prerequisite:</i> LINB03	

- LINB07Y**      **Sociolinguistics**  
The structure and use of language as it relates to social and cultural functions. The application of socio-linguistic research to Canada will comprise approximately half of the year's work. *S. Whalen.*  
*Corequisite:* LINA01 or LINA02 or SOCA01 or SOCA02
- [LINB08S**      **Scripts]**  
**Course not offered in 1974-75.**  
*Prerequisite:* LINA02
- LINB10Y**      **The Structure of Swahili**  
A detailed analysis of Swahili utilizing modern linguistic theories and methods. *J.D. Woods.*  
*Prerequisite:* LINB02  
*Corequisite:* LINB03
- LINC01F**      **Supervised Reading**  
**LINC02S**      *Prerequisite:* At least one B-level course in Linguistics; permission of instructor
- LINC03F**      **Supervised Reading**  
**LINC04S**      *Prerequisite:* At least one B-level course in Linguistics; permission of instructor
- LINC10Y**      **Studies in Syntax and Semantics**  
Topics in Syntactic and Semantic theory. *R.I. Binnick.*  
*Prerequisite:* LINB03

## Mathematics

In all periods of recorded times Mathematics has been part of human culture. Before 500 B.C. the Pythagoreans stated that numbers rule the universe. Plato said that God ever geometrizes and in this century Einstein remarked that it is Mathematics that gives the natural sciences a certain measure of security.

The impulses for mathematical research come from pure creative curiosity, the need to explain and prove to others that something is true, and the need to organize and clarify scientific knowledge. At present mathematical methods are being applied to all fields of knowledge.

The interaction between Mathematics and the other Sciences is and has always been extremely advantageous. Once a physical problem has been described in mathematical terms it is often easier to analyze. In addition mathematical results often guide and stimulate analogous scientific research. On the other hand many

mathematical theories originate in science and find their real importance in application.

Students who plan to specialize in Mathematics are advised to register initially in:

MATA40F	Introduction to Linear Algebra
MATA45S	Linear Algebra I
MATA55Y	Calculus

Students who have a special interest in Computer Science should in addition take:

MATA58F	Introduction to Computing
MATA68S	Problem Solving with Computers

Upon completion of these courses, students who wish to continue with specialization in Mathematics should choose their courses individually in consultation with a faculty member. Normally courses will be chosen from the following selection:

MATB25Y	Geometry
MATB40F	Linear Algebra I
MATB45S	Linear Algebra III
MATB46S	Applied Mathematics and Mechanics
MATB50F	Analysis
MATB51F	Differential Equations I
MATB53S	Numerical Methods
MATB55S	Analysis II
MATB56S	Differential Equations II
MATC46Y	Algebra
MATC50F	Real Analysis I
MATC55S	Real Analysis II
MATC60F	Complex Analysis I
MATC65S	Complex Analysis II

Students who are interested in Computer Science should in addition take:

MATB68F	Programming Languages and Their Applications
MATB73F	Computer Organization
MATB78S	Assembly-Language Programming and Applications

Students who are interested in applications to the Physical Sciences should take:

MATB41F	Techniques of the Calculus of Several Variables I
MATB46S	Applied Mathematics and Mechanics
MATB51F	Differential Equations I
MATB56S	Differential Equations II

Students who are interested in applications to the Social and Natural Sciences should take:

MATB52F	Probability and Statistics I
MATB57S	Probability and Statistics II

Students who have a general interest in Mathematics or Computer Science but who do not wish to specialize in these fields could take:

MATA20F	Nature of Mathematics
MATA25S	Mathematics and Society
MATA22Y	Techniques of Calculus
or	
MATA26Y	Calculus with Linear Algebra
MATA56F	Computer Programming

**✓MATA20F****Nature of Mathematics****2L:R3-5**

A brief introduction to the major branches of mathematics with an emphasis on historical development. Algebra: From digit to the real numbers of Cauchy and Dedekind to "modern" abstract algebra. Geometry: From Euclid to the non-Euclidean geometries of Bolyai, Gauss, Riemann and Lobachevsky, to differential geometry and topology. Analysis: From Descartes to Newton to Cauchy and Fournier. Logic: From Aristotle to Boole to Russell to Goedel. A term paper will be required. *E. Mendelsohn.*

**✓MATA22Y****Techniques of Calculus****2L:M9F11/M10F12, 2T**

Inequalities and absolute values. The real line. The Cartesian Plane. Basic trigonometry. Functions. Limits. Continuity. Derivatives. Extremum problems. Applications to Physics and Economics. Graph sketching. Rolle's Theorem. The Mean Value Theorem. Taylor Series. L'Hospital's rule. Integrals as areas. Indefinite and definite integrals. Elementary transcendental functions. Applications of integration. *P. Keast.*  
*Exclusions:* MATA26; MATA55

*Prerequisite:* One Grade 13 course in Mathematics

**✓MATA25S****Mathematics and Society****2L:R3-5**

Introduction to the nature of applied Mathematics. Topics include statistics, probability, thermodynamics, relativity, econometrics, and game theory. Operations research. The emphasis is on the specific non-mathematical problems which led to the development of a branch of applied Mathematics and how this mathematical approach helped to solve the original problem. A term paper will be required.

*E. Mendelsohn.*

*Prerequisite:* MATA20

**✓MATA26Y****Calculus with Linear Algebra****2L:M9F11/M10F12, 2T**

Inequalities. Absolute value. Functions of a single variable. Limits and continuity. The derivative. Techniques of differentiation. Applications to related rates, extremum problems, and problems in Physics and Economics. Graph sketching, including asymptotic behaviour. Rolle's theorem. Mean value theorem. Taylor's series. L'Hospital's rule. Indefinite and definite integrals. The fundamental theorem. Elementary transcendental functions. Techniques of integration. Applications of integration. Vector spaces. Linear equations. Matrices. Determinants. *J.S. Halperin; T. Callahan.*  
*Exclusions:* MATA22; MATA55

*Prerequisite:* Grade 13 Calculus

**✓MATA40F****Introduction to Linear Algebra****2L:MR2, 2T**

Euclidean spaces. Vectors. Located vectors. Scalar product. Norm. Cross product. Linear geometrical applications in the real 2- and 3-dimensional space. Introduction to an axiomatic

definition of vector spaces. Linear dependence. Definition of basis and dimension. The vector space of  $m \times n$  matrices. Systems of linear equations. *T. Callahan.*

*Prerequisite:* Grade 13 Functions and Relations, or Grade 13 Calculus, or Grade 13 Algebra

**✓MATA45S****Linear Algebra I****2L:MR2, 2T**

Axiomatic definition of vector spaces. Basis and dimension. Direct sum. Multiplication of matrices. Matrices and linear maps. Orthonormal bases. Determinants. Cramer's rule. The inverse of a matrix. The rank of a matrix. Eigenvalues. Geometrical applications. *T. Callahan.*

*Prerequisite:* MATA40

**✓MATA55Y****Calculus****2L:M10F12, 2T**

Continuity. Differentiation. Riemann Integral. Sequences. Series. Taylor Theorem. Introduction to functions of two variables. Emphasis on rigour and proofs. *J.B. Wilker.*

*Exclusions:* MATA22; MATA26

*Prerequisites:* Grade 13 Functions and Relations; Grade 13 Calculus

**✓MATA56F****Computer Programming****2L:MR3, 2T**

Introduction to algorithms, computer organization and computer programming. Emphasis is on learning to programme in a high level language. Various applications of computers will be discussed. (This course is intended for students who want to learn programming for use in their own area of interest.)

*P. Keast.*

*Exclusion:* MATA58

*Prerequisite:* One Grade 13 course in Mathematics

**✓MATA58F****Introduction to Computing****2L:MR3, 2T**

The specification and formulation of algorithms. Introduction to computer organization and assembly language. Programming in a high-level language such as PL/1. Structured programming. Elementary applications. (This course is more intensive than MATA56 and is intended for students who plan to take several courses in the area of Computer Science.)

*W. Enright.*

*Exclusion:* MATA56

*Prerequisite:* Grade 13 Functions and Relations, or Grade 13 Calculus

*Corequisite:* MATA26 or MATA40 or MATA55

**✓MATA66S****Programming Applications****2L:MR3, 2T**

A continuation of MATA56. Practical approaches to solving problems involving numerical computations, statistical

calculations and an introduction to simulations and data processing.

*Exclusions:* MATA68; (MATB58)

✓MATA68S

**Problem Solving with Computers**

2L:MR3, 2T

A continuation of MATA58. The application of computers to various numerical and non-numerical problems. Topics will include numerical methods, simulations, graph theory, data processing and the validity of computer models. *W. Enright.*

*Exclusions:* MATA66; (MATB58)

*Prerequisite:* MATA58 (or MATA56 and permission of instructor)

MATB25Y

**Geometry**

Isometries in Euclidean plane and space. Similarities. Inversion in a circle. The inversive plane. Circle preserving transformations. Non-Euclidean geometry. Projective and affine geometry. Finite geometries. Free completions. The theorems of Desargues and Pappus. Projectivities, homologies, elations. The fundamental theorem of projective geometry.

*E. Mendelsohn.*

*Exclusions:* (MATB30); (MATB35)

*Prerequisite:* MATA45

MATB40F

**Linear Algebra II**

Dual space. Inner product spaces. Orthonormal basis. Reduction of symmetric matrices. Canonical forms. Spectral properties. *R. Delver.*

*Prerequisite:* MATA45

✓MATB41F

**Techniques of the Calculus of Several Variables I**

3L:M2F9-11, IT

Derivatives of vector-valued functions of one or more real variables. Derivatives of vector-valued functions of several variables. Chain rule. Implicit differentiation. Second derivatives. Maxima, minima and saddle points. Lagrange multipliers. Integrals of functions of several variables. Iterated integrals. Differentiation under the integral sign. Transformation of variables. Applications to spherical and cylindrical polar coordinates. The 2- and 3-dimensional versions of Stokes' theorem. *J.S. Halperin.*

*Exclusion:* MATB50

*Prerequisites:* MATA26 or MATA55; MATA45

✓MATB42S

**Techniques of the Calculus of Several Variables II**

3L:M2F9-11, IT

Sequences and series of numbers. Convergence tests. Series of functions. Power series. Taylor series. Fourier series. Convergence of the Fourier series of a twice continuously

differentiable function. Introduction to the General Fourier series of orthogonal functions, the calculus of variations, and to differential equations. *J.S. Halperin.*

*Exclusions:* MATB50; MATB55

*Prerequisite:* MATB41

✓MATB45S

**Linear Algebra III**

Orthogonal, symplectic and hermitian spaces. Isometries. Reflections. Witt's theorem. Isotropic subspaces. The orthogonal group. The general linear group. Tensor products. Exterior algebra. *E.W. Ellers.*

*Prerequisite:* MATB40

✓MATB46S

**Applied Mathematics and Mechanics**

**Same course as PHYB46S.**

Methods of Lagrange and Hamilton. Variational principles. Rigid body motion. Special relativity. Hamilton-Jacobi theory.

*Exclusion:* (PHYB02); PHYB46

*Prerequisites:* MATB50; MATB51; PHYA01 or PHYA02

✓MATB50F

**Analysis**

Partial Derivatives. Implicit differentiation. Extrema of functions with side conditions. Series of functions. Uniform convergence. Limit and derivative under the integral sign. Multiplication, differentiation and integration of series. Power series. The calculus of vector functions. *P.J. Leah.*

*Exclusion:* MATB41

*Prerequisites:* MATA45; MATA55

✓MATB51F

**Differential Equations I**

Some special first order equations. Reduceable second order equations. First order equations of higher degree in algebraic form. Envelopes and singular solutions. Direction field. Orthogonal trajectories. First order equations in normal form. Lipschitz condition. Existence. Uniqueness. Continuous dependence. Second order linear equations.

*Prerequisites:* MATA55; MATA45

*Corequisite:* MATB50

✓MATB52F

**Probability and Statistics I**

3L:M1F1-3

Sample space, random variables, univariate and bivariate distributions. Point and interval estimations. Tests of significance, parametric and non-parametric. Selected applications to Psychology, Sociology, industrial problems, medical research, etc. *A. Rapoport.*

*Exclusions:* PSYB07; (SOSA01)

*Prerequisite:* MATA26 or MATA55

✓MATB53S

**Numerical Methods**

Numerical methods and their implementation on a computer. Solution of linear and non-linear equations. Ill-conditioned

problems and error estimates. Numerical integration and solution of initial value problems for ordinary differential equations. *W. Enright.*

*Prerequisite:* MATA58

*Corequisites:* MATA40; MATA55 or MATA26

✓MATB55S

### Analysis II

The topology of the  $n$ -dimensional Euclidean space. Multiple integrals and transformation of variables. Integration of  $n$ -forms. Exterior calculus. Line integrals, winding number, Green's theorem. Surface integrals and Stokes' theorem. (Mathematical rigour is emphasized.) *P.J. Leah.*

*Exclusion:* MATB41

*Prerequisite:* MATB50

✓MATB56S

### Differential Equations II

Linear differential equations. Power series solutions. Laplace transforms. Boundary value problems. Eigenvalue problems. Calculus of variations or critical points and stability theory.

*Prerequisite:* MATB51

✓MATB57S

### Probability and Statistics II

3L: M1 F1-3

Regression and correlation. Analysis of variance. Distributions of functions of random variables. Characteristic functions. Sufficiency. Efficiency. Completeness. Likelihood estimates. Selected applications to Psychology, Sociology, industrial problems and medical research. *A. Rapoport.*

*Prerequisite:* MATB52

✓MATB68F

### Programming Languages and Their Applications

Programming languages and applications. The syntax and semantics of various programming languages, including both algebraic and symbol manipulation languages. Data structures. Numerical and non-numerical applications.

*Prerequisite:* MATA58 or (MATB58)

✓MATB73F

### Computer Organization

Computer structure, machine language, instruction execution, addressing techniques and digital representation of data. Computer system organization. Memory storage devices. Survey of logic design and microprogramming. Some case studies of actual machines to illustrate various computer architectures.

*Prerequisite:* MATA58 or (MATB58)

[MATB78S

### Assembly-Language Programming and Applications]

Course not offered in 1974-75.

*Prerequisite:* MATA58 or (MATB58)

✓MATB80F

### Symbolic Logic I

Same course as PHLB50F. An introduction to formal techniques of reasoning: sentential logic, quantification theory, and probability theory. *J.H. Sobel.*

*Exclusions:* PHLB50; (PHLB53)

[MATB81S

### Symbolic Logic II]

Same course as PHLB51S. Course not offered in 1974-75.

*Exclusions:* (PHLB31); PHLB51; (PHLB82); PHLC70

*Prerequisite:* MATB80 or PHLB50 or any two courses in Mathematics

✓MATC46Y

### Algebra

The structure of groups, rings, fields. Integers, congruence, factorization. Rational, real and complex fields. Euclidean domains, polynomials, factorization and quotient fields, field extensions and finite fields, finite groups, Galois theory.

*Exclusions:* (MATC40); (MATC45)

*Prerequisites:* MATB45; one other B-level full course (or equivalent) in Mathematics

✓MATC50F

### Real Analysis I

Algebra of sets. Mappings. Schröder-Bernstein theorem. Axiom of choice. Metric spaces. Compactness. Completeness. Separability. Baire's theorem. Arzela-Ascoli theorem. Hausdorff spaces. Local compactness. Tychonov's theorem. *P.J. Leah.*

*Prerequisite:* MATB55

✓MATC55S

### Real Analysis II

Lebesgue integral in  $\mathbb{R}$  and  $\mathbb{R}^k$ . Borel sets. Measurable sets. Lebesgue bounded convergence theorem. Fubini theorem. Hilbert and Banach spaces. Dual spaces. Linear mappings. Hahn-Banach theorem. Closed graph theorem. Applications to  $L^2$  and  $L^p$ . Compact operators. Fredholm operators. Fredholm alternative. Spectral theory of compact operators. Applications to integral equations and to the Dirichlet problem.

*Prerequisite:* MATC50

✓MATC60F

### Complex Analysis I

Complex plane. Riemann sphere. Möbius transformations. Holomorphic functions. Cauchy's integral formula. Taylor and Laurent expansions. Residue calculus. *J.B. Wilker.*

*Prerequisite:* MATB55

✓MATC65S

### Complex Analysis II

Harmonic functions. Dirichlet problem. Analytic continuation. Normal families and Riemann mapping theorem. *J.B. Wilker.*

*Prerequisite:* MATC60

## Music

Music is considered as one of the liberal arts. The approach to musical style is historical and humanistic, and these courses differ in some respects from those designed for composers and performers. Performing skills are not required for this kind of study. It is expected that additional courses will be added in succeeding years.

- ✓MUSA01Y      **Introduction to Music**      2L: TF3, 2T: R1R3  
A study of the basic materials, principles of design, and cultural significance of representative works of Western and non-Western music, including popular music from the Middle Ages to the present. No musical training is required.  
*T.J. McGee.*  
*Exclusion:* (HUMA51)
- ✓MUSB01S      **Music of the Twentieth Century**  
Tracing the various trends of music in the present century from Debussy to the most recent electronic and multimedia presentation. Concentration will be on particularly influential composers as well as a look at the influence of jazz. *T.J. McGee*  
*Prerequisite:* MUSA01 or (HUMA51)
- ✓MUSB02F      **Haydn, Mozart and Beethoven**  
A comparative study of the three classic masters involving all categories of their work. The music will be studied in connection with the general cultural and political developments of the time. *T.J. McGee.*  
*Prerequisite:* MUSA01 or (HUMA51)

## Natural Science

Students interested in Natural Science should also refer to:

- ASTA03Y      Astronomy: Its History and Significance  
MATA20F      Nature of Mathematics  
MATA25S      Mathematics and Society

- ✓NSCA01Y      **Introduction to Natural Science: Physical Science**      2L: TF1, IT: F10/F11  
A primarily non-mathematical treatment of the basic and applied Physical Sciences, designed both for students who are not specializing in Science and for Science students who wish to develop a broader view of their subject than it is possible to provide in specialized courses. Basic questions discussed

include: scientific history and scientific method; pseudo-sciences; principles of mechanics; relativity theory; quantum mechanics; symmetry and physical laws; and the statistical character of natural phenomena. Applications include: studies of speed and size; cybernetics; space technology; magnetic and electric phenomena; nuclear power; the physics of colour and the physics of music; and some of the philosophic and social implications of modern science. Considerable use is made of films and demonstrations to supplement the lectures and much of the tutorial time is devoted to discussion. Reading and essay writing are an important part of the course. *H.C. Corben.*

- ✓NSCA02Y      **Introduction to Natural Science: The Biological Sciences**      2L: T9R10, IT (every third week)  
This course is designed for students with no formal background in Biology, and in particular for those whose main interests are not in the Natural Sciences. It aims to present an integrated view of the biological basis of individuality, social structure and ecological systems. An understanding of problems of environment, resources, population and race is based on a core of biological knowledge. This will be examined in three central categories: Man, inheritance and society; population and resources; the cybernetics of ecosystems. Reading and essay writing will be an integral part of the course, supplemented by lectures and discussion periods.  
*J.C. Ritchie.*
- [NSCA03Y      **Quaternary Environments and Man]**  
Course not offered in 1974-75.
- [NSCB01S      **Behaviour Biology: Seminar in Psychobiology]**  
Course not offered in 1974-75.

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✓NSC B03S      COMMUNICATIONS I

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## Philosophy

Philosophy consists of a critical analysis of the ideas and concepts fundamental to such major areas of human concern as science, society, religion, morality and art. Its aim is to scrutinize the basic notions in these areas, to clarify the principles on which they are founded, to evaluate such beliefs for their soundness, and to explore their implications for a comprehensive understanding of the world in which we live. Philosophy originates in the desire to know, and its value consists of the systematic development of a questioning attitude and critical awareness.

Course offerings in Philosophy form a two-year cycle: those not offered in 1974-75 will be available in 1975-76, while PHLA01, PHLA02, PHLB01, PHLB20, PHLB50, PHLB60 and PHLB61 are offered every year. It should be noted that in

Further information about Philosophy, and more details about these courses, may be obtained in the *Philosophy Handbook*, available in the Division of Humanities office H-525A.

3L: TWF10/TWF11/TWF12

✓PHLA02Y	<b>Philosophic Classics</b> <span style="float: right;">3L:MTR1</span> A consideration of the philosophy of Plato, Russell, Nietzsche, Aristotle, Kierkegaard, Hume and others. Selections will vary from year to year. <i>W.C. Graham.</i>
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A study of the philosophical problems in Ethics – such as relativity of values, the justification of morality, moral scepticism, egoism, utilitarianism.  
*Exclusion:* PHLB51 (from 1973-74 and previous sessions)

*A seminar on current moral philosophy. J.H. Sobel.*  
**Exclusions:** (PHLB78); (PHLC60)  
**Prerequisite:** One B-level half-course in Philosophy – PHLB01  
 is recommended but not required

**Course offered only in the Summer Evening Session 1974 at Durham College.** A study of the nature and purposes of art, considering such questions as the interpretation and evaluation of works of art, the uniqueness of artistic experiences, artistic creativity, and the importance of art. *J.D. Hartman.*  
*Exclusions:* (PHLB22); (PHLB57)

Same course as PHLB04S. Course offered only in the Summer Evening Session.

An examination of philosophical theories and claims in literary works. Authors may include Camus, Gide, Kafka, Murdoch, Barth, Hesse, Vonnegut. Topics may include the nature of the

**[PHLB10F**      **Society, the State and the Citizen]**  
**Course not offered in 1974-75.**  
*Exclusion:* (PHLB52)

**Course offered only in the Evening Session, 1974-75.** The philosophies of Marx, Engels, Lenin and others. *W.C. Graham.*  
**Exclusions:** (PHLB77); (PHLC55)  
**Prerequisite:** One course or half-course in Philosophy, Sociology, Political Science or Economics — PHLB10 is recommended but not required

**Prerequisite:** One course, in Philosophy or in the Division of Social Sciences

**Philosophy of History**  
The philosophy of history studies general theories about the nature of the human past and basic problems in the methods of historical research and writing. It asks such questions as: Has history any meaning? Can there be general theories of history? Is history deterministic? Must the historian make value judgments? *J.C. Morrison.*  
*Exclusion:* (PHLB64)  
*Prerequisite:* One course or half-course in History or Philosophy is recommended but not required

**Anarchism**  
A study of major anarchists and problems of libertarian thought and practice; the impact of anarchism on social, cultural and political institutions; classical and contemporary anarchists such as Proudhon, Bakunin, Kropotkin, Tolstoy, Sorel and others. *W.C. Graham*.  
*Exclusion:* (PHLB50)

An examination of, among other things: certainty, the problem of scepticism, the scope and limits of human knowledge, the subjectivity of perception, rationality, and theories of truth. *D. Savan.*

*Exclusions:* (PHLB33); (PHLB54)

### Sartre and the Continental Tradition

A study of the views and approaches characteristic of such

writers as Kierkegaard, Husserl, Jaspers, Heidegger and Sartre.  
*Exclusions:* (PHLB18); (PHLB76); (PHLC54)  
*Prerequisite:* One B-level half-course in Philosophy

- PHLB40F** **Plato and his Predecessors I**  
**Course offered only in the Evening Session, 1974-75.** A study of the origins of Philosophy in Greece and the views of the earliest Philosophers regarding the nature of the world. A consideration of the main aspects of the philosophy of Plato. *D.L. Mosher.*  
*Exclusions:* (PHLB11); (PHLB65)
- PHLB41S** **Plato and his Predecessors II**  
**Course offered only in the Evening Session, 1974-75.**  
 A continuation of PHLB40. *D.L. Mosher.*  
*Prerequisite:* PHLB40
- [PHLB42F** **Aristotle and Later Greek Philosophy I]**  
**Course not offered in 1974-75.**  
*Exclusions:* (PHLB11); (PHLB66)
- [PHLB43S** **Aristotle and Later Greek Philosophy II]**  
**Course not offered in 1974-75.**  
*Prerequisite:* PHLB42.
- [PHLB44F** **Philosophers of the Middle Ages I]**  
**Course not offered in 1974-75.**  
*Exclusions:* (PHLB12); (PHLB67)
- [PHLB45S** **Philosophers of the Middle Ages II]**  
**Course not offered in 1974-75.**  
*Prerequisite:* PHLB44
- ✓PHLB46F** **Philosophy in the Early Modern Age I**  
 Revolutions in Science and Philosophy involved men in a radical rethinking of the powers of reason, the limits of experience, and the nature of man and reality. Philosophers who dominate this period are Descartes, Leibniz, Locke, Spinoza, Berkeley, and Hume. *D. Savan.*  
*Exclusion:* (PHLB71)
- ✓PHLB47S** **Philosophy in the Early Modern Age II**  
 A continuation of PHLB46. *J.H. Sobel.*  
*Prerequisite:* PHLB46
- [PHLB48F** **Philosophy in the Later Modern Age I]**  
**Course not offered in 1974-75.**  
*Exclusion:* PHLB72
- [PHLB49S** **Philosophy in the Later Modern Age II]**  
**Course not offered in 1974-75.**  
*Prerequisite:* PHLB48

**✓PHLB50F**

### **Symbolic Logic I**

**Same course as MATB80F.** An introduction to formal techniques of reasoning: sentential logic, quantification theory, and probability theory. *J.H. Sobel.*  
*Exclusions:* MATB80; (PHLB53)

**[PHLB51S**

### **Symbolic Logic II]**

**Same course as MATB81S. Course not offered in 1974-75.**  
*Exclusions:* (MATB81); (PHLB31); (PHLB82); (PHLC70)  
*Prerequisite:* PHLB50 or two courses in Mathematics

**✓PHLB60F**

### **Existence and Reality**

In perceiving, categorizing and classifying reality, certain very basic concepts are employed. The course will consider problems in metaphysics arising in connection with one or more of these concepts: existence, being, space, time, identity, causality, mind, and value. *J.C. Morrison.*  
*Exclusions:* (PHLB34); (PHLB55)

**✓PHLB61S**

### **Philosophy of Religion**

A study of such topics as the nature and existence of God, immortality, God and morality, and religious language and symbolism. *D.L. Mosher.*  
*Exclusions:* (PHLB21); (PHLB56)

**✓PHLB70S**

### **Philosophy of Science**

A study of philosophical questions raised by the Natural Sciences. What is scientific explanation? In what sense does a Science tell us what the world is really like? What is causality and does it play a significant role in Science? How are theories justified?  
*Exclusion:* (PHLB63)  
*Prerequisite:* One course or half-course in Philosophy or in the Division of Science

**[PHLB80F**

### **Philosophy of Language]**

**Course not offered in 1974-75.**  
*Exclusions:* (PHLB35); (PHLC66)  
*Prerequisite:* One B-level course or half-course in Philosophy or Linguistics

**✓PHLB81F**

### **Theories of Mind**

An examination of the philosophical presuppositions of psychological theories such as those of Freud and Jung, Behaviourism, and Existential Psychology. Problems such as the relation of mind and body, conscious and unconscious, the meaning of mentalistic concepts and the analysis of dreaming will be studied. *D. Savan.*  
*Exclusions:* (PHLB24); (PHLB79)  
*Prerequisite:* One B-level course or half-course in Philosophy or Psychology



~~X~~ PHL895F  
— B99S

**Prerequisite:** One course or half-course in Philosophy

**Prerequisites:** Two B-level half-courses in Philosophy, or both one B-level course or half-course in any Division and permission of instructor

**Prerequisites:** Two B-level half-courses in Philosophy, or both one B-level course or half-course in any Division and permission of instructor

Physics is the study of inanimate matter in action, and of the basic laws which describe how the parts of matter move, and how they influence each other. The effect of a star on the motion of a planet, or the Earth on the motion of a satellite, the effect of a molecule on a neighbouring atom, or of an atomic nucleus on an electron, may be accurately described in terms of the general laws of Physics. Although Newton's laws of motion adequately describe some of these situations, in most cases it is necessary to apply the more recently discovered refinements of these laws – quantum mechanics and the theory of relativity, together with the understanding of electric and magnetic effects, so beautifully synthesized in Maxwell's theory of electromagnetism. From these basic principles many of the properties of gases, liquids, solids, plasmas, and nuclear matter may be understood in terms of the interactions between the individual units of which these forms of matter are composed.

Physics allows us to describe the properties of light, sound and heat up to the point where these enter our senses and of X-ray, radio, cosmic and other radiations of which we are not directly aware. The remarkable properties of some materials under extreme conditions of temperature and pressure, and of other materials when an electric current passes through them, form the basis of a wide range of applications of the subject.

It is possible to develop, in mathematical language, theories that run so closely parallel to the development of physical phenomena that they may be used to accurately describe and even predict the results of many carefully controlled experiments. The study of Physics therefore requires some studies both of Mathematics and of the techniques that are needed in the performance of accurate experiments.

Students intending to specialize in Physics are advised to select their courses in accordance with the requirements of the Specialist Programme in Physics, described earlier in this *Calendar*.

The listed pre- and corequisites imply others not explicitly listed; such an explicit listing is available from the Student Services Office (Room S-418C) or from the Physical Sciences Group Office (Room R-4706).

**NSCA01Y Introduction to Natural Science: The Physical Sciences**

**2L:T4F11, 1T: T11/T1, 3P: T9-12/T1-4 (every second week)**  
Motions of single particles and collections of particles, both from the classical and from the relativistic points of view. A laboratory emphasizing mechanics, but also including a variety of other elementary experiments, accompanies the lecture course. This course is intended for students whose major interests are in the Physical Sciences. *M.B. Walker.*

**Corequisite:** MATA26 or MATA55

2L: T3F10/T4F11, IT, 3P

This course with its laboratory gives a basic treatment of the principles of Physics. It is complete in itself but also provides a foundation for those wishing to pursue further courses in this discipline. However, it is not intended for those who expect to continue with major studies in Physics. The topics include: mechanics, laws of motion, momentum, energy, special theory of relativity, simple harmonic motion, gravitational forces, thermodynamics, electricity and magnetism, waves, light, quanta, atoms, the solid state, the nucleus. *M.J.G. Lee; J.M. Perz.*

Exclusion: PHYA01

**Corequisite:** MATA22 or MATA26 or MATA55

## Electricity and Magnetism

Classical theory of electromagnetism, using the powerful concept of fields and potentials. Electrostatics; electric field; scalar potential; electric currents; magnetostatics; magnetic field; vector potential; fields of moving charges; electromagnetic induction; Maxwell's equations; circuits; electric and magnetic fields in matter. This course is essential to a Physics Specialist Programme. *A.E. Jacobs.*

**Prerequisite:** PHYA01 or PHYA02

**Corequisite:** ~~MATB41~~ or MATB50

## ✓PHYB04S

**Waves**

Topics discussed include wave equations, superposition of waves, emission and absorption of waves, impedance, polarization, interference, and diffraction. Applications are made to sound waves, radio waves, light waves, surface water waves, and waves on a string. This course is essential to a Physics Specialist Programme. *A. Griffin.*

*Prerequisites:* PHYA01 or PHYA02; MATA26 or MATA55

## ✓PHYB05F

**Statistical Physics**

Fundamental topics discussed include the concept of entropy, the laws of thermodynamics, and the uses of ensembles in statistical mechanics. Applications include the kinetic theory of gases, paramagnetism, the specific heats of solids, the thermal contraction of rubber, the separation of isotopes, osmosis, and phase transitions. This course is essential to a Physics Specialist Programme. *P.J. O'Donnell.*

*Prerequisites:* PHYA01 or PHYA02; MATA26 or MATA55

## ✓PHYB06Y

**Contemporary Physics**

2L: T10F9, IT

This broad introduction to the principles and some applications of modern Physics is a natural continuation of PHYA02. The core of the course will be the study of the properties of atoms, nuclei, molecules and crystals from the standpoint of quantum theory. Applications will include such topics as lasers, electron microscopes, X-ray scattering, nuclear reactors, properties of radioisotopes, radiation hazards, semiconductors and superconductors. This course is intended for students whose interests are in the Life Sciences or in interdisciplinary studies and who wish to take a second course in Physics. *A. Griffin; P.J. O'Donnell.*

*Prerequisites:* PHYA02 or PHYA01; MATA22 or MATA26 or MATA55

## ✓PHYB08H

**Intermediate Physics Laboratory**

Experiments are provided that deal with basic electricity and magnetism, electronics, solid state physics, and atomic and nuclear physics (illustrating material covered in lecture courses PHYB01 and PHYB06). *M.J.G. Lee; J.M. Perz.*

*Prerequisite:* PHYA01 or PHYA02

*Corequisite:* PHYB01 or PHYB06

## ✓PHYB46S

**Applied Mathematics and Mechanics**

**Same course as MATB46S.** Methods of Lagrange and Hamilton. Variational principles. Rigid body motion. Special relativity. Hamilton-Jacobi theory.

*Exclusions:* MATB46; (PHYB02)

*Prerequisites:* MATB50; MATB51; PHYA01 or PHYA02

## ✓PHYC01Y

**Quantum Physics**

Introduction to the basic ideas of quantum mechanics and to its applications in Modern Physics. This course is essential to a Physics Specialist Programme. *J.D. King.*

*Exclusion:* (PHYB11)

*Prerequisites:* PHYB01; MATB50 or both MATB41 and MATB42

*Corequisite:* MATB51

## [PHYC03Y

**Electromagnetic Fields and Waves]**

**Course not offered in 1974-75.**

*Exclusion:* (PHYB13)

*Prerequisites:* PHYB01; PHYB04; MATB50

*Corequisite:* MATB51

## ✓PHYC05H

**Advanced Physics Laboratory**

A selection is made of a number of advanced and detailed experiments illustrating fundamental principles and techniques in Physics. *M.J.G. Lee; J.M. Perz.*

*Exclusion:* PHYB15

*Prerequisite:* PHYB08

*Corequisite:* PHYC01

## ✓PHYC10Y

**Relativity and Cosmology**

**Same course as ASTC10Y.** A special review of the special theory of relativity and of the mathematical background of general relativity theory. General relativistic field equations in free space and in the presence of matter, gravitational radiation, cosmological theories and observations.

*R.C. Roeder.*

*Exclusion:* ASTC10

*Prerequisites:* MATB46; PHYB01

## Political Science

There is no concise and satisfactory definition of "politics". Thus it has been suggested that politics is "the art of the possible", that politics is about the resolution of conflict and the accommodation of diverse interests, that politics is about power and "Who gets What, When and How", that politics is about "the Good", and so forth. Indeed, in a sense the study of politics is a continuing exploration of these suggestions. But on the whole, as one writer has proposed, it is wiser "to start with ordinary usage, and to explore its implications, rather than to begin or end with a formal definition."

The academic study of politics ranges from philosophical speculation to the empirical analysis of political behaviour. As a discipline it is loosely constructed,

although in recent years a more rigorous method has been employed in several fields. In fact, the scope of the subject reveals the impossibility of clearly separating Political Science from a number of other disciplines. At the same time, within the discipline of Political Science itself it is customary to recognize the existence of several major fields, i.e., Political Theory, International Relations, Comparative Government, Political Behaviour and Public Administration.

- ✓POLA01Y **Canadian Government and Politics** 2L: TR10, IT  
A study of the political process in Canada, including: Canadian political culture; the formation of public opinion; political behaviour; political parties; the constitution; federalism; French Canada; federal-provincial financial relations; and the structure and functioning of political institutions, such as the Cabinet, Parliament, the Judiciary and the public service.  
*R.S. Blair; J. Esbrey.*
- [POLA02Y **Introduction to Political Philosophy]**  
Course not offered in 1974-75.
- ✓POLA03Y **Introduction to Comparative Politics** 2L: TR3  
An introduction to the analysis of foreign political systems, focussing on the comparative characteristics of selected countries in the western and non-western world.  
*V. Falkenheim; A. Rubinoff.*
- [POLB02F **Canadian Political Parties]**  
**OFFERED** ~~Course not offered in 1974-75.~~  
Prerequisite: POLA01
- ✓POLB03Y **Modern Political Thought** 2L: W11-1, 1T: <sup>W2/W3</sup> ~~T4/T2~~  
A study of the major political philosophers of the eighteenth, nineteenth and twentieth centuries. *S.J. Colman.*
- ✓POLB05Y **Public Administration**  
An examination of the role of the bureaucracy in the Canadian political system which covers the organization, staffing, financing and management of the public service of Canada (primarily Federal but with comparative material on Provincial, U.S. and British practices and procedures). Special emphasis will be placed on the powers of the bureaucracy and ways and means of controlling it. *J.E. Hodgetts.*
- ✓POLB06Y **Political Thought from Plato to Locke**  
A discussion of the political thought of Plato, Aristotle, Augustine, Aquinas, Machiavelli, Hobbes and Locke.  
*E.G. Andrew.*
- ✓POLB10Y **International Relations** 2L: TR1, 1T: F11/F12  
The nature of the international system; the factors that motivate foreign policies; and the institutions for the conduct

of international relations. The purpose of the course is to help the student develop intellectual tools with which to analyse politics at the international level. *A. Rubinoff.*

✓POLB12Y

**Politics and Society in Independent Africa**

Although the focus of this course is independent Africa, it is about the generic problems of underdevelopment in the third world and the possibilities for progressive change. The three major questions with which the course grapples are the following. To what extent is the fate of poor African countries determined by such external factors as the colonial legacy and what is often referred to as "neo-colonialism" or "neo-imperialism"? To what extent are progressive developmental policies blocked by the power of new vested interest groups created by rapid political and economic change in African countries? What are some of the major political institutions and development strategies through which governments seek to direct change, and how effective are their efforts, given the constraints upon their freedom of action?

*K.R.J. Sandbrook.*

✓POLB17Y

**The Chinese Political System**

An analysis of Chinese political institutions, behaviour and thought, with primary emphasis on the contemporary political system since 1949. *V. Falkenheim.*

[POLB18Y

**Comparative Politics of Western Europe]**

Course not offered in 1974-75.

✓POLB19S

**Intergovernmental Relations**

An examination of some of the problems of intergovernmental relations which arise in a federal state and the governmental machinery which has been developed to deal with these issues. Emphasis on modern Canada. *J. Esbrey.*  
Prerequisite: POLA01

[POLB20S

**Provincial and Local Government]**

~~Course not offered in 1974-75.~~

**OFFERED**

Prerequisite: POLA01

✓POLB23Y

**Politics and Society in the U.S.S.R.**

The development of Soviet political and social institutions since 1917, with emphasis upon the process of modernization and its effects. *S.G. Solomon.*  
Exclusion: (SOSB01)

✓POLB24Y

**Psychology and Politics**

2L: T1-3

An examination of the relevance of psychological knowledge to an understanding of the political process. Topics to be covered will include: human nature and politics; personality

and politics; psychological elements of political leadership, psychological aspects of international relations. *J. Esbrey.*

~~POLB26Y~~

U.S. Government and Politics

[POLB27S

Collective Decision Making]

Same course as ECOB27S. Course not offered in 1974-75.

Exclusions: (SOSB04); ECOB27

Prerequisite: One A-level course in Political Science or Economics

~~POLB28Y~~

~~Selected Topics in Canadian Government~~

Prerequisite: POLA01

~~POLB29Y~~

Twentieth Century Political Thought

The political theory of amorality: ethical relativism, the value-free approach to political science and the reactions to them. *E.G. Andrew; S.G. Solomon.*

~~POLB30Y~~

~~Political Behaviour~~

POLB31F

The Political Philosophy of Nietzsche

This course will explore the view that Nietzsche was predominantly a political philosopher. Students will be expected to read most of Nietzsche's works in translation. *S.J. Colman.*

~~POLB32F~~

Canadian Constitutional Law

Emphasis will be placed upon the evolution of the Constitution, with particular reference to the role of the courts. *R.S. Blair.*

[POLC03F

Marxism-Leninism]

Course not offered in 1974-75.

Prerequisite: POLB03 or POLB06

[POLC05Y

~~The New Nations in World Politics]~~

Course not offered in 1974-75.

Prerequisite: One B-level course in Political Science

~~POLC06Y~~

Comparative Communism

An analysis of society and politics in a variety of countries currently governed by Marxist-Leninist parties. *V. Falkenheim; H.G. Skilling.*

~~POLC07Y~~

Reading Course

Advanced Reading Programme in Special Topics.

Prerequisite: One B-level course in Political Science; permission of instructor

[POLC08Y

Comparative Foreign Policy]

Course not offered in 1974-75.

Prerequisite: POLB10 or POLB18

[POLC09S

Political Analysis]

Course not offered in 1974-75.

Prerequisite: One related B-level course in a Social Science

~~POLC10Y~~

Modernization and Revolution

A discussion of three major issues: the explanation of revolution, the strategy and tactics of guerrilla warfare, and the thesis that dependent third-world countries can only break out of their underdevelopment through a socialist revolution. *K.R.J. Sandbrook.*

Prerequisite: One related B-level course in a Social Science

## Psychology

Psychology is that branch of Science which seeks to understand the behavior of organisms. Why humans and infrahumans act as they do is a puzzle which has always challenged men. Philosophers, artists, novelists, theologians have sought the answer through reason and intuition. But can the methods of scientific inquiry be applied to an understanding of behavior? And, if so, what principles do they reveal?

The areas of interest which Psychology encompasses include: how organisms perceive their environments; how they learn and adapt; how they change over their lifetimes; how they choose among alternate courses of action; how they respond to stress and conflict; and how the presence of other organisms in social settings influences their behavior. The course offerings in Psychology consider how Psychologists pursue inquiries in these areas and what knowledge they have gained.

Students should consult the "Programmes of Study" section of this *Calendar* for the requirements for specialization in Psychology.

Students interested in Psychology should also refer to:

[LINB05S

Psycholinguistics]

NSCA01Y

Introduction to Natural Science: The Physical Sciences

NSCA02Y

Introduction to Natural Science: The Biological Sciences

~~PSYA01Y~~

Introduction to Psychology

3L: TWR9/TWR10/TWR2

The basic principles and methods of contemporary Psychology, emphasizing their contribution to an understanding of how organisms, both human and infrahuman, perceive their environments, how their behavior is modified by experience, and how their activities are instigated, sustained, and directed. Students interested in gaining laboratory experience in association with their introduction to Psychology may choose

PSYA02 in lieu of PSYA01 or may take PSYB09 concurrently with the second term of PSYA01. *Members of the faculty.*  
*Exclusion:* PSYA02

~~PSYA02Y~~ **Psychology: An Introduction** 2L: WF3, 2P  
 Covers the same range of topics as PSYA01 but includes a weekly two-hour laboratory period. *Members of the faculty*  
*Exclusion:* PSYA01

~~PSYB07F~~ **Data Analysis in Psychology**  
 Psychologists, like other scientists, arrive at general principles on the basis of limited evidence. The behavior of man is explained by observing the behavior of men. How is the Psychologist able to make the leap from the specific data of his experiments to the generalization he may wish to affirm? The course examines the role of statistical decision-making procedures in drawing reasonable inferences from research findings. It assumes no mathematical sophistication beyond elementary algebra; it does assume a willingness to master quantitative techniques. *M.G. Efran; B. Forrin.*  
*Exclusions:* MATB52; (SOSA01)

~~PSYB08S~~ **Experimental Design in Psychology**  
 The course extends the range of techniques examined in PSYB07. Procedures are considered which permit the analysis and interpretation of data from complex multivariate experiments. The course is highly recommended for all students contemplating supervised individual research in Psychology. *B. Forrin.*  
*Prerequisite:* PSYB07 or MATB52 or (SOSA01)

~~PSYB09S~~ **General Experimental Psychology**  
 The experimental techniques of Psychology as applied to problems in learning, motivation and perception in infrahuman and human organisms. This course emphasizes research methods of Psychology and is intended to provide a broad foundation of basic information and research techniques required in specialized laboratory courses and advanced courses. Prior or concurrent enrolment in PSYB07 is recommended. *G.B. Biederman.*  
*Prerequisite:* PSYA01 or PSYA02

PSYB10F **Introduction to Social Psychology**  
 Course offered in only the Winter Evening Session.  
 Social Psychology focuses on the problem of how human behavior is influenced by others. Among the questions to be considered are: how do we form impressions of other people; how can we change the attitudes of others; what are the effects of competing or cooperating with others on our attitudes towards them; what are causes of prejudice and how

can they be eliminated; and, what determines when people will engage in altruistic behavior? *A.S. Ross.*  
*Prerequisite:* PSYA01 or PSYA02

~~PSYB10S~~ **Introduction to Social Psychology** 2L: TR3, IT  
 Same course as PSYB10F. *K.K. Dion.*  
*Prerequisite:* PSYA01 or PSYA02

~~PSYB11S~~ **Social Psychology Laboratory**  
 This course will consider in depth the research methods used to gather the data discussed in PSYB10 and PSYB12. All students will conduct social psychological experiments in laboratory and in field settings. In addition to class projects, each student will conduct and write up an individual research project. *A.S. Ross.*  
*Prerequisites:* PSYB07; PSYB10

PSYB12S **Social Interaction**  
 Course offered in only the Winter Evening Session.  
 One setting in which human behavior is influenced by others is the social group. The study of human groups and the interaction of their members is called group dynamics. This course addresses itself to such questions of group dynamics as: what are the effects of belonging to a group on a person's behavior; what is the basis of power in a group; what is leadership and who will assume leadership; what are the effects of different group structures on group interaction? These problems and others will be considered from the point of view of the individual in the group. *A.S. Ross.*  
*Exclusion:* (PSYC12)  
*Prerequisites:* PSYB07; PSYB10

~~PSYB20F~~ **Developmental Psychology** 2L: TR3, IT  
 This course is divided into two parts. The first examines broad frameworks which have been offered to explain human development; e.g., Piaget's cognitive theory, social learning view. The second part focuses on selected research areas which deal with different aspects of social and cognitive development in the infant and child; e.g., social attachment, intelligence, sex-roles and achievement. *K. K. Dion.*  
*Prerequisite:* PSYA01 or PSYA02

~~PSYB20S~~ **Developmental Psychology**  
 Same course as PSYB20F. Course offered in only the Winter Evening Session. *J.M. Kennedy.*  
*Prerequisite:* PSYA01 or PSYA02

~~PSYB30F~~ **Personality** 3L: MWR11  
 How psychologists study the individual and his behavior. Examples of both the traditional broad theories of behavior

PSYB30F  
 Now OFFERED  
 W 74-75

(e.g., Freud's psychoanalytic theory) and the more contemporary research-oriented "miniature theories" will be discussed. The specific research areas which are covered vary somewhat from year to year. Achievement motivation, manifest anxiety, attraction, intelligence, computer models of personality, curiosity and exploratory behavior, personality assessment and non-verbal behavior are some of the topics which may be included in any given year. *A. Kukla.*

*Prerequisite:* PSYA01 or PSYA02

PSYB30S

### Personality

3L: M2W1R1

Same course as PSYB30F. *M.G. Efran.*

*Prerequisite:* PSYA01 or PSYA02

PSYB32F

### Abnormal Psychology

3L: TRF2

A critical examination of psychoanalytic, S-R, cognitive-interpersonal, biological and phenomenological views concerning the cause and treatment of abnormal behaviour. The conceptual problem of defining abnormality and categorizing its varieties will be emphasized.

*Prerequisite:* PSYA01 or PSYA02

PSYB32S  
OFFERED  
PSYB40S

### Abnormal Psychology

Same course as PSYB32F. Course offered in only the Winter Evening Session.

*Prerequisite:* PSYA01 or PSYA02

### Learning

Course offered in only the Summer Day Session, 1974.

Critical review of basic theories and issues in the psychology of learning, with selected laboratory exercises in animal learning. An introduction to the problems and techniques in the study of the acquisition of behavior. Topics include: reinforcement, motivation, classical and instrumental conditioning principles, theory construction. *G.B. Biederman.*

*Exclusion:* (PSYB04)

*Prerequisites:* PSYA01 or PSYA02; PSYB07 and PSYB09 are recommended but not required

PSYB41S

### Operant Conditioning

Review of operant conditioning research with laboratory exercises in operant schedules of reinforcement and stimulus control of behavior. Emphasizes study of the control of steady-state performance and provides opportunity for the observation and control of operant behavior in infrahuman subjects in the laboratory. Topics include: complex schedules of reinforcement, stimulus control, models of operant behavior, discussion of applications of operant techniques in behavior modification. *G.B. Biederman.*

*Exclusion:* (PSYB04)

*Prerequisites:* PSYA01 or PSYA02; PSYB07, PSYB09 and PSYB40 are recommended but not required

PSYB50F

### Sensation and Perception

An investigation into the processes by which we gain information about the world around us, and the laws which govern the way in which that information is used to construct our perceptions. *M.C. Smith.*

*Prerequisite:* PSYA01 or PSYA02

PSYB51S

### Perceiving and Knowing

In obtaining information about our environment we rely both on our senses and also on our knowledge of the world, which allows us to distinguish between reality and appearance, objects and images, the pictured and pictures. The course examines such distinctions using data from children and adults, from different cultures, and from different species. Demonstrations and exercises will form part of the course work, but prior knowledge of laboratory procedures is not required. *J.M. Kennedy.*

*Prerequisites:* PSYA01Y or PSYA02Y

PSYB52S

### Human Information Processing

Recently Psychologists who study human perception and behavior have begun to lay great emphasis on the way in which the human being actively and constructively processes information rather than merely responding passively to stimulation. The course introduces these ideas in their application to perception, memory, and cognition, with special emphasis on quantitative studies. *M.C. Smith.*

*Prerequisite:* PSYA01 or PSYA02; PSYB50; PSYB07 or PSYB09 are recommended but not required

PSYB56F

### Man and Machines

Course offered in only the Winter Evening Session.

Experimental Psychology can be used to match machines to the properties of human beings so that we can achieve "human use of human beings". This course examines machines which learn and adapt themselves to humans; the efficient design of machines to match human nervous systems; prosthetics; machines as a model of man; quantitative measures of human performance; and philosophical problems about man's nature in a world of intelligent machines. *N.P. Moray.*

*Prerequisites:* PSYA01 or PSYA02; quantitative skills such as are required in PSYB07, or PSYB09 are an advantage

PSYB60F

### Brain Mechanisms and Behavior

An introduction to the role of physiological mechanisms in behavior. Topics covered will include neuroanatomy of movement, sensory systems and the physiology of learning and motivation. *N.W. Milgram.*

*Prerequisite:* PSYA01 or PSYA02

(PSYB 60 SN)  
added.

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✓PSYB62Y

**Research in Physiological Psychology**

During the first term this course will teach basic techniques used in the investigation of brain function. During the second term students will do original supervised research in groups or individually. *N.W. Milgram.*

*Prerequisite:* PSYA01 or PSYA02

*Corequisite:* PSYB60; PSYB07, PSYB08 and PSYB09 are recommended but not required

✓PSYC22F

**Socialization Processes**

Covers the processes by which an individual becomes a member of a particular social system (or systems). The course examines both the content of socialization (e.g., development of specific social behaviors) and the context in which it occurs (e.g., family, peer group, etc.) Material will be drawn from both Social and Developmental Psychology. Limited enrolment: 25. *K.K. Dion.*

*Prerequisites:* PSYB10; PSYB20

✓PSYC33F

**Personality and Social Interaction**

An examination of the role of nonverbal behavior and social interaction. Research strategies and data based on both traditional psychological models and the more biologically oriented ethological approach will be considered. Among the topics to be discussed are non-verbal communication and social regulation in man and other animals, personal space and related territorial-like behaviors, selected man-environment issues such as overcrowding, and the meaning of selected nonverbal behaviors such as facial expressions and body movements. Limited enrolment: 25. *M.G. Efran.*

*Prerequisites:* (PSYB03) or PSYB30; one other B-level half-course in Psychology

PSYC34S

**Thought and Action**

**Course offered in only the Evening Session, 1974-75.**

Theory and research concerning the relationship between cognition and motivation. Topics will include S-S versus S-R theory, Lewin's field theory, the theory of achievement motivation, cognitive dissonance, internal versus external control, attribution theory. Facility with high school algebra will be assumed. Limited enrolment: 50. *A. Kukla.*

*Prerequisites:* PSYB30; one additional B-level half-course in Psychology

[PSYC35S

**History of Psychology]**

**Course not offered in 1974-75.**

*Prerequisites:* PSYA01 or PSYA02; two B-level half-courses in Psychology

[PSYC40<sup>F</sup>

**Current Topics in Animal Learning]**

**Course not offered in 1974-75.**

*Prerequisite:* PSYB40 or PSYB41

[PSYC41S

**Psychobiology of Learning and Motivation]**

**Course not offered in 1974-75.**

*Exclusion:* NSCB01

*Prerequisite:* PSYB40 or PSYB41 or PSYB60

[PSYC50S

**Attention and Performance Theory]**

**Offered in alternate years; not offered in 1974-75.**

*Prerequisite:* One B-level half-course in Psychology, preferably PSYB07 or PSYB09

~~✓PSYC56<sup>F</sup>~~

**Man and Machines Seminar**

**Offered in alternate years; offered in 1974-75.** An introduction to research methods in human factors Psychology. Students will carry out experimental projects on which their assessment will be based. Possible topics for projects will be the rational design of instrument panels, adaptive training devices to optimise human learning, programming a computer to show simple learning or problem-solving, the role of the human operator in a control system, simulation of vehicle control. Some projects will necessitate learning to programme a small on-line computer. In addition, all students will be expected to study readings in the philosophical and social problems of man and his relation to machines. Limited enrolment: 30. *N.P. Moray.*

*Prerequisite:* PSYB56

✓PSYC80S

**Foundations of Psychology**

An analysis of selected philosophical issues as they concern the discipline of Psychology, and Psychology's relevance to the problems of Philosophy. Discussed will be such topics as: Behaviourism and phenomenology; the mind-body problem; free will and determinism; distinctions, if any, between Psychology and traditional scientific disciplines. Limited enrolment: 20. *A. Kukla.*

*Prerequisites:* Three B-level half-courses in Psychology; one B-level half-course in Philosophy

✓PSYC90F

**Supervised Readings in Psychology**

✓PSYC91S

*Members of the faculty.*

*Prerequisites:* Three full-course-equivalents in Psychology; permission of instructor

✓PSYC92F

**Supervised Research in Psychology**

✓PSYC93S

*Members of the faculty.*

*Prerequisites:* PSYB07; PSYB09; two additional full-course-equivalents in Psychology; permission of instructor

✓PSYC98Y

**Thesis in Psychology**

This course is intended to offer to qualified students the opportunity to engage in a year-long research project under

**OFFERED**

the supervision of an interested member of the faculty in Psychology. The project will culminate in a written report in the form of a thesis and a defense of that report. During the course of the year, at appropriate times, students will meet to present their own research proposals, to appraise the proposals of others and to discuss the results of their investigations.

*Co-ordinator: N.P. Moray.*

*Prerequisites:* Satisfactory completion of 15 full-course-equivalents in any discipline but including PSYB07, one laboratory half-course in Psychology and two additional full-course-equivalents in Psychology; consent of a faculty member in Psychology to serve as research supervisor

*Corequisite:* PSYB08 is recommended but not required

## Russian

The three-year programme of courses in Russian provides opportunities for the study of the language and the literature of Russia. Both language and literature courses may be combined in a number of ways, where prerequisite requirements have been satisfied. Students who wish to study Russian literature without specialization may undertake their reading in translation.

[RUSA01Y      **Introduction to Russian Culture and Literature]**  
Course not offered in 1974-75.

~~RUSA10Y~~      **Introductory Russian**      4L: M1W1F1-3  
A course in the fundamentals of Russian grammar, with conversation, composition and readings. *S. Whalen.*

~~RUSA11Y~~      **Intermediate Russian**      3L: MWF3  
A study of Russian grammar, with readings and discussion of literary materials and current publications. *S. Whalen.*  
*Prerequisite:* Grade 13 Russian or RUSA10

~~RUSA10Y~~      **Advanced Russian**  
Continued study of morphology and syntax: composition, translation and functional stylistics. *C.V. Ponomareff; S. Whalen.*

~~RUSB11Y~~      **The Nineteenth Century Russian Novel**  
The development of the novel: Pushkin, Lermontov, Gogol, Turgenev, Goncharov, Dostoevsky and Tolstoy.  
*Prerequisite:* For generalists NONE; for specialists RUSA10  
*Corequisite:* For generalists NONE; for specialists RUSA11 or RUSB10

~~RUSB12Y~~

### Russian Drama

Russian drama in translation from the earliest representations to the present, with an analysis of works by Pushkin, Gogol, Chekhov, Mayakovsky, Solzhenitsyn and others. Related dramatic forms will also be considered. *M.Q. Schonberg.*

~~RUSB13Y~~

### A Survey of Russian Poetry from the Seventeenth Century to the Present

Study of texts in translation. Emphasis will be placed on theories of the creative process and the psychological forms of the Russian poetic imagination. *C.V. Ponomareff.*

~~RUSB21Y~~

### The Twentieth Century Russian Novel

Varieties of novel in pre- and post-revolutionary Russia: symbolist, autobiographical, realist, propaganda, proletarian, surrealist, socialist realist, picaresque, historical, satirical and poetic.

*Prerequisite:* For generalists NONE; for specialists RUSA10

*Corequisite:* For generalists NONE; for specialists RUSA11 or RUSB10

~~RUSB23S~~

### Soviet-Russian Underground Literature from the 1920's to the Present

A study of the characteristics of Russian novels and short stories not published in the Soviet Union, as well as of other works published in heavily censored editions. Discussion of the reasons why this literature is unacceptable to the communist state. Focus will also fall on the dissident movement of the sixties and its legal and political implications. Authors dealt with are Zamyatin, Bulgakov, Pasternak, Tertz, Solzhenitsyn and others. *C.V. Ponomareff; M.Q. Schonberg.*

~~RUSC01Y~~

### Twentieth Century Russian Poetry

Studies in poetic perception. Blok, Mayakovsky, Esenin, Tsvetaeva, Akhmatova, Mandel'shtam and Klenovsky. All reading in the original.

*Prerequisite:* RUSB10

[RUSC02F  
RUSC03S  
RUSC04H

**Supervised Reading** ~~COURSE NOT OFFERED IN 1974-75.~~  
Course not offered in 1974-75.

*Prerequisite:* RUSA11 or RUSB10

## Social Science

[SOSB02Y

**The Indian Sub-Continent: Contemporary Problems]**  
Course not offered in 1974-75.

*Prerequisite:* One course in Social Science

~~SOSB03S COMMUNICATIONS I~~



# Sociology

Sociology is the scientific study of interaction among people, the social relations which they establish, and the social groups which they form and which make up society. Sociology attempts to explain how society is ordered and how it functions, what accounts for social cohesion, social stratification, social mobility and social change, the consequences of co-operation, competition and conflict.

The courses listed below represent some of the major subdivisions of Sociology and several approaches to the scientific study of social phenomena.

- ✓SOCA01Y Introduction to Sociology 2L: WF10/WF2, IT**  
An introduction to the basic concepts, principles and methods of Sociology as a discipline for the study of society. Major topics studied include: the nature of social groups, social processes, culture, social structure, socialization, deviant behaviour, population, community, stratification, social institutions and social change. *R.L. James.*  
*Exclusion:* (SOCA03)
- ✓SOCA02Y Contemporary Society 2L: WF12, IT**  
An introduction to Sociology by means of basic concepts and their application to the study of contemporary society, with emphasis on Canada: interaction, groups, social systems, socialization, stratification, collective processes, social change, etc.  
*Exclusions:* SOCA01; (SOCA03)
- ✓SOCA04Y Principles of Sociology: A Fieldwork Approach 4L: WR9-11**  
An introduction to Sociology through development of skills in observation and recording of social behaviour in various sub-cultures. The student will be involved in directed qualitative analysis in a variety of social and community situations. *N. Howell; L.L. Howard.*
- ✓SOCB01Y Methods in Social Research 2L: MW2, 2P: M3-5/W3-5**  
A formal study of methodology and a practical introduction to social research design, data collection and analysis. Laboratory sessions include exercises in computer programming, elementary statistics, graphics and library research. Students design and execute suitable projects as an important part of their term work. Limited enrolment: 30. *R.C. Beals.*  
*Prerequisite:* One course in Sociology
- ✓SOCB02Y Structure of Interpersonal Relations 2L: TW2**  
The analysis of personal relationships in such social forms as the family, education, work, friendship and love. After ten weeks of lectures and tutorials on basic methods and theory, students conduct research on topics of their own choice, under continuing but informal faculty guidance. The final research

report may take any suitable format — essay, voice tape, videotape, film, novel or other. *J.A. Lee.*

## ✓SOCB03Y

### History of Social Thought

The development of Sociology and the works of particular sociologists whose concepts not only are of historical interest but also have relevance to contemporary Sociology. *J. Rex.*

*Prerequisite:* One course in Sociology

## [SOCB04Y

### Political Sociology]

**Course not offered in 1974-75.**

*Prerequisite:* One course in Sociology

## ✓SOCB05Y

### Urban Sociology

**2L: WF9, 2T: F10-12**

An examination of cities in general and of Toronto in particular, as a study of large-scale population aggregation and organization. A considerable amount of fieldwork and urban exploration is expected. *N. Howell.*

## ✓SOCB10Y

### Social Stratification

Description and analysis of the nature of social stratification with emphasis on: the basis of stratification; different theoretical views concerning stratification; the structure and function of stratification systems, social classes and associated behaviour; social mobility; and, class conflict. *L.L. Howard.*

*Prerequisite:* One course in Sociology

## ✓SOCB12Y

### Sociology of the Family

**2L: MF12, IT**

The sociological study of the family in contemporary western society, with special emphasis on: its historical development, social forces which have influenced it, interrelationship with other institutional forms, the family as a group, the family life cycle, family disorganization and family change. *R.L. James.*

*Prerequisite:* One course in Sociology

## ✓SOCB13Y

### Canadian Society

A sociological analysis of Canadian society, with emphasis on its changing structure. *J.-L. deLannoy.*

*Prerequisite:* One course in Sociology

## ✓SOCB14Y

### Comparative Social Structure

A study of the institutional structure in different societies in order to develop a better understanding of the effects of structural variations on human behaviour. *J.-L. deLannoy.*

*Prerequisite:* One course in Sociology

## ✓SOCB16Y

### Social Change

**2L: R11-1, IT: W11/W12**

A sociological analysis of forms of change, such as industrialization, modernization, urbanization, and their

consequences for the structure and function of contemporary society. *R. O'Toole.*

*Prerequisite:* One course in Sociology

✓SOCB18Y

**Sociology of Deviant Behaviour** 2L:T1R12

The analysis of the social processes by which behaviour becomes defined as deviant; theories of causation and control; and the response of militant deviant subcultures. After ten weeks of lectures and tutorials on basic methods and theory, students conduct research on topics of their own choice, under continuing but informal faculty guidance. The final research report may take any suitable format — essay, voice tape, videotape, film, novel or other. *J.A. Lee.*

✓SOCB20Y

**Ethnic and Race Relations**

The problem of stereotyping and prejudice, social mobility and 'civil rights' movements as processes of change of ethnic status; maintenance of ethnic identity and conflict and continuity between ethnic generations. Societal integration especially as it bears upon the question of Canadian bilingualism and multiculturalism. *W.W. Isajiw.*

*Prerequisite:* One course in Sociology

✓SOCB22Y

**Sociology Of Ideas**

This course examines the works of various "non-sociological" social thinkers from the perspective of the sociology of knowledge, and in terms of their relevance for sociological theory. Among the writers whose social thought will be discussed are: Herbert Marcuse, R.D. Laing, B.F. Skinner, Claude Lévi-Strauss, Raymond Williams, Frantz Fanon, Karl Popper and Thomas Kuhn. The course will involve discussion of the key elements in the sociology of knowledge and in sociological theory, but it is not intended to be a complete course in either of these subjects, and is not considered a "Sociological Theory" course as required by the Specialist Programme in Sociology. *R. O'Toole.*

*Prerequisite:* One course in Sociology

✓SOCB23Y

**Demography of Canadian Society**

The study of human population processes, birth, death and migration, and the effects of these processes on society, especially Canadian society. *N. Howell.*

*Exclusion:* SOCC15

*Prerequisite:* One course in Sociology

✓SOCB27<sup>FN</sup>

**Power and Organization I**

Same course as COMB27Y. Examines social factors in administration, the structuring of intra-organizational and inter-organizational relationships, and the distribution of power and dependency in society. Empirical studies used in the first term will focus on single organizations. Those used in

the second term will focus on industries and other interdependent organizations. Students may organize their written work as a series of short, independent exercises or as a major project, and should be prepared to share their conclusions in class discussions. *L.L. Howard.*

*Exclusions:* (SOCC02); COMB27

*Prerequisite:* One course in Sociology, Commerce, Economics, or Political Science

SOCC01Y

SOCC01Y

**Small Groups**

Analyses of small group behaviour with special reference to the dynamics of structure formation, conflict patterns, maintenance patterns, and patterns of change. The first term will be conducted as an academic self-analytical group; the second term as a seminar. The method in the first term will be participation in group task performance supplemented by regular reading and written reports; and in the second term, class reports, discussions and research reports. Limited enrolment: 20. *W.W. Isajiw.*

*Prerequisites:* Two courses in Sociology, one of which must be a B-level course

✓SOCC03F

**Collective Behaviour**

The social conditions that produce collective behaviour and the effect it has on group conflict, morale, consensus and changing patterns of social organization. Limited enrolment: 15. *R.O'Toole.*

*Prerequisites:* Two courses in Sociology, one of which must be a B-level course

SOCC04S

**Social Movements**

**Course offered in only the Evening Session, 1974-75.**

Analysis of major social movements, their origins, dynamics, and consequences for contemporary society. Limited enrolment: 15. *R.O'Toole.*

*Prerequisites:* Two courses in Sociology, one of which must be a B-level course

[SOCC05Y

**Special Problems of Sociological Theory]**

**Course not offered in 1974-75.**

*Prerequisites:* Two courses in Sociology, one of which must be a B-level course

SOCC07S

**Sociology of Occupations**

**Course offered in only Evening Session, 1974-75, at Durham College.** The relation of man to his occupations in contemporary society, including such topics as: occupational choice in a changing society, conceptions of work and leisure, mobility and career patterns, and professionalization. Limited enrolment: 15.

*Prerequisites:* Two courses in Sociology, one of which must be a B-level course

SOCB21S

✓SOCC08H

**Sociology of Education**

The analysis of the teaching-learning process, educational institutions and structures, and the social experience of the teacher, student and administrator in education. This course will meet as a seminar every two weeks through the year to develop and apply sociological theory and methods in the study of education. Each student will undertake a specific research topic of his own choice. Limited enrolment: 15.

*J.A. Lee*

*Prerequisites:* Two courses in Sociology, one of which must be a B-level course

✓SOCC09F

**Sociology of Culture**

A theoretical and empirical study of the societal processes by which the belief and cognitive systems, value and normative systems are accepted, established, and changed or modified. Special emphasis on Canada and the problems of development of Canadian culture. Limited enrolment: 15.

*Prerequisites:* Two courses in Sociology, one of which must be a B-level course

✓SOCC10S

**Sex, Self and Society**

A sociological approach to the bases, establishment and maintenance of social differentiation based on sex, including a consideration of socialization and sex-typing, the division of labour, patterns of sexual behaviour, changing roles and protest movements. *R.L. James.*

*Prerequisites:* Two courses in Sociology, one of which must be a B-level course

[SOCC12F

**Sociology of Revolution]**

**Course not offered in 1974-75.**

*Prerequisites:* Two courses in Sociology, one of which must be a B-level course

[SOCC14S

**Mass Communication and Canadian Society]**

**Course not offered in 1974-75.**

*Prerequisites:* Two courses in Sociology, one of which must be a B-level course

✓SOCC15F

**Problems in Demography**

A seminar organized around investigation of special problems in demography, such as a special area of the world or period of history. *N. Howell.*

*Prerequisite:* SOCB23 or permission of instructor

✓SOCC16F

**Sociology of Conflict**

Theories of conflict in the development of Sociology from Marx to the present applied to instances of social conflict,

with particular reference to Canadian society. Limited enrolment: 15. *J-L deLannoy.*

*Prerequisites:* Two courses in Sociology, one of which must be a B-level course

[SOCC17S

**Social Change in Latin America]**

**OFFERED**

*Prerequisites:* Two courses in Sociology, one of which must be a B-level course

[SOCC18S

**Sociology of the Arts]**

**Course not offered in 1974-75.**

*Prerequisites:* Two courses in Sociology, one of which must be a B-level course

✓SOCC20S

**Sociology of Religion**

**NOT OFFERED**

A sociological analysis of: religion as a social institution, religious behaviour, and contemporary trends. Limited enrolment: 15.

*Prerequisites:* Two courses in Sociology, one of which must be a B-level course

[SOCC22S

**Sociological Analysis: Qualitative Methods]**

**Course not offered in 1974-75.**

*Prerequisites:* Two courses in Sociology, one of which must be a B-level course

[SOCC24S

**Changing Family Life in Canada]**

**Course not offered in 1974-75.**

*Prerequisites:* Two courses in Sociology, one of which must be a B-level course

✓SOCC25S

**Comparative Race Relations**

Comparison of race relations in, for example, Europe and North America.

*Prerequisites:* Two courses in Sociology, one of which must be a B-level course

✓SOCC30Y

**Independent Studies**

*Prerequisites:* Any 15 courses; permission of instructor

✓SOCC40Y

**Directed Field Work**

Designed primarily for students taking the last five courses for their twenty-course degrees who wish to specialize in field research. The course includes the observation and reporting of social data. Under the guidance of the instructor, the students will be expected to concentrate on a major research project during the session, terminating with submission of a paper based on the experience. *Members of the faculty.*

*Prerequisites:* Any ten courses; permission of instructor. (Students anticipating the selection of this course are advised to include SOCB01 early in their programme of studies.)

**SPAB05S**      **Conversation**  
Intensive practice in the spoken language, through controlled situational oral work and discussion groups, with attention also given to the comprehension of the major regional variants.  
*J.I. Chicoy-Dabán; M.J. Maillard.*  
*Exclusion:* (SPA005)

✓**SPAB19Y**      **Survey of Spanish Literature II**  
From the eighteenth century to the present. Reading, analysis and discussion of major texts of Peninsular Spanish Literature of this period. A continuation of SPAB18. *R.J. Barta.*  
*Prerequisite:* SPAA01

- ✓SPAB20Y      **Advanced Language Practice**  
Intensive study of grammar and syntax; translation, composition, and oral practice. *R. Skyrme.*  
*Prerequisite:* SPAB07
- [SPAB21F      **Stylistics and Translation]**  
**Course not offered in 1974-75.**  
*Prerequisite:* SPAB03 or (SPA003)
- [SPAB22F      **Mediaeval Literature]**  
**Course not offered in 1974-75.**  
*Prerequisite:* SPAB03 or (SPA003)
- [SPAB23Y      **Spanish Drama]**  
**Course not offered in 1974-75.**  
*Exclusion:* SPAB24  
*Prerequisite:* SPAB02 or (SPA002)  
*Corequisite:* SPAB03 or (SPA003)
- [SPAB25F      **Golden Age Prose]**  
**Course not offered in 1974-75**  
*Prerequisite:* SPAB03 or (SPA003)
- [SPAB26S      **Golden Age Poetry]**  
~~**Course not offered in 1974-75.**~~  
*Prerequisite:* SPAB02 or (SPA002)  
*Corequisite:* SPAB03 or (SPA003)
- OFFERED
- [SPAB27F      **The Poetry and Theatre of García Lorca]**  
**Course not offered in 1974-75.**  
*Prerequisite:* SPAB03 or (SPA003)
- [SPAB28S      **Spanish American Literature: A Survey]**  
**Course not offered in 1974-75.**  
*Prerequisite:* SPAA01 or (SPA001)
- [SPAB29F      **Spanish American Literature: The Short Story]**  
**Course not offered in 1974-75.**  
*Prerequisite:* SPAA01 or (SPA001)
- [SPAB30S      **The Novel of the Mexican Revolution]**  
**Course not offered in 1974-75.**  
*Prerequisite:* SPAA01 or (SPA001)
- [SPAB32F      **Topics in Contemporary Latin-American Literature in Translation]**  
Same course as HUMB62F. **Course not offered in 1974-75.**  
*Exclusion:* HUMB62

- SPAB33F      **Spanish American Poetry 1880-1920]**  
**Course not offered in 1974-75.**  
*Exclusion:* HUMB15  
*Prerequisite:* SPAB03
- ✓SPAB34S      **Poets of the Vanguardia**  
Poetry and poetics in Spanish-America between the two World Wars, with focus on Huidobro, Neruda, and Vallejo.  
*R. Skyrme.*  
*Prerequisite:* SPAB03
- ✓SPAC01F      **Supervised Reading**  
✓SPAC02F      *Prerequisites:* SPAB03; one course in Spanish literature —  
✓SPAC03F      SPAB13 through SPAB34  
✓SPAC04F  
✓SPAC05F
- ✓SPAC06S      **Supervised Reading**  
✓SPAC07S      *Prerequisites:* SPAB03; one course in Spanish literature —  
✓SPAC08S      SPAB13 through SPAB34  
✓SPAC09S  
✓SPAC10S

# Evening and Summer Courses

## Summer Evening Session, Scarborough, 1974

The Summer Evening Session begins on Monday, 13 May and ends on Friday, 16 August. Courses are given on two evenings each week, Monday and Wednesday or Tuesday and Thursday. For complete information about registration dates, dates for the beginning and conclusion of classes, deadline dates for withdrawal and dates for examinations, please refer to the "Academic Calendar" section of this *Calendar*.

Room numbers will be announced at registration.

Course Code	Course Title and Instructor	Evenings
✓ANTB25Y <sup>N</sup>	Introduction to North American Pre-history	Mon & Wed
✓CLAB21Y	Greek & Roman Religion (J.H. Corbett; J.R. Warden)	Tues & Thurs
✓COMA01Y	Financial Accounting	Tues & Thurs
✓ECOA01Y	Introduction to Economics	Mon & Wed
✓ENGB26Y	Canadian Poetry in English	Mon & Wed
✓HISB05F	Canadian History to 1867 (J.S. Moir)	Mon & Wed
✓HISB06S	Canadian History since Confederation (W. McKay)	Mon & Wed
✓HISC41F	Old Huronia (J.S. Moir)	Tues & Thurs
✓MATA26Y	Calculus with Linear Algebra (Y.L. Park)	Tues & Thurs.
✓MATA40H	Introduction to Linear Algebra	Wed
✓PHLB04F	Philosophy in Literature	Mon & Wed
✓PHLB70S	Philosophy of Science	Mon & Wed
✓POLB23Y	Politics and Society in the U.S.S.R.	Tues & Thurs
✓PSYC90F	Supervised Readings in Psychology	Arrange with Instructor
✓PSYC91S	Supervised Readings in Psychology	Arrange with Instructor
✓PSYC92F	Supervised Research in Psychology	Arrange with Instructor
✓PSYC93S	Supervised Research in Psychology	Arrange with Instructor
✓SOCB14Y	Comparative Social Structure (J.L. de Lannoy; Z. Barbu)	Mon & Wed
✓SPAB07F	Intermediate Syntax & Composition (M.J. Maillard)	Tues & Thurs

✓GGRB01Y Geography & Resources  
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## Summer Evening Session, Oshawa, 1974

The following courses will be given in the Summer Evening Session at Durham College of Applied Arts and Technology in Oshawa. Students who would like to take these courses must be admitted to the University of Toronto and register in the usual way as Scarborough College students. (The courses are also open to part-time students registered in other Colleges of the University of Toronto.)

Durham College is located on Simcoe Street North at the Fifth Concession, East Whitby Township.

The Summer Evening Session begins on Monday, 13 May and ends on Friday, 16 August. Courses are given on two evenings each week, Monday and Wednesday or Tuesday and Thursday. For complete information about registration dates, dates for the beginning and conclusion of classes, deadline dates for withdrawal and dates for examinations, please refer to the "Academic Calendar" section of this *Calendar*.

Room numbers will be announced at registration.

Course Code	Course Title and Instructor	Evenings
✓ANTA01Y <sup>N</sup>	Introduction to Anthropology (G. Ellis; J. Davies)	Tues & Thurs
✓ECOA01Y	Introduction to Economics	Mon & Wed
✓ENGB33Y	The Modern Novel	Tues & Thurs
✓GGRA03S	Introduction to Geography: Geographic Methods I: Cartographic and Field Methods (C.J. Sparrow)	Tues & Thurs
✓GGRA08F	Introduction to Geography: Regional Analysis (P.W. Cave)	Tues & Thurs
✓GGRB02Y	<del>Geographic Methods II: Analytical and Quantitative Methods (G.J.D. Hewings)</del>	Mon & Wed
✓PHLB03F	Philosophy and Art	Mon & Wed
✓POLB10Y	International Relations	Mon & Wed
✓SOCB13Y	Canadian Society	Tues & Thurs
✓PSYB35F <sup>N</sup>	Personal Psychology	
✓GGRB01Y		

## Summer Day Session, Scarborough, 1974

The Summer Day Session begins on Tuesday, 2 July and ends on Friday, 16 August. Classes are given two hours per day, five days a week. Final examinations, if required, will be held in the last class period. For complete information about registration dates, dates for the beginning and conclusion of classes, deadline dates for withdrawal and dates for examinations, please refer to the "Academic Calendar" section of this *Calendar*.

Course Code	Course Title and Instructor	Hours
✓ANTA01Y	Introduction to Anthropology (L. Williams; J. Davies)	9.00 - 11.00
✓ANTB06F	Cultures of Oceania (E.G. Schwimmer)	11.00 - 1.00
✓ANTC02S	Systems of Thought (E.G. Schwimmer)	11.00 - 1.00
✓ANTC04S	Advanced Reading and Research in Anthropology (Offered only in connection with field work in Gibraltar.) (F. Burton)	Arrange with Instructor
✓ECOB01Y	Price Theory	9.00 - 11.00
✓ECOB07S	Economics of the Public Sector: Taxation	11.00 - 1.00
✓ECOB08F	Economics of the Public Sector: Expenditures	11.00 - 1.00
✓ENGB09Y	Prose & Poetry of the English Renaissance, 1500 - 1660	9.00 - 11.00
✓ENGB31Y	Modern Drama	1.00 - 3.00
✓GGRA06F	Introduction to Geography: Environmental Analysis (K.E. Francis)	11.00 - 1.00
✓GGRA07S	Introduction to Geography: The Surface of the Earth	11.00 - 1.00
✓GGRB04Y	The Geography of Canada (E. Relph)	9.00 - 11.00
✓GGRB06Y	Economic Geography (M.F. Bunce)	1.00 - 3.00
✓GGRC01Y	Supervised Research (Members of the Faculty)	Arrange with Instructor
✓GGRC07Y	Advanced Readings in Selected Fields of Geography (Members of the Faculty)	Arrange with Instructor
✓HISB13Y	European Urban History (J.L. Pearl)	9.00 - 11.00
✓LINA02F	General Linguistics I	11.00 - 1.00
✓LINA03S	General Linguistics II	11.00 - 1.00
✓PHLA02Y	Philosophic Classics	1.00 - 3.00
✓POLA03Y	Introduction to Comparative Politics	11.00 - 1.00
✓POLB29Y	Twentieth Century Political Thought	9.00 - 11.00
✓PSYA01Y	Introduction to Psychology	9.00 - 11.00
✓PSYB07F	Data Analysis in Psychology (M.G. Efran)	11.00 - 1.00
✓PSYB10F	Introduction to Social Psychology	1.00 - 3.00
✓PSYB20S	Developmental Psychology	11.00 - 1.00
✓PSYB40S	Learning (G.B. Biederman)	1.00 - 3.00
✓PSYC90F	Supervised Readings in Psychology	Arrange with Instructor
✓PSYC91S	Supervised Readings in Psychology	Arrange with Instructor
✓PSYC92F	Supervised Research in Psychology	Arrange with Instructor
✓PSYC93S	Supervised Research in Psychology	Arrange with Instructor
✓SOCA01Y	Introduction to Sociology	1.00 - 3.00
✓SOCB16Y	Social Change	11.00 - 1.00

## Winter Evening Session, Scarborough, 1974-75

The Winter Evening Session begins on Monday, 9 September and ends on Friday, 11 April. Classes are held one evening a week except in the case of courses with laboratories for which there may be a second evening scheduled. Annual examinations will be held from Monday, 21 April to Friday, 9 May. For complete information about registration dates, dates for the beginning and conclusion of classes, deadline dates for withdrawal and dates for examinations, please refer to the "Academic Calendar" section of this *Calendar*.

Course Code	Course Title and Instructor	Time
✓ANTA01Y	Introduction to Anthropology (J. Davies)	*Mon 7.00-10.00
✓ANTB02S	Anthropology of Religion (C.E. Hopen)	*Wed 7.00- 9.00
✓ANTB08F	Anthropology of Development	*Thurs 7.00- 9.00
✓ANTB09S	History of Ethnological Theory	*Thurs 7.00- 9.00
✓ANTB14Y	Human Evolution (L. Williams)	*Tues 7.00- 9.00
✓ANTB19F	Introduction to <del>Political</del> and Economic Anthropology (C.E. Hopen)	*Tues 7.00- 9.00
✓BIOA03Y	Introductory Biology - Laboratory	Tues 7.00- 10.00
	- Lecture	Thurs 7.00- 9.00
✓CLAB01Y	Epic Poetry: Homer, Virgil and Lucan (J.R. Warden; I.R. McDonald)	Thurs 7.00- 9.00
✓COMA01Y	Financial Accounting	Tues 7.00- 9.00
✓COMB21F	Management Accounting	Mon 7.00- 9.00
✓COMB22S	Information Systems and Control	Mon 7.00- 9.00
✓COMB27Y	Power and Organization	Thurs 7.00- 9.00
✓ECOA01Y	Introduction to Economics	*Wed 7.00- 9.00
✓ECOB11S	Money and Banking	Wed 7.00- 9.00
✓ECOB14F	Labour Economics	Wed 7.00- 9.00
✓ECOB17F	Urban Economics	Thurs 7.00- 9.00
✓ECOC15F	Topics in Advanced Economic Theory	Mon 7.00- 9.00
✓ECOC20S	Workshop in Economics	Mon 7.00- 9.00
✓ENGA06Y	American Literature: An Introduction (J. Kay)	Thurs 7.00- 9.00
✓ENGB12Y	English Drama to 1642 (J.M.R. Margeson)	Mon 7.00- 9.00
✓ENGB17Y	Fiction Before 1832 (W.J. Howard)	Wed 7.00- 9.00
✓FARB20Y	The Arts in Canada: 1670 to Present (B. Lord)	Thurs 7.00- 9.00
✓FREA01Y	Preparation for University French Studies	Mon 7.00-10.00
✓FREA11F	Man and Society in French Fiction (L.E. Doucette)	Tues 7.00- 9.00
✓FREA12S	Man and Society in French-Canadian Fiction	Tues 7.00- 9.00
✓GGRB02Y	Geographic Methods II: Analytical and Quantitative Analysis (G.J.D. Hewings)	
	- Lecture	Tues 6.00- 8.00
	- Laboratory	Tues 8.00-10.00
✓GGRB07Y	Geomorphology: The Pleistocene Epoch (B. Greenwood)	Mon 7.00- 9.00
	- Lecture	Mon 9.00-10.00
	- Laboratory	Mon 9.00-10.00
✓GGRB13Y	Cultural Geography	Wed 7.00- 9.00

\* In addition to the lectures tutorials will be arranged.

Course Code	Course Title and Instructor	Time
✓GGRC01Y	Supervised Research (Members of the Faculty)	Arrange with Instructor
✓GGRC03S	Regional Industrial Analysis and Development (G.J.D. Hewings)	Thurs. 7.00— 9.00
✓GGRC07Y	Advanced Readings in Selected Fields of Geography (Members of the Faculty)	Arrange with Instructor
✓GGRC12F	Contemporary Issues in the Philosophy of Geography	Thurs 7.00— 9.00
<del>GRHB02Y</del>	Greek and Roman History from the Death of Alexander to the Gracchi	Mon 7.00— 9.00
<del>HISA01Y</del>	The European World: An Introduction to History (J.S. Pearl; M. Eksteins)	*Tues 7.00— 9.00
<del>HISB01Y</del>	British History Since 1785 (J.P.B. Kenyon)	*Mon 7.00— 9.00
<del>HISB03Y</del>	History of the United States (W.M. Dick)	*Tues 7.00— 9.00
<del>HISB05F</del>	Canadian History to 1867 (J.S. Moir)	*Wed 7.00— 9.00
<del>HISB06S</del>	Canadian History since Confederation (I.R. Robertson)	*Wed 7.00— 9.00
<del>HISB31Y</del>	The South, Slavery, and Sectionalism in American History: 1607-1865 (A.N. Sheps)	*Tues 7.00— 9.00
<del>HISB43Y</del>	Ontario History, the 19th Century (W. McKay)	*Thurs 7.00— 8.00
<del>MATA22Y</del>	Techniques of Calculus (Y.L. Park) — Lecture — Tutorial (not every week)	Tues 7.00— 9.00 Thurs 7.00— 9.00
<del>PHLA01Y</del>	Fundamental Questions in Philosophy (J.H. Sobel)	Wed 7.00—10.00
<del>PHLB12S</del>	Marx and Marxism (W.C. Graham)	Thurs 7.00—10.00
<del>PHLB40F</del>	Plato and His Predecessors I (D.L. Mosher)	Mon 7.00—10.00
<del>PHLB41S</del>	Plato and His Predecessors II (D.L. Mosher)	Mon 7.00—10.00
<del>POLA01Y</del>	Canadian Government and Politics	*Thurs 7.00— 9.00
<del>POLB03Y</del>	Modern Political Thought	*Tues 7.00— 9.00
<del>POLB10Y</del>	International Relations	*Tues 7.00— 9.00
<del>POLB17Y</del>	The Chinese Political System	*Thurs 7.00— 9.00
<del>POLB23Y</del>	Politics and Society in the U.S.S.R.	*Mon 7.00— 9.00
<del>PSYA01Y</del>	Introduction to Psychology	Wed 7.00—10.00
<del>PSYB07F</del>	Data Analysis in Psychology (M.G. Efran)	Tues 7.00—10.00
<del>PSYB08S</del>	Experimental Design in Psychology (B. Forrin)	Tues 7.00—10.00
<del>PSYB09S</del>	General Experimental Psychology — Lecture — Laboratory	Mon 7.00— 9.00 Tues 7.00—10.00
<del>PSYB10F</del>	Introduction to Social Psychology (A.S. Ross)	*Tues 7.00— 9.00
<del>PSYB12S</del>	Social Interaction (A.S. Ross)	Thurs 7.00—10.00
<del>PSYB30S</del>	Developmental Psychology (J.M. Kennedy)	*Thurs 7.00— 9.00
<del>PSYB32S</del>	Personality	Thurs 7.00—10.00
<del>PSYB32F</del>	Abnormal Psychology	Tues 7.00—10.00
<del>PSYB56F</del>	Man and Machines (N.P. Moray)	Mon 7.00—10.00
<del>PSYC34S</del>	Thought and Action (A. Kukla)	Wed 7.00—10.00
<del>PSYC90F</del>	Supervised Readings in Psychology (Members of the Faculty)	Arrange with Instructor

\*In addition to the lectures tutorials will be arranged.

Course Code	Course Title	Time
<del>PSYC91S</del>	Supervised Readings in Psychology (Members of the Faculty)	Arrange with Instructor
<del>PSYC92F</del>	Supervised Research in Psychology (Members of the Faculty)	Arrange with Instructor
<del>PSYC93S</del>	Supervised Research in Psychology (Members of the Faculty)	Arrange with Instructor
<del>PSYC98Y</del>	Thesis in Psychology (N.P. Moray)	Arrange with Instructor
<del>SOCA01Y</del>	Introduction to Sociology	Wed 7.00—10.00
<del>SOCB03Y</del>	History of Social Thought (W.W. Isajiw)	*Tues 7.00— 9.00
<del>SOCB05Y</del>	Urban Sociology (N. Howell) — Lecture — Tutorial	Mon 6.00— 8.00 Mon 8.00—10.00
<del>SOCB27Y</del>	Power and Organization (L.L. Howard)	Thurs 7.00— 9.00
<del>SOC003F</del>	Collective Behaviour (R. O'Toole)	*Wed 7.00— 9.00
<del>SOC004S</del>	Social Movements (R. O'Toole)	*Wed 7.00— 9.00
<del>SPAB02F</del>	Intermediate Spanish (M.J. Maillard)	*Wed 7.00—10.00
<del>SPAB05S</del>	Conversation (J.I. Chicoy-Daban)	Tues 7.00—10.00
<del>SPAB17F</del>	The Modern Spanish Novel (R. Skyrme)	Wed 7.00—10.00

### Winter Evening Session, Oshawa, 1974-75

The Winter Evening Session begins on Monday, 9 September and ends on Friday, 11 April. Classes are held one evening a week. Annual examinations will be held from Monday, 21 April to Friday, 9 May. For complete information about registration dates, dates for the beginning and conclusion of classes, deadline dates for withdrawal and dates for examinations, please refer to the "Academic Calendar" section of this *Calendar*.

Course Code	Course Title and Instructor	Time
<del>ANTB04F</del>	The Canadian Indian Today	Wed 7.00—10.00
<del>ANTB28S</del>	The Prehistoric Archaeology of Canada (M. Latta)	Mon 8.00—10.00
<del>ECOA01Y</del>	Introduction to Economics	Tues 7.00—10.00
<del>ECOB01Y</del>	Price Theory	Tues 7.00—10.00
<del>ENGB32Y</del>	Modern Poetry (M.C. Kirkham)	Mon 6.00— 8.00
<del>GERA10Y</del>	Introductory German (H. Wittmann)	*Mon 7.00—10.00
<del>GGRB05Y</del>	Urban Geography (P.W. Cave)	Tues 7.00—10.00
<del>HISC42F</del>	Church-State Relations in Canada (J.S. Moir)	Mon 8.00—10.00
<del>MATA22Y</del>	Techniques of Calculus	Mon 7.00—10.00
<del>PHLA02Y</del>	Philosophic Classics	Thurs 7.00—10.00
<del>POLA01Y</del>	Canadian Government and Politics	Wed 7.00—10.00
<del>POLB26Y</del>	U.S. Government and Politics	Wed 8.00—10.00
<del>PSYB00F</del>	Personality (A. Kukla)	Mon 7.00—10.00
<del>PSYB00S</del>	Sensation and Perception	Mon 7.00—10.00
<del>SOCA01Y</del>	Introduction to Sociology	Mon 7.00—10.00
<del>SOC007S</del>	Sociology of Occupations	Thurs 7.00—10.00
<del>SOC008F</del>	Sociology of Education	Thurs 7.00—10.00

\*In addition to the lectures tutorials will be arranged.



# Room and Telephone Directory 1973-74

	Telephone	Room
General Enquiry	284-3300	
Registrar's Office	or 284-3127	S-417
General Enquiry, Security Guard's Desk (Buses, College Functions, etc.)	284-3333	Front Door
Divisional Offices		
Humanities	284-3304	S-528
Life Science	284-3291	S-421A
Physical Science	284-3289	R-4044
Social Science	284-3302	H-411
Bookstore	284-3251	S-360 (Portable 5)
Library	284-3246	S-503
Student Services	284-3292	S-418

Amenta, S.A.	Fine Art	3334	R-3708A
Andrew, E.G.	Political Science	3170	R-5225
Athletic Association		3395	R-2261
Ball, J.L.	Library	3245	S-649B
Bancroft, W.J.	French		
Barta, R.J.	Spanish	3185	H-326
Beals, R.C.	Sociology	3193	H-425
Biederman, G.B.	Psychology	3211	S-560
Binnick, R.I.	Linguistics	3186	H-506
Biology Demonstrators		3336	S-420B
Blair, R.S.	Political Science	3170	R-5237
Boddington, A.	Classics	3144	H-511
Bradshaw, M.	Assistant to the Principal	3243	S-411B
Brown, I.R.	Zoology	3224	S-540
Bucovetsky, M.W.	Economics	3153	H-418
Bunce, M.F.	Geography	3130	R-5710
Burton, F. D.	Anthropology	3252	H-424
Buttrick, J.	Economics	3115	H-428A

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Campbell, D.E.	Economics	3115	H-414
Campbell, D.R.	Principal	3111	S-409
Campbell, I.M.	Zoology	3210	S-550A
Caton, R.B.	Chemistry	3227/3215	S-532
Cave, P.W.	Geography	3326	R-5708
Chemistry Discipline Room		3283	S-162
Chicoy Daban, I.	Spanish	3185	H-328
Cohen, J.	Economics	3153	H-417
Colman, S.J.	Political Science	3168	R-5227
Corben, B.	Director - Writing Lab.	3369	R-5223
Corben, H.C.	Chairman - Physical Science	3289	R-4044
Corbett, J.H.	Classics		
Costa, E.	Italian	3315	H-312
Creelman, M.	English	3182	R-5207
Curri, G.	Assistant Registrar	3266	S-412A
Curtis, J.A.	French	3186	H-507
Daniell, K.	Registrar's Office	3300	S-416C
de Lannoy, J.L.	Sociology	3193	H-432
Dellandrea, J.	Asst. Dir.-Phys. Ed.	3393	R-2251A
Delver, R.	Mathematics	3352	R-4022
Dengler, R.E.	Botany	3218	S-552
Dick, W.M.	History		
Dion, K.K.	Psychology	3321	S-531
Dobbs, N.H.	Assistant Registrar	3139	S-416
Doucette, L.E.	French	3179	R-5211
Dreifelds, J.	Political Science	3168	R-5231
Dupré, J.S.	Political Science	3168	R-5245
Efran, M.G.	Psychology	3353	S-517
Eksteins, M.	History	3314	H-321
Ellers, E.W.	Mathematics	3352	R-4024
Enright, W.H.	Computer Science	3352	R-4026
Esbercy, J.	Political Science	3170	R-5229
Falkenheim, V.	Political Science	3168	R-5235
Farrell, S.D.	Zoology	3218	S-570
Farrow, R.	Library	3202	S-651A
Filosa, M.F.	Biology	3321	S-557
Flager, S.E.H.	Student Services Secretary	3292	S-418
Fox, Dr. T.W.	Health Service	3303	S-304A
Franceschetti, A.	Italian	3315	H-313A
Francis, K.E.	Geography	3326	R-5704
Freeman, P.	Biology	3215	S-423
Friesen, G.	Political Science	3170	R-5243
Gemello, J.	Economics	3115	H-416
Gombay, A.	Philosophy	3197	H-333
Gooch, P.W.	Philosophy	3144	H-505A
Gordon, L.	Admissions Adviser	3359	S-410D
Govind, C.K.	Zoology	3224	S-558
Graham, W.C.	Philosophy		
Grant, J.N.	Classics	3205	H-331

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Greenwood, B.	Geography	3301	S-565
Griffin, P.A.	Physics	3352	R-4239
Gunderson, M.	Economics	3153	H-412
Hall, D.G.	Mathematics	3378	R-4031
Hall, M.	Mathematics	3378	R-4031
Halperin, J.S.	Mathematics	3340	R-4028
Harris, R.O.	Chemistry	3227	S-534
Hartman, N.	Sociology	3193	H-428
Heinrichs, T.A.	Political Science	3168	R-5245
Henderson, K.	Chemistry	3133	S-427A
Hewings, G.J.D.	Geography	3130	R-5706
Hodgetts, J.E.	Political Science	3170	R-5243
Holman, D.	Fine Art	3334	R-3708
Hopen, C.E.	Anthropology	3252	H-427
Howard, L.L.	Sociology	3109	H-514
Howard, W.J.	English	3279	R-5005
Howell, N.	Sociology	3193	H-430
International Students'	Society	3295	S-302D
Irwin, M.E.	Classics	3171	H-520
Isajiw, W.W.	Sociology	3109	H-515
Israelstam, G.F.	Botany	3224	S-526
Jackson, H.	English	3146	R-5215
Jacobs, A.E.	Physics	3340	R-4241
James, R.L.	Sociology	3193	H-431
Jennings, C.	French	3197	H-335
Johnson, L.C.	Sociology	3109	H-518
Katz, G.	Italian	3307	R-3235
Kay, J.	English		
Keast, P.	Mathematics	3340	R-4030
Kennedy, J.M.	Psychology	3339	S-540C
Kenyon, J.P.B.	History	3175	H-523
King, J.D.	Associate Dean & Registrar	3124	S-414
Kingsley, V.V.	Microbiology	3221	S-542
Kirkham, M.C.	English		
Kirkness, W.J.	French		
Kleindienst, M.	Anthropology	3252	H-423
Knight, R.	Anthropology	3252	H-422
Krashinsky, M.	Economics	3153	H-419
Kronberg, P.P.	Astronomy	3171	H-510
Kukla, A.	Psychology	3339	S-540E
Kupka, I.	Mathematics	3340	R-4032
Latta, M.	Anthropology	3153	H-428B
Leah, P.J.	Mathematics	3340	R-4034
Lee, J.A.	Sociology	3109	H-517
León, P.	Spanish	3186	H-507A
Lewis, A.	Registration Officer	3300	S-413
Long, T.	English	3146	R-5219
Lynch, T.R.	Chemistry	3227	S-533

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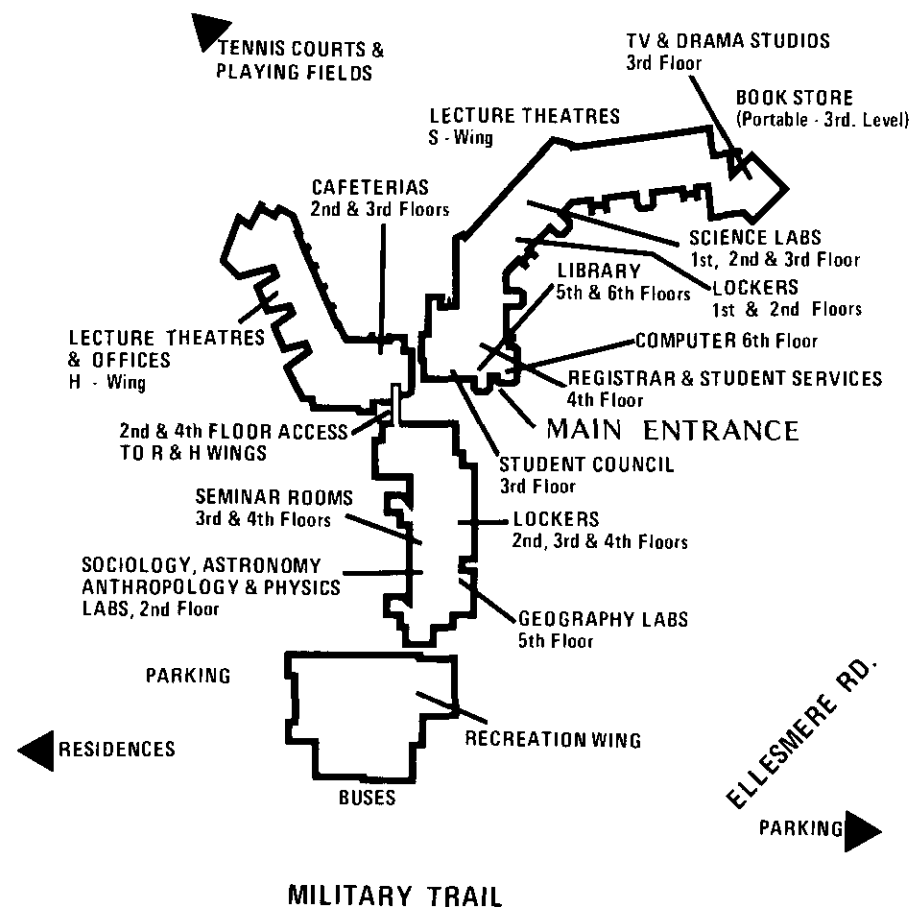
Maillard, M.J.	Spanish	3185	H-324
Mantuani, M.A.	Zoology	3221	S-543
Margeson, J.M.R.	English	3175	H-521
Martin, P.G.	Astronomy	3352	R-4235
Martineau, B.S.	English	3182	R-5209
Mawson, N.	Admin. Asst. — Residences	3174	H-407A
McDonald, I.R.	Classics	3205	H-329
McFeat, T.F.S.	Anthropology	3252	H-421
McGee, T.J.	Music	3307	R-3233
McKay, W.	History	3175	H-524
Mendelsohn, E.	Mathematics	3192	R-4036
Mignault, L.B.	French	3179	R-5012
Milgram, N.W.	Psychology	3353	S-513
Mittler, S.	French	3179	R-5014
Moes, P.C.	French	3178	H-325
Moir, J.S.	History	3175	H-524
Montgomery, L.A.	Admin. Officer — Science	3131	S-521B
Moray, N.P.	Psychology	3337	S-538B
Mosher, D.L.	Philosophy	3144	H-505
Murrill, M.F.	Comptroller	3106	S-408
Namjoshi, S.	English	3182	R-5213
Nemeth, G.J.	French	3334	R-3241
O'Carroll, R.	Registrar's Office	3300	S-416C
O'Donnell, P.J.	Physics	3192	R-4042
Ohlendorf, H.	German	3197	H-330
O'Toole, R.	Sociology	3109	H-516
Ouchterlony, M.W.	Student Services	3292	S-418A
Pallandi, T.	Director — Physical Education	3121	R-2251
Park, Y.L.	Mathematics	3378	R-4018
Patenall, A.J.G.	English	3171	H-519
Pearl, J.L.	History	3314	H-315A
Pelikan, P.	Economics	3153	H-415
Perz, J.M.	Physics	3231	S-525
Physical Science Teaching Assistants		3378	R-4710
Pickett, C.	Zoology	3133/3217	S-427A
Ponomareff, C.V.	Russian	3258	H-320
Potter, J.	Chemistry	3133	S-427A
Prettie, M.A.	Asst. Dir. — Phys. Education	3294	R-2259
Psychology Teaching Assistants		3339	S-540B
Radio Scarborough		3356	S-204
Rapoport, A.	Mathematics	3192	R-4038
Relph, E.	Geography	3326	R-5712
Ritchie, J.C.	Chairman — Life Sciences	3291/3215	S-421A
Robertson, I.R.	History	3258	H-319
Roeder, R.C.	Astronomy	3352	R-4233
Rubinoff, A.	Political Science	3168	R-5233
Russell, G.	Economics	3115	H-428A
Salus, P.H.	Chairman — Humanities	3304	H-528
Sandbrook, K.R.J.	Political Science	3168	R-5239

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Savan, D.	Philosophy	3141	H-526
Sawyer, V.	Economics	3193	H-428
Scavizzi, G.	Fine Art	3334	R-3239
Schonberg, M.	Drama	3205	H-334
Schroeder, H.B.	Anthropology	3252	S-311
Schwimmer, E.G.	Anthropology	3252	H-426
Scott, G.D.	Physics	3231	S-521
Scott, J.	Student Services	3292	S-418D
Senders, V.	Psychology	3353	S-515
Shaw, M.C.	Classics, Fine Art	3334	R-3241
Sheps, A.N.	History	3314	H-318
Shirley, R.W.	Anthropology		
Siebelhoff, R.	Fine Art	3334	R-3243
Skyrme, R.	Spanish	3258	H-317
Smyth, M.	Psychology	3337	S-540D
Snider, L.	Sociology	3193	H-428
Sobel, J.H.	Philosophy	3288	H-513
Solomon, S.	Political Science	3170	R-5241
Sowby, J.	Library	3317	S-504A
Sparling, C.	Botany	3218	S-551A
Sparrow, C.	Associate Chairman — Social Sciences	3332	H-410
Statten, T.	Psychiatrist	3303	S-304A
Students' Council		3135/3343/3344	S-302B
Tait, M.	English	3307	R-3237
Tarshis, L.	Chairman — Social Sciences	3302	H-409
Tayyeb, A.	Geography	3301	S-567A
Tepfenhardt, W.	German	3178	H-323
Theil, K.	English	3179	R-5010
Thomas, A.C.	English		
Thompson, P.	Philosophy	3141	H-526
Tidwell, T.T.	Chemistry	3210	S-535
Trembley, G.F.R.	French	3178	H-327
Urquhart, F.A.	Zoology	3221	S-549A
van der Linde, R.	Geography	3130	R-5703
Vicari, E.P.	English	3288	H-512
Walker, A.	Associate Dean — Planning and Building	3116/3210	S-405A
Walker, M.	Economics	3115	H-420
Walker, M.B.	Physics	3340	R-4237
Warden, J.R.	Classics	3171	H-522
Whalen, S.	Russian	3258	H-315
Wilker, J.B.	Mathematics	3192	R-4040
Wittmann, H.	German	3315	H-314
Wood, H.	Microbiology	3221	S-422
Woods, J.D.	Linguistics	3288	H-508
Woollatt, G.	Physics	3342/3289	R-2505
Youson, J.H.	Zoology	3321	S-566

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<b>MAY</b> 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	<b>JUNE</b> 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	<b>JULY</b> 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	<b>AUGUST</b> 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
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<b>MAY</b> 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	<b>JUNE</b> 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	<b>JULY</b> 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	<b>AUGUST</b> 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
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