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
1205 Military Trail
West Hill, Ontario
M1C 1A4

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## The Academic Calendar 1974-75

### Summer Evening Session, 1974

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<th>Day</th>
<th>Date</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monday</td>
<td>1 April</td>
<td>Last day for new students to apply for admission to the University.</td>
</tr>
<tr>
<td>Thursday</td>
<td>11 April</td>
<td>Last day of pre-registration for students currently enrolled.</td>
</tr>
<tr>
<td>Monday</td>
<td>6 May - 9 May</td>
<td>Registration week.</td>
</tr>
<tr>
<td>Monday</td>
<td>13 May</td>
<td>Classes for the 1974 Summer Evening Session begin. “Y”, “F” and “H” courses begin.</td>
</tr>
<tr>
<td>Monday</td>
<td>20 May</td>
<td>Victoria Day – all classes cancelled.</td>
</tr>
<tr>
<td>Thursday</td>
<td>23 May</td>
<td>Last day to add a “Y”, “F” or “H” course.</td>
</tr>
<tr>
<td>Tuesday</td>
<td>26 May</td>
<td>Last day to withdraw without academic penalty from a first term (“F”) course.</td>
</tr>
<tr>
<td>Thursday</td>
<td>13 June</td>
<td>Last day to withdraw without academic penalty from a “Y” or “H” course.</td>
</tr>
<tr>
<td>Thursday</td>
<td>20 June</td>
<td>Last day of classes in first term (“F”) courses. All term assignments should be submitted by this date.</td>
</tr>
</tbody>
</table>

| Monday  | 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. |

### Summer Day Session, 1974

<table>
<thead>
<tr>
<th>Day</th>
<th>Date</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monday</td>
<td>11 April</td>
<td>Last day of pre-registration for students currently enrolled.</td>
</tr>
<tr>
<td>Wednesday</td>
<td>15 May</td>
<td>Last day for new students to apply for admission to the University.</td>
</tr>
<tr>
<td>Monday</td>
<td>24 June - 27 June</td>
<td>Registration week.</td>
</tr>
<tr>
<td>Monday</td>
<td>1 July</td>
<td>Dominion Day – all classes cancelled.</td>
</tr>
<tr>
<td>Tuesday</td>
<td>2 July</td>
<td>Courses for the 1974 Summer Day Session begin. “Y”, “F” and “H” courses begin.</td>
</tr>
<tr>
<td>Friday</td>
<td>5 July</td>
<td>Last day to add a “Y”, “F” or “H” course.</td>
</tr>
<tr>
<td>Tuesday</td>
<td>9 July</td>
<td>Last day to withdraw without academic penalty from a first term (“F”) course.</td>
</tr>
<tr>
<td>Thursday</td>
<td>18 July</td>
<td>Last day to withdraw without academic penalty from a “Y” or “H” course.</td>
</tr>
<tr>
<td>Tuesday</td>
<td>23 July</td>
<td>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.</td>
</tr>
<tr>
<td>Thursday</td>
<td>25 July</td>
<td>Second term (“S”) courses begin.</td>
</tr>
<tr>
<td>Monday</td>
<td>29 July</td>
<td>Last day to add a second term (“S”) course.</td>
</tr>
<tr>
<td>Thursday</td>
<td>1 August</td>
<td>Last day to withdraw without academic penalty from a second term (“S”) course.</td>
</tr>
</tbody>
</table>
Monday 5 August  Civic Holiday — all classes cancelled.
Friday 9 August  Last day of classes in St. George and Erindale Campus courses.
Monday 12 August - Friday 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 3 September - Saturday 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 16 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 10 December - Thursday 19 December  Term test and final examination period.

1975
Monday 6 January  Classes for the second term begin. Second term ("F") courses begin.
Wednesday 15 January  Second installment 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 Calendar.)

Friday 7 February  
Last day to withdraw without academic penalty from a second term ("S") course.

Monday 17 February  
Friday 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. McGitton, S.M., B.A., LL.D.
President .............................................. J. H. 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., O.C.
Vice-Provost .......................................... J. D. Hamilton, M.D., F.R.C.P.(C.), D.Sc.
Vice-Provost .......................................... P. P. M. McInnes, 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.Clarngold
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. Fousd, B.A.
Acting Director of University Extension ............. E. M. Greener, B.A.
Director of Admissions ................................ W. Kent, M.A.
Director of Student Awards .......................... P. S. Phillips, B.A., C.A.
Director of the Advisory Bureau .....................
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. Wridehouse, M.C., M.D., F.R.C.P.(C.), M.R.C.P.
Director of Housing Service ......................... M. G. Jaffery, B.A.
Director of the International Student Centre .......... E. A. McKee, M.A.
Warden of Hart House ............................... J. G. Longstaff, M.A., Ph.D.
Director of Alumni Affairs ........................... J. W. Duncanson, B.A.
Division of Humanities

Chairman
P. H. Salus, B.Sc., M.A., Ph.D.
Administrative Assistant to the Chairman
A. P. Western

Classics
A. Biddington, B.A. (Oxon.), Associate Professor
J. H. Corbett, M.A., Ph.D., Associate Professor
J. N. Grant, M.A., Ph.D., Associate Professor (Discipline Representative for Classics)
M. E. Irwin, B.A., Ph.D., Associate Professor
J. R. Wardle, M.A., Associate Professor (Counselling Co-ordinator for the Division of Humanities)
I. R. McDonald, B.A., Ph.D., Assistant Professor

Drama
M. Q. Schönberg, M.A., Lecturer (Discipline Representative for Drama)

English
J. M. R. Margeson, M.A., Ph.D., Professor
W. J. Howard, M.A., Ph.D., Associate Professor (Discipline Representative for English)
M. C. Kirkham, M.A., M. Phil., Associate Professor
J. Kay, M.A., Ph.D., Assistant Professor
T. Long, M.A., M. Phil., Assistant Professor
B. S. Martin, M.A., Ph.D., Assistant Professor
S. Namjoshi, M.A., M. Sc., Ph.D., Assistant Professor
A. J. G. Patanali, M.A., Ph.D., Assistant Professor
M. Tait, M.A., Ph.D., Assistant Professor
A. C. Thomas, M.A., Ph.D., Assistant Professor
E. P. Vicari, M.A., Ph.D., Assistant Professor
M. C. Crofmann, M.A., Lecturer
R. D. Rodgers, M.A., Lecturer
K. Thel, M.A., Lecturer
H. Jackson, M.A., Ph.D., Visiting Lecturer

Fine Art
G. Savizzi, M.A., Ph.D., Associate Professor
R. Setalhaphi, M.A., Ph.D., Assistant Professor (Discipline Representative for Fine Art)
S. Amenta, M.A., Lecturer
G. Monay, M.A., Lecturer
N. C. Shaw, B.A., Ph.D., Lecturer
D. Holman, B.F.A., Instructor
A. Liwanidi, M.A., Instructor

French
G. F. R. Trembley, L.L. B., Ph.D., Professor (Discipline Representative for French)
W. J. Branco, M.A., Ph.D., Associate Professor

Officers of the College

Principal .......................................................... D. R. Campbell, B.A., M.A., D.F.C. and Bar
Assistant to the Principal ........................................ M. Bradshaw, M.Sc.
Associate Dean, Planning and Building ...................... A. Walker, B.Sc., Ph.D.
Associate Dean and Registrar ................................... J. D. King, B.A., Ph.D.
Assistant Registrar .................................................. G. L. E. Currie
Assistant Registrar .................................................. N. H. Dobson, B.A.
Admissions Adviser ................................................. I. F. Gordon
Registration Officer .................................................. A. M. Lewis, B.A.
Student Services ................................................... M. W. Outhartley, B.A.
Student Services ................................................... J. M. Scott, B.A.
Comptroller ........................................................... M. F. Murrill
Administrative Assistant, Personnel ............................ J. P. Senguin
Administrative Assistant, Accounts ............................ E. J. Murrill
Administrative Assistant, residences ............................ N. Manion
Head, Public Services ............................................. J. K. Sowby, B.A., M.L.S.
Co-ordinator, Collection Department .......................... M. Waderkehr, 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-Enidale Technical Services .............. A. Gregovich, B.A., B.L.S.
Director of Writing Laboratory .................................. B. Corben, B.A.
Director of Athletics .............................................. T. Pallandi, B.P.H.E., B.A., M.S.
Assistant Director of Athletics ................................ J. Delandrea, B.A.
Assistant Director of Athletics ................................ M. A. Prette, B.P.H.E.
Physician .............................................................. T. W. Fox, B.A., M.D., F.R.C.P.(C)
Physician .............................................................. A. M. Breels, M.D.
Psychiatrist ........................................................... Taylor Stetten, M.D., F.R.C.P.(C)
Manager of Physical Services .................................... G. A. Fitzgerald
Assistant Manager of Physical Services ........................ R. L. Wright
L.E. Doucette, B.A., Ph.D., Associate Professor
C. Jennings, Ph.D., Associate Professor
W.J. Kirkness, M.A., Ph.D., Associate Professor
P.C. Meas, M.A., Ph.D., Associate Professor
J.A. Curtis, M.A., Ph.D., Assistant Professor
L.B. Mignault, B.A., Ph.D., Assistant Professor
S. Mittler, M.A., Ph.D., Assistant Professor
G. Nemeth, L.A.B.L., M.A., Instructor

German
H.H.H. Chisendorf, A.M., Ph.D., Assistant Professor
H. Wittmann, A.B., M.A., Ph.D., Assistant Professor (Discipline Representative for German)
W. Teschenhardt, M.A., Ph.D., Visiting Assistant Professor

History
J.S. Moir, M.A., Ph.D., Professor
W.M. Dick, M.A., Dip.Ed., Ph.D., Associate Professor
J.P.B. Kenvin, M.A., Ph.D., Associate Professor (Discipline Representative for History)
M. Eskenazi, B.Phil., D.Phil., Assistant Professor (Counselling Coordinator for the Division of Humanities)
J.I. Pearl, M.A., Ph.D., Assistant Professor
A.N. Shous, M.A., Ph.D., Assistant Professor
I.R. Robertson, M.A., Lecturer
W.A. McKay, L.Th., M.A., Ph.D., Lecturer

Italian
A. Franceschetti, Dott. in Lett., Ph.D., Associate Professor
E. Costa, M.A., Ph.D., Assistant Professor (Discipline Representative for Italian)
G. Katz, M.A., Instructor

Linguistics
P.H. Salus, M.A., Ph.D., Professor
R.I. Binnick, M.A., Ph.D., Associate Professor (Discipline Representative for Linguistics)
J.D. Woods, A.B.D., Assistant Professor

Music
T.J. McCge, B.M.E., M.A., Assistant Professor (Discipline Representative for Music)

Philosophy
D. Savan, B.A., A.M., Professor
P.W. Gough, M.A., Ph.D., Associate Professor
J.H. Sobel, M.A., Ph.D., Associate Professor
A. Gombay, M.A., B.Phil., Visiting Associate Professor
F.H. Cawling, M.A., Ph.D., Assistant Professor
W.C. Graham, M.A., Ph.D., Assistant Professor

D.L. Mosher, B.A., Ph.D., Assistant Professor (Discipline Representative for Philosophy)
R.P. Thompson, M.A., Lecturer

Russian
C.V. Ponomareff, M.A., Ph.D., Associate Professor (Discipline Representative for Russian)
S. Wahlen, M.A., Ph.D., Lecturer

Spanish
R.J. Barta, M.A., Ph.D., Associate Professor
P.R. Lenoir, M.A., Ph.D., Associate Professor
M.J. Maillard, M.A., Ph.D., Assistant Professor (Discipline Representative for Spanish)
R. Skyme, M.A., M.Litt., Ph.D., Assistant Professor
J.I. Chico-Daban, M.A., Lecturer

Writer-in-Residence
M. Myers, M.A., Visiting Associate Professor

Division of Science

Chairman of Life Sciences
J.C. Ritchie, B.Sc., Ph.D., D.Sc.,
Chairman of Physical Sciences
H.G. Corben, M.A., M.Sc., Ph.D.
Administrative Assistant to the Chairmen, Division of Science
L.A. Montgomery

Astronomy
P.P. Kronberg, M.Sc., Ph.D., Associate Professor
R.C. Roeder, M.Sc., Ph.D., Associate Professor (Assistant to the Chairman for Astronomy and Counselling Co-ordinator for the Physical Science Group)
P.G. Martin, M.Sc., Ph.D., Assistant Professor

Biology
J.C. Ritchie, B.Sc., Ph.D., D.Sc., Professor
F.A. Urquhart, M.A., Ph.D., Professor
I.M. Campbell, M.A., Ph.D., Associate Professor
R.E. Dugger, B.Sc., Ph.D., Associate Professor
M.P. Filoss, M.S., Ph.D., Associate Professor
G.F. Israilev, B.Sc., Ph.D., Associate Professor (Counselling Co-ordinator for Biology)
Chemistry

F.R. Lorrimer, B.E.M., M.A., Ph.D., Professor Emeritus
R.D. Herrin, M.A., Ph.D., Associate Professor (Assistant to the Chairman for Chemistry)
T.T. Tidwell, A.M., Ph.D., Associate Professor (Counselling Coordinator for Chemistry)
A. Walker, B.Sc., Ph.D., Associate Professor
R.B. Clinton, B.A., Ph.D., Assistant Professor
T.R. Lynch, M.Sc., Ph.D., Assistant Professor
M. Bradshaw, M.Sc., Instructor
K. Henderson, B.Sc., Instructor
J. Potter, M.Sc., Instructor

Mathematics

A. Rapoport, M.Sc., Ph.D., Professor
F.W. Efros, D.r.n. Nat., Associate Professor
P. Kast, R.Sc., Ph.D., Associate Professor
I. Kupka, Ph.D., Associate Professor
P.J. Leah, M.A., Ph.D., Associate Professor
E. Mendesinho, M.Sc., Ph.D., Associate Professor
R. Delver, M.Sc., Ph.D., Assistant Professor
W.H. Enright, M.Sc., Ph.D., Assistant Professor
J.B. Helperin, M.Sc., Ph.D., Assistant Professor
J.B. Wilkie, M.A., Ph.D., Assistant Professor
D.G. Hall, Instructor
M. Hall, B.Sc., Instructor

Physics

H.C. Corben, M.A., M.Sc., Ph.D., Professor
G.D. Scott, Ph.D., Professor
A. Griffin, M.Sc., Ph.D., Associate Professor
A.E. Jacobs, M.Sc., Ph.D., Associate Professor
J.D. King, B.A., Ph.D., Associate Professor
P.J. O'Donnell, B.Sc., Ph.D., Associate Professor
J.M. Perez, B.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., Ph.D., Associate Professor
C. Woollett, B.Sc., Instructor

Psychology

P.J. Moray, M.A., Ph.D., Professor (Discipline Representative for Psychology)
V. Senders, A.M., Ph.D., Visiting Professor
G.B. Binderman, B.Sc., Ph.D., Associate Professor
B. Forrin, M.A., Ph.D., Associate Professor
M.C. Smith, B.A., Ph.D., Associate Professor
K.K. Dion, B.A., Ph.D., Assistant Professor
M.G. Efran, B.A., Ph.D., Assistant Professor
J.M. Kennedy, M.Sc., Ph.D., Assistant Professor
A. Kukla, M.A., C.Phil., Ph.D., Assistant Professor (Counselling Co-ordinator for Psychology)
N.W. Milgram, M.A., Ph.D., Assistant Professor
A.S. Ross, M.A., Ph.D., Assistant Professor
M. Smyth, M.A., Visiting Assistant Professor

Division of Social Sciences

Chairman
L. Taranis, B.Comm., M.A., Ph.D.
Associate Chairman
C.J. Sparrow, B.Sc., Ph.D.

Anthropology

T.F.S. McFeat, A.M., Ph.D., Professor
F.D. Burton, B.Sc., M.A., D. Phil., Associate Professor
C.E. Hopen, M.A., Associate Professor
R. Knight, M.A., Ph.D., Associate Professor
H.B. Schroeder, B.A., Ph.D., Associate Professor
G. Schwimmer, M.A., Ph.D., Associate Professor (Assistant Chairman, Anthropology)
R.W. Shirley, M.A., Ph.D., Associate Professor
G. Ellis, M.A., Lecturer
M. Latta, M.A., Lecturer
L. Williams, M.A., Lecturer
M.R. Kleinbinder, M.A., Ph.D., Special Lecturer

Economics

V.W. Bladen, M.A., L.L.D., D. Sci., F.R.S.C., Professor Emeritus and Honorary Lecturer
A.F.W. Plunket, C.R.E., M.A., Professor Emeritus
D.R. Campbell, M.A., B.E.C. and Bar, Professor
L. Taranis, B.Comm., M.A., Ph.D., Professor
J. Buttrick, B.S., M.A., Ph.D., Visiting Professor
M.W. Bucovetsky, M.A., Ph.D., Associate Professor
J. Cohen, M.A., Ph.D., Associate Professor
P. Pelikan, M.Sc., Ph.D., Associate Professor
D.E. Campbell, B.A., Ph.D., Assistant Professor (Assistant Chairman, Economics)
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 1973-74, 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 its 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 Roberts 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 ravine land. The College building is world-renowned for its architectural design. The College is accessible from central Toronto by expressway, 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 a.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 8:00 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 S418C) 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 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-
tain (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 294-3369 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 290 students in 162 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 $845.00, sharing double bedroom $625.00.

Students who wish to apply may obtain application forms from either Student Services Office (Room S-418C, telephone 294-3292) or from the Office of the Comptroller (Room S-4075, Scarborough College, 1265 Military Trail, West Hill, Ontario, M1C 1A4, telephone 294-3174).

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 counseling 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 (267-1606) and Dr. A.M. Brevett (R39-3471). 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 Stanton and members of the psychiatric staff may be made by calling 294-3303 or 926-2443 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 (926-2458).

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 classified 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 294-3303.

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

 Basis 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, (294-3359).

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.

<table>
<thead>
<tr>
<th>Fees for the Summer Session, 1973</th>
<th>Fees for the Summer Session, 1974 will be Announced</th>
</tr>
</thead>
<tbody>
<tr>
<td>Academic Fees</td>
<td>$115.00 for each full course</td>
</tr>
<tr>
<td></td>
<td>$57.50 for each half course</td>
</tr>
<tr>
<td>Incidental Fees</td>
<td>$5.00 for each student registering in the Summer Evening Session</td>
</tr>
<tr>
<td></td>
<td>$8.00 for each student registering in the Summer Day Session or in both the Summer Day and the Summer Evening Sessions.</td>
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</tbody>
</table>

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.


(2) Payment of Fees

Students who have completed pre-registration procedures will be mailed their 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 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 forms, 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 Installments

Students enrolled in one full course or more may, if they wish, pay fees in two installments, the first installment payable at or before registration and the second on or before 15 January, 1975. Payment by installment, however, is more costly than payment of full fees at or before registration. A six dollar ($6.00) installment charge is required of part-time students who pay in installments. (Part-time students are defined as those enrolled in 3 or fewer courses.) A twelve dollar ($12.00) installment charge is required of full-time students who pay in installments. (Full-time students are defined as those enrolled in 4 or more courses.)

The second installment 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 installments 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 installments. 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 installment 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 withdrew. 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 fee 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 fee certificates may be picked up at the Office of the Associate Dean and Registrar; sign will be posted prominently in the College when they are available for pick-up. (Tuition fee 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

*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 294-3292).

(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-register 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.

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.

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

| M-F  | Tuesday | 3 Sept. 12 noon - 4:30 p.m. and 6:00 p.m. - 8:00 p.m. |
| M-F  | Wednesday | 4 Sept. 12 noon - 4:30 p.m. and 6:00 p.m. - 8:00 p.m. |
| M-F  | 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 as soon as possible after the course is withdrawn. 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 as soon as possible after the 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 Recreational 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 professional 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 Arts, French, German, History, Italian, Linguistics, Music, Philosophy, Russian, Spanish)

Divisional Office: H 127; telephone 284-3304.
Life Sciences (Biology, Psychology)
Divisional Office: S-421 A; 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 284-3236

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 book-
list, 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 (Simmcoe Hall, University of Toronto, Toronto M5S 1A1) before 1
June 1974. Separate application must be made for Scarborough College Scholar-
ships 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 excep-
tionally 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 $80,
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 demon-
strate, 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 $900 and less were interest-free loans. For awards over $900, the first
$500 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 attrition 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
study) will automatically be mailed application forms. Other students may obtain

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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. 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 1976.

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
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.

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, those 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 Sciences, 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 Psakul Memorial Bursary. From a fund donated by the family, friends, colleagues and students of the late Dr. Vivian Psakul, 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.
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 maximum 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 Fifty-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- or C-level courses;
(3) obtained a final mark of 60% or better in at least eight full-course equivalents; or 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: GGRB102Y, GGRB203Y, GGRB204Y, GGRB310Y, GGRB311Y, GGRB312Y, GGRB305F, GGRB306F, GGRB307F, GGRB308F, and GGRB309F. In addition the following courses may be used to fulfill B.Sc. requirements for students researching or reading in appropriate scientific areas of Geography: GGRB102Y, GGRB204Y, GGRB301Y and GGRB302Y.

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; or 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:

<table>
<thead>
<tr>
<th>Marks</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>80% - 100%</td>
<td>A</td>
</tr>
<tr>
<td>70% - 79%</td>
<td>B</td>
</tr>
<tr>
<td>60% - 69%</td>
<td>C</td>
</tr>
<tr>
<td>50% - 59%</td>
<td>D</td>
</tr>
<tr>
<td>below 50%</td>
<td>Fail</td>
</tr>
</tbody>
</table>

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 footnotes 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 ('V' or 'V') 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 ('V' or 'V') 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 three 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 this 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, enroll 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-enroll 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 5 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, 22 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 special 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.

Enrollment 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 notify the Office of the Associate Dean and Registrar 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 notify the Office of the Associate Dean and Registrar 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
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. Harden

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. HUMA01
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. HUMC010H
7. At least two courses based upon earlier courses

Taken as part of a twenty-course degree, the student's course of study must include all of the courses required above and also HUMC010S-90.

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:

- ANT803S The Americas: An Anthropological Perspective
- ANT806F Anthropology of Development
- ECO800F Economic Development
- GGR800Y The Geography of Underdevelopment
- GGR900S Canada North of Fifty
- HIS822S British Imperialism in Asia and Africa
- POL612Y Politics and Society in Independent Africa
- POL617Y The Chinese Political System
- [POL693S New Nations in World Politics ]
- POL610Y Modernization and Revolution
- SOC614Y Comparative Social Structure
- SOC616Y Social Change
- [SOC715S Social Change in Latin America ]
- [SOS982Y 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) ANTE23Y Comparative Mytology
(3) Two of the following half-courses:
    ANTH02S Anthropological Study of Religion
    PHLB15 Philosophy of Religion
    SOC320S 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
    [CLAB23Y Christianity in the Greek Roman World]
    [FARB29S Early Christian and Byzantine Art]
    HISC27Y Europe, 400 - 1100
    HISC29F The Witchcraft Crisis, 1500 - 1700
    HISC22Y Religion and English Society, 1850 - 1900
    HISC24S Church-State Relations in Canada
    HUMB07S The Ulysses Factor
    [HUMO08F Orpheus]
    HUMO20Y Primitive Christian Literature and Myth
    ITA321Y Dante and Medieval Culture
    PHLB44F Philosophers of the Middle Ages
    Course 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 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 ECOB13S.
(2) At least five full-course-equivalents in Commerce including COMA01Y, COMB21F, COMB22S, COMB28Y, and COMC02Y.
(3) At least four full-course-equivalents in other fields, including MATA20Y or MATA22Y or MATA65Y and MATA66F or MATA68F, 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, MATA20Y, MATA65F and ECOA02S among their first five courses of study, and COMA01Y, ECOB01Y, ECOB02F and COMB28Y 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:

<table>
<thead>
<tr>
<th>Subject</th>
<th>Number of Full Course Equivalents Required</th>
<th>Qualifying Courses Available at Scarborough College</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accounting</td>
<td>3%</td>
<td>(2) COMA01, COMB21, COMB22</td>
</tr>
<tr>
<td>Taxation</td>
<td>1%</td>
<td></td>
</tr>
<tr>
<td>Computers</td>
<td>1%</td>
<td>(1) MATA65, MATA68</td>
</tr>
<tr>
<td>Quantitative Methods</td>
<td>1%</td>
<td>(1) ECA002, MATB82</td>
</tr>
<tr>
<td>Finance</td>
<td>1%</td>
<td>(1) COMC02</td>
</tr>
<tr>
<td>Economics</td>
<td>1%</td>
<td>(1) Any Economics course</td>
</tr>
<tr>
<td>Law</td>
<td>1%</td>
<td>(1) COMB27</td>
</tr>
<tr>
<td>Management</td>
<td>1%</td>
<td></td>
</tr>
<tr>
<td>Auditing</td>
<td>7%</td>
<td>4%</td>
</tr>
</tbody>
</table>

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:

- ECDA01Y
- MATA56F or MATA56F and ECDA02S
- MATA22Y or MATA22Y or MATA22Y
- ECBO01Y
- ECBO02Y and one of: ECBO115 or ECBO115
- ECBO06F or ECBO08S or ECBO27F or ECBO02F or ECBO21S
- ECBO28Y or ECBO28Y or ECBO08Y or ECBO10F

Three Clevel 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 C or Clevel courses required above.

Students are urged to take ECDA01Y, MATA56F (or MATA56F), ECDA02S, and either MATA22Y or MATA22Y or MATA22Y in their first year of full-time study (or equivalent). MATA22Y, MATA22Y or MATA22Y, courses in Calculus, are recommended as preliminary to ECBO01Y 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: H.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 90% or better in ENGG05Y (ENG406) will be entitled to Specialist Certification providing 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.)

<table>
<thead>
<tr>
<th>Group</th>
<th>Course</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>(1)</td>
<td>ENG001Y</td>
<td>Old English Language and Literature</td>
</tr>
<tr>
<td></td>
<td>ENG002Y</td>
<td>Chaucer</td>
</tr>
<tr>
<td></td>
<td>ENG003Y</td>
<td>Advanced Studies in Beowulf and other Old English Poetry</td>
</tr>
<tr>
<td></td>
<td>ENG004Y (404)</td>
<td>Studies in Middle English Language and Literature</td>
</tr>
<tr>
<td>(2)</td>
<td>ENG002Y</td>
<td>English Prose and Poetry, 1500-1600 (Course offered only on the St. George Campus)</td>
</tr>
<tr>
<td></td>
<td>ENG003Y</td>
<td>English Prose and Poetry, 1600-1800 (Course offered only on the St. George Campus)</td>
</tr>
<tr>
<td></td>
<td>ENG009Y</td>
<td>English Prose and Poetry, 1500-1600</td>
</tr>
<tr>
<td></td>
<td>ENG024Y (412)</td>
<td>Studies in Renaissance Literature</td>
</tr>
<tr>
<td>(3)</td>
<td>ENG010Y</td>
<td>Shakespeare</td>
</tr>
<tr>
<td></td>
<td>ENG012Y (322)</td>
<td>English Drama to 1642</td>
</tr>
<tr>
<td>(4)</td>
<td>ENG011Y</td>
<td>English Poetry and Drama, 1660-1800 (Course offered only on the St. George Campus)</td>
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<tr>
<td></td>
<td>ENG026Y (415)</td>
<td>Studies in Restoration and Eighteenth Century Literature</td>
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<tr>
<td>(5)</td>
<td>ENG056Y</td>
<td>Romantic Poetry</td>
</tr>
<tr>
<td></td>
<td>ENG065Y (346)</td>
<td>Victorian Poetry</td>
</tr>
<tr>
<td></td>
<td>ENG066Y (346)</td>
<td>Victorian Prose (Course offered only on the St. George Campus)</td>
</tr>
<tr>
<td></td>
<td>ENG067Y</td>
<td>Studies in Nineteenth Century Literature</td>
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<tr>
<td>(6)</td>
<td>ENG016Y (324)</td>
<td>Fiction, 1832-1900</td>
</tr>
<tr>
<td></td>
<td>ENG017Y (322)</td>
<td>Fiction before 1832</td>
</tr>
<tr>
<td>(7)</td>
<td>ENG005Y (152)</td>
<td>Canadian Literature in English: An Introduction</td>
</tr>
<tr>
<td></td>
<td>ENG006Y (150)</td>
<td>American Literature: An Introduction</td>
</tr>
<tr>
<td></td>
<td>ENG024Y (219)</td>
<td>Major American Authors</td>
</tr>
<tr>
<td></td>
<td>ENG029Y (354)</td>
<td>Canadian Poetry in English</td>
</tr>
<tr>
<td></td>
<td>ENG032Y (356)</td>
<td>Canadian Fiction in English</td>
</tr>
<tr>
<td></td>
<td>ENG024Y (351)</td>
<td>Topics in American Literature</td>
</tr>
<tr>
<td>(8)</td>
<td>ENG108Y (351)</td>
<td>Forms of Twentieth Century Literature (course offered only on the St. George Campus)</td>
</tr>
<tr>
<td></td>
<td>ENG033Y (338)</td>
<td>Modern Drama</td>
</tr>
<tr>
<td></td>
<td>ENG032Y (348)</td>
<td>Modern Poetry</td>
</tr>
<tr>
<td></td>
<td>ENG033Y (338)</td>
<td>The Modern Novel</td>
</tr>
<tr>
<td></td>
<td>ENG035Y (419)</td>
<td>Studies in Twentieth Century Literature</td>
</tr>
</tbody>
</table>
(9) One of:
   ENGC13Y (467) Seminar in Literary Theory and Practice
   ENGC14Y (468) 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. ENGA44) 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:
   ENGA44Y (165) English Literature: Forms and
   Approaches
   ENGB11Y (130) Varieties of Drama
   ENGB14Y (120) Varieties of Fiction
   ENGB16Y (240) English Poetry
   ENGB28Y Contemporary Literatures in English:
   West Indies, India, Africa and
   Australia
   [ENGB38Y] Literature of Utopia
   [ENGC11Y] Paradise Lost
   ENGC28Y Ezra Pound

The student may also take the following courses, offered only on the St. George
Campus.
   [ENGJ12] Major British Writers
   [ENGJ24] Medieval Literature to 1500
   [ENGJ26] Varieds of Biography
   [ENGJ34F] Restoration and Eighteenth Century
   Drama
   [ENGJ369] Seminar in Writing
   [ENGJ46] History of the English Language
   [ENGJ470-series courses] Special Seminars

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

Fine Art

Supervisor: Studies: G. Scavelli
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) FARAD4Y
(2) One full-course equivalent chosen from the Classical and Medieval periods:
   FAR8015, FAR8215, FAR8259, FAR8295, FAR830F, FAR8315, FAR835F.
(3) Two full-course equivalents chosen from the Renaissance or Baroque periods:
   FAR802Y, FAR817Y, FAR820Y, FAR822Y.

(4) Two full-course-equivalents chosen from Modern and Canadian Art: FAR812F,
   FAR8145, FAR820Y, FAR828Y, FAR843F.
(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
    FAR807F and FAR815S or one from another discipline with direct
    relevance to Fine Art (e.g. HUM82F 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 FAR820Y as one of their
    C-level courses, or to add another B-level Studio course to their degree pro-
    gramme.)
(6) FAR820F and FAR8215 and two full-course-equivalent B-level Studio
    courses.

French

Supervisor: 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: Studies: M.F. Bunce
Students should complete nine full courses (or equivalent) in Geography, including
the following:

(1) GGR802Y Geographic Methods II: Analytical and Quantitative Methods
(2) GGR831Y Supervised Research
(3) GGR812F 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 GGR802 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 Geographics courses offered on that Campus.

German

Supervisor of Studies: N. Witzmann

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:

GERC204 Stylistics
GERC320F Middle High German (Course available only on the St. George Campus)
GERB17Y (The German Novel from Goethe to Grass) does not count towards fulfillment of these requirements.

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

First Year:  
  First Term: GERAI1  
  Second Term: GERAI1, 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: GERB20F, 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 HISAI01Y and five advanced courses (HISB10 – HISC109). 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 fulfill 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 (PHLB10F) and Metaphysics (PHLB00F).

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  
(2) PHLA02Y Philosophic Classics  
(3) PHLB11S Plato and his Predecessors I  
(4) PHLB11F Plato and his Predecessors II  
(5) PHLB43Y Aristotle and Later Greek Philosophy I  
(6) Four further half-courses

Greek:
(1) GRKA01Y Introductory Greek  
(2) GRKB01F Plato, Apology, Lysis in Eratosthenem  
(3) GRKB11S Homer Odyssey  
(4) GRKB12S Herodotus  
(5) Four half-courses in Supervised Reading (GRK333-335)  
(6) One full course (or equivalent) from the following:
  CLAB01Y Greek and Roman Epic  
  CLAB02Y Greek and Roman Tragedy  
  CLAB03Y Greek and Roman Comedy  
  CLAB21Y Greek and Roman Religion  
  CLAB22S Christianity in the Greco-Roman World (Course not offered in 1974-75)
Physics
Supervisor of Studies: H.C. Corbin

Students should complete the following four and one-half courses:

1) In the first year of full-time study (or equivalent):
   - PHYA01Y Elementary Mechanics
   - MATA40F Introduction to Linear Algebra
   - MATA465 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
   - PHYB06F 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:
   - MATB44S Applied Mathematics and Mechanics
   - MATB55F Analysis
   - MATB66F Differential Equations I
   - MATB69S Analysis II
   - MATB75S Differential Equations II
   - MATC05F Complex Analysis I

4) In the fourth year of full-time study (or equivalent), the following courses:
   a) PHY335 Thermodynamics (Course available only on the St. George Campus; students intending to specialize in Meteorology should take PHY352 prior to their last five courses)
   b) PHYC110Y Relativity and Cosmology
   c) Two 400-series courses in Physics on the St. George Campus
   or
   d) 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
Sociology

Supervisor of Studies: W.W. Isel/w

Students should complete at least seven full courses (or equivalent) in Sociology, including the following:
1) One course in research methods (e.g. SOC801Y, Methods in Social Research)
2) One course in Sociological Theory (e.g. SOC802Y, History of Social Thought)
3) At least two C-level courses

These courses are to be selected in consultation with the students' advisors and are intended to provide a broad introduction to sociology at the undergraduate level.

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 advisor for these students will assist them in selecting courses reflecting current requirements for entry into professional schools of Social Work. The special advisor is Professor R.L. James.

Urban Studies

Students interested in urban studies with sociological emphasis should consult with the special advisor in urban studies. A variety of course combinations are available in urban studies. Emphasis may be on urbanization and urbanism, urban problems, 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 Sciences, and Anthropology. The special advisor 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: SPAB01Y (students without Grade 13 Spanish) or SPAB02Y (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 in Texts
   SPAB00F Cultural Aspects of Spain and Latin America
   Survey of Literature courses: SPAB11Y, SPAB19Y, SPAB28S
   Modern Literature courses: SPAB13F, SPAB17F, SPAB22F, SPAB26F, SPAB30S, SPAB33F, SPAB34S
   Golden Age Literature courses: SPAB26F, SPAB28S
   SPAB12F Medieval Literature
   SPAB11F Stylistics and Translation
   SPAC01C0 Supervised Reading

Information on the suggested sequence, scheduling, and distribution requirements of these courses may be obtained from the Supervisor of Studies or 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. Students may choose to study at a French or English language university.

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 study 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 has 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 or against the proposal to the Sub-Committee, and for appointing a faculty supervisor for the student. Notice of provisional acceptance is issued by 16 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 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.
  ANT A07Y "ANT" indicates a course in Anthropology
  CHM 905Y "CHM" indicates a course in Chemistry
  PHLC 975S "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, ANT A01Y is an introductory course in Anthropology, CHM 905Y is an intermediate level course in Chemistry, PHLC 975S 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, those 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, ANT A101Y is an introductory course in Anthropology taught throughout the session and worth a full-course credit. PHLC 975S 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.

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(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, prerequisite or corequisite 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 title of 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: T3F/10/T41/1, T43/1
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: T3F/10/T41/11
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 subfields: Social-Cultural Anthropology, Prehistoric Archaeology, Physical Anthropology and Anthropological Linguistics. At the present time Scarborourgh 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:

INSC05Y Quaternary Environments and Man

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.
ANTB016S  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.
Prerequisite: ANTA01

ANTB17S  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. McFae.
Prerequisite: ANTA01

ANTB19F  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. McFae; M. Kleindienst.
Prerequisite: ANTA01

ANTB19F  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: [ANTA22]
Prerequisite: ANTA01

ANTB20Y  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. Hapten.
Exclusion: [ANTA03]
Prerequisite: ANTA01

ANTB21F  Cultures of North America
A survey of the indian 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

ANTB14V  Human Evolution
Course offered only in 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; ANT815 or (BIOS14)

ANTB15V  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. B. Ellin.
Prerequisites: ANTA01 or ANTB14
Primate Behaviour 2L: M114-1, IP: T1
A general review of primate behaviour in its ecological setting.
F.D. Burton
Prerequisite: ANTA01 or PSYA01 or BIOA03

Comparative Mythology 2L: TR2
This interdisciplinary course deals with the nature of myth
from the viewpoints of Anthropology, Philosophy, Ethnography, 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.

Comparative Study of Group Cultures Course not offered in 1974-75.

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

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 Near and Old Worlds. H.B. Schroeder.
Prerequisite: ANTA01

Archaeological Field Methods
An introduction to archaeological excavation and mapping
techniques. Classwork will include four full weekends spent in
excavation of a prehistoric Indian site near Scarborough
College. M. Latta.
Exclusion: (ANTA13)
Prerequisite: ANTA01

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

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. Kleinienie and M. Latta.
Prerequisite: ANTA01

Systems of Thought
Course offered in only the Summer Day Session, 1974.
One universal characteristic of man 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.D. Schwimmer.
Prerequisites: ANTB02; permission of instructor

Advanced Reading and Research in Anthropology
Prerequisite: Permission of instructor

Advanced Reading and Research in Anthropology
Prerequisite: Permission of instructor

Canadian Cultures
Course not offered in 1974-75.
Prerequisite: Permission of instructor

Problems in Human Evolution
2L: M2T11
An investigation of the view (Fischer 1914, Dobzhansky 1962,
Leakey 1963) that human evolution has been a process of
demestication 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

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. Hapen.
Prerequisite: One 3-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 the physical universe, ranging from the planetary system in which we live to the most distant galaxies and quasars which can be seen only as they were before man 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 ASTC10, while ASTC10 presents, in detail, Einstein’s general theory of relativity and some of its applications.

ASTA02Y
A Survey of Astronomy and Elementary Astrophysics

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 12 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; radio astronomy; quasars and their significance; cosmology; pulsars; recent satellite-born infrared, ultraviolet 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

A course designed primarily for students with no science background which contains a description of the extraterrestrial 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 origins 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

ASTC10Y
Readings in Astrophysics
Prerequisites: ASTB01; permission of instructor

ASTC10Y
Readings in Cosmology
Same course as PHYC04Y. A brief review of the special theory of relativity and of the mathematical background of general relativity. 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: MATH46; 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 (284-2291).

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

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

- **BIO02Y** Basic Microbiology
- **BIO05Y** Genetics
- **BIO06Y** Plant Physiology
- **BIO08Y** Invertebrate Zoology
- **BIO12Y** Fundamentals of Ecology
- **BIO13Y** Plant Structure and Development
- **BIO17Y** General and Comparative Physiology
- **BIO22Y** Comparative Vertebrate Morphogenesis
- **BIO23Y** Developmental Biology
- **BIO24Y** Plant Kingdom
- **BIO27Y** Comparative Vertebrate Histology

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

- **BIO03S** Ecology and Physiology of Algae
- **BIO11Y** Animal Populations and Evolution
- **BIO15Y** Aquatic Systems
- **BIO18Y** Metabolic Control Mechanisms
- **BIO19S** Biology of Macromolecules
- **BIO20F** Cell Utrastructure
- **BIO21Y** Marine Biology
- **BIO25S** Structure of Bacteria
- **BIO26F** Field Course in Aquatic Biology
- **BIO30F** Phytosynthesis — Methods and Techniques
- **BIO31F** Insect Structure and Function
- **BIO32Y** Aquatic Plant Ecology
- **BIO33F** Physiological Plant Ecology
- **BIO34S** Comparative Terrestrial Ecosystems
- **BIO35Y** Introductory Biochemistry
- **BIO36H** 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

- **BIO02Y**

  Introductory Biology  
  2L: M1W12/T4R1, 3P
  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. M.F. Fitto.  
  Exclusions: (BIO041); (BIO042)

- **BIO03S**

  Ecology and Physiology of Algae  
  A lecture and laboratory course in 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. Spanier.  
  Prerequisites: (BIOA01) or (BIOA02) or (BIOA03)

- **BIO05Y**

  Genetics  
  2L: W9R4, 3P: M2S/W2-S
  A lecture and laboratory course in cytogenetics and the genetics of bacteria, fungi and Drosophila. M.F. Filos.  
  Prerequisites: (BIOA01) or (BIOA02) or (BIOA03)

- **BIO06Y**

  Plant Physiology  
  A basic lecture and laboratory course on the general physiology of plants. G.F. Izzazzam.  
  Prerequisite: (BIOA01) or (BIOA03)

- **BIO08Y**

  Invertebrate Zoology  
  2L: M1W10, 3P
  A lecture-laboratory course dealing with the anatomy, taxonomy and evolution of invertebrate animals, from protozoa to echinoderms, with special reference to the parasites of human. P.A. Upton.

- **BIO11Y**

  Animal Populations and Evolution  
  A study of the process of inheritable changes in animal populations with special regard to population genetics, population dynamics and species diversity. I.M. Campbell.  
  Corequisite: BIO005

- **BIO12Y**

  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. Montaelli.  
  Prerequisite: BIOA03

- **BIO13Y**

  Plant Structure and Development  
  Course not offered in 1974-75.

- **BIO15Y**

  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. Mantovani; C. Sparring. Prerequisites: B10A01 or B10A02 or B10A03 Corequisites: B10B82; B10B83 is recommended but not required

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: B10B80I
Prerequisite: B10A01 or B10A02 or B10A03 Corequisites: CHMB05; B10B18F is recommended but not required

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. Farrantsam. Prerequisite: B10A01 or B10A03 Corequisites: B10B35; B10B19 is recommended but not required

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 enrollment: 36. I.R. Brown. Exclusion: B10B01
Prerequisite: B10A01 or B10A02 or B10A03 Corequisites: B10B16 is recommended but not required

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. Youon. Exclusion: B10B04
Prerequisite: B10B16 or B10B13 or B10B27

Marine Laboratory
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; search; Fisheries; Berthoos Ecosystems; Organic Carbon Cycling; Ecology of Rocky Shores; Seaweeds: Physiology of marine animals; F.A. Urquhart. Prerequisites: B10A03, B10B08

Comparative Vertebrate Morphogenesis
2L: TH10, 3P; R12/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. Youon; C.K. Govind. Exclusions: B10B07; B10B18

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 fundamental to development. I.R. Brown; R.E. Dengler; M.F. Filosa. Exclusion: B10B07
Prerequisite: B10A01 or B10A02 or B10A03

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.

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. Knigley. Prerequisites: B10B02 Corequisites: CHMB05; B10B20 is recommended but not required

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 enrollment: 20. M. Mantovani; C. Sparring. Prerequisites: B10A03; B10B15; permission of instructors; B10B12 is recommended but not required Corequisites: B10B03 is recommended but not required

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. Younossi.
Exclusions: BIO816; BIO801
Corequisites: BIO822 and BIO820 are highly recommended but not required

**BIO828**

Embryology
The section consists of the first term of BIO822.
C.K. Gumbs.
Exclusions: BIO807; BIO829.
Prerequisite: BIO816

**BIO829**

Comparative Anatomy
The course consists of the second term of BIO822. The structure of adult vertebrate body systems with reference to their development and evolution. J.K. Younossi.
Exclusions: BIO816; BIO828
Prerequisite: BIO807

**BIO830**

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: BIO815
Corequisite: BIO803

**BIO831**

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 behavior, respiration, digestive and host-plant relationships. J.M. Campbell; C.K. Gumbs.
Prerequisites: BIO803; BIO808

**BIO832**

Quaternary Plant Ecology
An examination of the methodology, results and implications of pollen, nannofossil 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: NCC463; BIO812

**BIO833**

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 discussed.
Prerequisites: BIO806; BIO812

**BIO834**

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 forest to arctic tundra.
Prerequisite: BIO812

**BIO835**

Introductory Biochemistry
A seminar course in General Biochemistry, consisting of an introduction to Macromolecular Biochemistry, and Metabolic Biochemistry.
Exclusions: BIO801; BIO835; CHEM808
Prerequisites: BIO801 or BIO802 or BIO803; CHEM805

**BIO836**

Laboratory in Biochemistry
An introduction course in general Biochemistry.
Exclusion: CHEM36
Prerequisites: BIO801 or BIO802 or BIO803; CHEM805
Corequisite: BIO836

**BIO837**

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: BIO801; BIO805
Prerequisites: Satisfactory completion of 15 full-course equivalents, of which at least four must be Biological Science B-level courses

**BIO838**

Advanced Cell Metabolism
A seminar and laboratory course on current research in cell metabolism. G. F. Lonsway.
Prerequisites: Satisfactory completion of 15 full-course equivalents, including BIO818

**BIO839**

Marine Invertebrate Ecology
An advanced field/laboratory seminar course dealing with the marine invertebrates in relation to their environment. Field studies at Cariaco (south Atlantic); experimental studies conducted in the college marine ecology laboratory. Limited enrollment: S. F. A. Urquhart.
Prerequisites: BIO803 or Grade 13 Biology; BIO818; 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.*
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: CHMB01 (Inorganic), CHMB02 (Physical), CHMB03 (Organic) and CHMB06 (Biochemistry).

- For those who wish to enroll 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

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
<th>Prerequisite</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHMA01 or A02; CHMB01; CHMC01</td>
<td>St. George Series</td>
<td>430 credits</td>
<td></td>
</tr>
<tr>
<td>CHMA01 or A02; CHMB03; CHMC04</td>
<td>420 credits</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CHMA01 or A02; CHMB05; CHMC03</td>
<td>440 credits (except 447)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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 programs. Thus, the suggested first-year program in Chemistry includes CHMA01 or CHMA02, MATA05 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, PHYQ01.

**Principles of Chemistry**

- **CHMA01Y**
  - 2L: M1259, IT: T1 or 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**
  - 2L: M1259/MAF10, IT: T1, 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 program 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**
  - 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.
  - Prerequisites: CHMA01 or CHMA02

- **CHMB02Y**
  - Analytical Chemistry
  - Prerequisites: 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**
  - 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: T1 or W1, 3P
  - The chemistry of the principal functional groups encountered in aliphatic and aromatic compounds. Interpreted in terms of reactivity, stereochemistry and reaction mechanisms. An
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); GRH801

Other courses chosen from: GRH802, GRH824, GRH825, GRH826, CLAB01, CLAB02, CLAB06, CLAB21, CLAB23, FARB21, FARB22, FARB31, HUMB07, HUMB08, HUMB21, HUMB22, HUMB25, HUMB41, HUMB43, LINB04, PHL840, PHL841, PHL842, PHL843.

Roman Studies

Core programme: three full courses in the Latin language (or their equivalent in half courses); GRH803

Other courses chosen from: GRH802, GRH824, GRH827, GRH828, CLAB01, CLAB02, CLAB06, CLAB21, CLAB23, HUMB21, HUMB22, HUMB23, HUMB24, LINB04.

Greek and Roman Studies

Core programme: three full courses (or equivalent) in each of Latin and Greek; GRH801, GRH803.

Other courses chosen from the lists above.

Students interested in Classical Studies should also refer to:

- FAR830F Certe and the Mycenaean World
- FAR831S Classical Greek Sculpture
- HUMB07S The Ulysses Factor
- HUMB22F The Age of Pericles
- HUMB24S The Age of Nero
- HUMB13Y Seminar in Literary Theory and Practice
- PHL841F Plato and his Predecessors I
- PHL841S Plato and his Predecessors II
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, Lucian’s Phantastika. 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.

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,
Euipides and Seneca. All texts will be read in translation.
J. N. Grant.

Greek and Roman Comedy
Course not offered in 1974-75.

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. N. Curdett; J. R. Warden.

Christianity in the Greco-Roman World
Course not offered in 1974-75.

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.

Greek and Roman History from the Death of Alexander to the
Graeco
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.

Roman History from the Graeco to Nero
A study of the Roman Republic as a social and political or-
organization, and as a “world power”: the collapse of the
republican system of government and the reconciliation of
Republican with military despotism and increasing
bureaucracy. This course will emphasize close study of the

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.

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 Alex-
ander’s conquests). A. Boddington.
Prerequisite: GRH801, or any related GRH, CLA or HUM course.

Studies in Greek History II (c. 800-300 B.C.)
Course not offered in 1974-75.
Prerequisite: GRH801, or any related GRH, CLA or HUM course.

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 to 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 student will,
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. Carritt.

Studies in Roman History
Course not offered in 1974-75.
LATB1F
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. Wardle.
Prerequisite: LATB01

LATB22
Moraes
Course not offered in 1974-75.

LATB30F
Supervised Reading

LATB31F
J. N. Grant.
Prerequisite: LATB01 or LATB02

LATB32F
Supervised Reading

LATB33F
J. R. Wardle.
Prerequisite: GRKB11 or GRKB12

LATB34F
Supervised Reading

LATB35S
J. R. Wardle.
Prerequisite: GRKB11 or GRKB12

LATB36S
LATB37S
LATB38S
LATB39S
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. J. R. McDonald.
Prerequisite: Grade 13 Latin or (LAT001) or LATAG1

LATB02S
Caius
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 LATAG1

LAT01F
Independent Studies
J. R. Wardle.
Prerequisites: At least two of LATB21, LATB22, LATB30-31, LATB35-39; permission of instructor

LAT02S
Independent Studies
J. R. Wardle.
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 ECO208.

COMA01Y
Financial Accounting
Basic theory and concepts which underlie the preparation of financial statements; development of double entry theory and
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

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 behavior are established.
Prerequisite: COMB21

Managerial Economics
Same course as ECOB25Y. Course not offered in 1974-75.
Exclusion: ECOB26
Prerequisite: ECOA01 or (ECOA03)

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 MATA65
Corequisite: ECOB01

Organizational Behaviour
Same course as ECOB27Y. Course offered only in 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 interorganizational 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. Howart.
Exclusions: SOCB27, ISOCC02
Prerequisite: One previous course in Sociology, Commerce, Economics, or Political Science

Corporation Finance
Same course as ECOO02. 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: ECOO02
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.

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: 26. M.G. Schonberg

The Directors' Theatre 2L:M9W2
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.G. 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 (ECO01); the initial courses — Microeconomics (ECO101) and Macroeconomics (ECO102); 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 (ECO203 or ECO204), a course in the literature of economics (ECO201 or ECO202), or the course in Comparative Economic Systems (ECO201). 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 listed 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.

ECO01 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.

ECO12S Quantitative Methods in Economics 2L-W1R10
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: ECO101
Prerequisite: MAT106 or MAT108
Corequisite: ECO101 or (ECO103)

ECO101 Price Theory 3L-M3W3F1
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 ECO101 will be offered for students who have previously taken a course in Calculus: MAT101, MAT212 or MAT212, MAT215, M. Krashinsky. Prerequisite: ECO101 or (ECO103)

ECO102F 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: ECO101 or (ECO103)

ECO203Y North American Economic History 3L-NOR1R10
Course not offered in 1974-75. Prerequisite: ECO101 or (ECO103)

ECO204Y European Economic History 3L-NOR1R10
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: ECO101 or (ECO103)

ECO207S Economics of the Public Sector: Taxation 3L-NOR1R10
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: ECO101 or (ECO103)

ECO208F Economics of the Public Sector: Expenditures 3L-NOR1R10
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: ECO101 or (ECO103)

ECO209F Economic Development 3L-NOR1R10
A study of growth and development with the aim of devising policies to promote the development of less developed countries and regions. Prerequisite: ECO101
Corequisite: ECO102

Comparative Economic Systems 3L-NOR1R10
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
ECOB115 Money and Banking 2LMW2
The focus will be on analysis of monetary theory and monetary policy. Prerequisite: ECOA01 or (ECOA03)

ECOB12F International Economics: Finance 2LMF11
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. Tashia. Prerequisite: ECOA01 or (ECOA03)

ECOB13S International Economics: Trade Theory 2LT1S
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 Economic Community tariff bargaining. The Canadato U.S. Auto Pact. M. Krabinsky. Prerequisite: ECOA01 or (ECOA03) Corequisite: ECOB01

ECOB14S Labour Economics 2LT1S
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. Gundersen. Prerequisite: ECOA01 or (ECOA03)

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 only in 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. Gomella. Prerequisite: ECOA01 or (ECOA03)

ECOB18S Macroeconomic Policy
An examination of public policies for influencing and controlling the level of national income, employment, and the price level. J. Genello. 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 (ECOA03) 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 (ECOA03) Corequisite: ECOB01

ECOB25Y Managerial Economics
Same course as COMB25Y. Course not offered in 1974-75. Exclusion: COMB25 Prerequisite: ECOA01 or (ECOA03)

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 Prerequisite: ECOA02; MATA22 or MATA26 or MATA55 Corequisite: ECOB01

ECOB27S Collective Decision-Making
Same course as POLB27S. Course not offered in 1974-75. Exclusions: POLB27; (ECOS04) Prerequisite: One A-level course in Economics or Political Science

ECO20Y Corporation Finance
Same course as COMB20Y. 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: COM/O2 Prerequisite: ECOB01
Economometrics
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)

Location Theory
Same course as GGRG105. Industrial location theory of individual and sets of activities under various spatial market environments, especially oligopoly, oligoply and imperfect competition. The course will begin with an appraisal of traditional Weberian theory and proceed through the works of Lösch and hard to consider the more recent theories of Greenhut, Moses, Churchill, Scott and others. Limited enrollment: 20. G.J.D. Hewings. Exclusion: GGRG110
Prerequisites: Any two 100-level courses in Economics or Geography

Supervised Reading
Prerequisite: Permission of instructor

Supervised Reading
Prerequisite: Permission of instructor

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

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

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 course 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. Naimushin.

ENGA05Y Canadian Literature in English: an Introduction 2L (8 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:
Old English Language and Literature
Course not offered in 1974-75.

Chaucer
Prerequisite: One course in English

English Poetry and Drama 1660-1800
Prerequisite: One course in English

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 enrollment: 30. H. Jackson.
Prerequisite: One course in English

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 enrollment: 30. M. C. Creelman.
Prerequisite: One course in English

Prose and Poetry of the English Renaissance, 1500-1660
More, Utopia; Machiavelli, The Prince; Sidney, Apology for Poetry, Astrophel and Stella; Spenser, Shepherds Calendar, Amoretti, Epithalamion, Hymnes, Faerie Queene (Books I and 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 enrollment: 30. W. J. Howard.
Prerequisite: One course in English

Shakespeare
Exclusion: ENGA02

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. Tart.

English Drama to 1642
Prerequisite: One course in English

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.

English Poetry

Fiction 1832-1890
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 enrollment: 60. K. Truel.
Prerequisite: One course in English

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 enrollment: 60. H. Jackson; J. Kay.
Prerequisite: One course in English
ENG24Y  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 enrollment: 60. M.C. Creelman,
J. Kay.
Prerequisite: One course in English

ENG26Y  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. Nampalo.
Prerequisite: One course in English

ENG27Y  Canadian Fiction in English
A study of prose fiction in Canada from its beginnings to the
present. Twenty works, by Brooke, Hatfield, Moodie, Duncan,
Grove, Callaghan, MacLennan, Laurence, Davies, Richter, and
others; a selection of short stories. T. Long.
Prerequisite: One course in English

ENG28Y  Contemporary Literatures in English: West Indies, India,
Africa and Australia
Course not offered in 1974-75.
Exclusions: (LIT304), (HUM304)
Prerequisite: Normally "B" Standing in one English course

ENG31Y  Modern Drama
A study of developments in English, American and European
drama from Ibsen to the present. The course will include plays
by Chekhov, Ionesco, Beckett, Synge, Yeats, Eliot, O'Neill,
Albee, Osborne, Auden, Pinter, Brecht, Whiting. Some practical work in play
Prerequisite: One course in English

ENG32Y  Modern Poetry
A study of Yeats, Eliot, Auden, Stevens, Thomas, Frost, and
selections from other poets. M. C. Kirkham.

ENG33Y  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, Nordstrom; 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 enrollment: 60. M.C. Creelman; K. Thiel.
Prerequisite: One of: ENGA40, ENGB14, ENGB15, ENGB17

ENG36Y  Literature of Utopias
Course not offered in 1974-75

ENG37Y  Advanced Studies in Beowulf and Other Old English Poetry
Course not offered in 1974-75.
Prerequisite: ENGB01

ENG38Y  Studies in Middle English Language and Literature
Course not offered in 1974-75.
Exclusion: ENGB03
Prerequisite: ENGB01 or ENGB02

ENG39Y  Studies in Renaissance Literature
Limited enrollment: 15. E. P. Vicari.
Prerequisite: Normally "B" Standing in ENGB09Y; two other
courses in English

ENG40Y  Studies in Restoration and Eighteenth Century Literature
Limited enrollment: 15. H. Jackson.
Prerequisite: Normally "B" Standing in three courses in English
with at least one in the literature of the Restoration and/or
eighteenth Century

ENG41Y  Studies in Nineteenth Century Literature
Limited enrollment: 15. A. C. Thomas,
Prerequisite: Normally "B" Standing in three English courses

ENG42Y  Studies in Twentieth Century Literature
Detailed examination of Yeats, Eliot, Lawrence, Williams,
Prerequisite: Normally "B" Standing in three English courses

ENG43Y  Paradise Lost
Course not offered in 1974-75.
Prerequisite: Normally "B" Standing in three English courses

ENG44Y  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, ENGB15, ENGB17,
ENGB33

ENG45Y  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 enrollment:
30. E. P. Vicari.
Exclusions: (HUMC02); HUMC13
Prerequisite: Normally "B" Standing in three English courses
ENGC14Y  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 preregistration 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

ENGC15Y  Comprehensive Examinations  
Prerequisite: Normally “B” Standing in three English courses

ENGC22F  Contemporary Press  
Course not offered in 1974-75.  
Prerequisite: Normally “B” Standing in one English course

ENGC24Y  Topics in American Literature  
Course not offered in 1974-75.  
Prerequisites: One of ENGA06, ENGB21, ENGB22, ENGB24; one other B-level English course

ENGC26Y  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 enrollment: 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 - $50 for materials for each half course.
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. Siebehoff.
Corequisite: FARAO4

Baroque Painting in The Netherlands
The course considers the Golden Age of Netherlands 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. Siebehoff.
Corequisite: FARAO4

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. Loew

Archaic Sculpture (700-480 B.C.)
Course not offered in 1974-75.
Prerequisite: One A-level course or half-course in Fine Art

High Gothic Architecture
Course not offered in 1974-75.
Corequisite: FARAO4

The Arts in Northern Europe ca. 1400-1630
Course not offered in 1974-75.
Corequisite: FARAO4

Baroque Art 1600-30
Course not offered in 1974-75.
Corequisite: FARAO4

Art of the Twentieth Century
Course not offered in 1974-75.
Corequisite: FARAO4

Early Christian and Byzantine Art
Course not offered in 1974-75.
Corequisite: FARAO4

Cretan 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.

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 (400-300 B.C.) M.C. Shaw.
Prerequisite: One A-level course or a FAR half-course

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 1330 and ca. 1390. The following painters will be studied: Duilio, Giotto, Simone Martini, Ambrogio and Pietro Lorenzetti, G. Scavelzi.
Corequisite: FARAO4

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, Gericault, Degas, Cezanne, Late, Van Dali, Chagall, Miró, Gorki and Pollock.
Corequisite: FARAO4

Drawing I
Prerequisite: FARAO7; permission of instructor

Painting I

Printmaking I: Silkscreen Printing
Prerequisites: FARAO7; FARAO1

Constructivism.
Prerequisites: FARAO7; FARAO1
Printmaking: Lithography
An introduction to stone lithography edition printing involving a detailed investigation of materials and techniques.
Prerequisite: FAR872 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
Prerequisite: At least 2 B-level courses in Art History;
Permission of instructor must be obtained by first week of classes.

FARC08F
Studies in the High Renaissance, 1480-1520
Course not offered in 1974-75.
Prerequisite: FARC037Y.

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. Scarrilli.
Prerequisite: FARC087Y.

FARC14F
Art Around 1900
Course not offered in 1974-75.
Prerequisite: FARC13, FARC14.

FARC19S
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 will also be discussed.
Particular stress will be placed upon the career of Pablo Picasso. S. Welsh.
Prerequisite: FARC19S; 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.
Prerequisite: At least 2 B-level studio courses; FARC28; 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 offered by 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 FREA11 and FREA12, FREA11 and FREA12 are designed for those students not intending to specialize in French, and do not count towards fulfillment of the requirements for specialization.

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
Introduction to French
4L: MTWFr/MTWFr/MTWFr/MTWFr/MTWFr
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 classroom instruction in written and oral French. The course is open only 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. Mox; 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. Currie; others.
Prerequisite: Grade 13 French, or at least 70% in FREA00, or equivalent.
Introduction to Literary Analysis
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: FREB01

FREB05S
Conversation II
A continuation of FREB04. L.B. Mignault.
Prerequisite: FREB01

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 Jolin, 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 analyzing 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 Flaubert, 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'homme machine" to "l'homme absurde". L.B. Mignault.
Prerequisite: FREB01

FREB25Y
Introduction to French Linguistics
Study of linguistic theories from the beginning of the twelfth century as applied to modern French. W.J. Kirkness.
Prerequisite: FREB01

FREB26Y
The Romantic Current in French Literature
Course not offered in 1974-75.
Exclusion: FREB09
Prerequisite: FREB01

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 FREB28 as a companion course. P.C. Moss.
Prerequisite: FREB01

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 FREB29 as a companion course. P.C. Moss.
Exclusion: FREB28 in 1971-72 and previous sessions
Prerequisite: FREB01

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 FREB 31. J.A. Curtis.
Prerequisite: FREA 01

FREB 31S
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 FREB 30. L.E. Doucette.
Exclusion: FREB 30 in 1973-74 and previous sessions
Prerequisite: FREA 01

FREB 32F
The Writer and Nineteenth Century Society
A study of major realist 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 FREB 33 as a companion course. W.J. Bancroft.
Exclusion: FREB 10
Prerequisite: FREA 01

FREB 33S
Readings in Nineteenth Century French Fiction
A study of the French individualist novel, with emphasis on the theme of love. Novelist studied will include Stendhal, Fromentin and Constant. Students are urged to consider taking FREB 32 as a companion course. W.J. Bancroft.
Exclusions: FREB 10; FREB 32 in 1971-72 and previous sessions
Prerequisite: FREA 01

FREB 34F
Readings in Twentieth Century French Fiction
Course not offered in 1974-75.
Exclusions: FREB 12
Prerequisite: FREA 01

FREB 35S
Ideas in Twentieth Century French Fiction
Course not offered in 1974-75.
Exclusions: FREB 12; FREB 34 in 1971-72 and previous sessions
Prerequisite: FREA 01

FREB 36F
French-Canadian Literature to 1945
Course not offered in 1974-75.
Exclusion: FREB 16
Prerequisite: FREA 01

FREB 37F
French-Canadian Literature since 1945
Course not offered in 1974-75.
Exclusions: FREB 18; FREB 36 in 1971-72 and previous sessions
Prerequisite: FREA 01

FREB 38F
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: FREA 01

FREB 40F
The Poetry and Prose of the Golden Age
Course not offered in 1974-75.
Exclusion: FREB 22
Prerequisite: FREA 01

FREB 42F
General History of the French Language
Course not offered in 1974-75.
Exclusions: FREB 30, 1969-70; FREB 23
Prerequisite: FREA 01

FREB 43S
The French Language in Canada
Course not offered in 1974-75.
Exclusions: FREB 30, 1969-70; FREB 23
Prerequisite: FREA 01

FREB 44F
The Intellectual Explosion: The French "Philosophes" in the Age of Enlightenment
Course not offered in 1974-75.
Exclusions: FREB 30, 1969-70; FREB 24
Prerequisite: FREA 01

FREB 45S
French Literature in the Age of Enlightenment
Course not offered in 1974-75.
Exclusions: FREB 30, 1969-70; FREB 24
Prerequisite: FREA 01

FREB 46F
Principles of Lexicology and their Application to Modern French
Course not offered in 1974-75.
Prerequisite: FREA 01

FREB 48Y
Theoretical and Practical Phonetics
This course will comprise the following: (1) General principles of French phonetics, phonetic readings, phonetic transcription, correct pronunciation, the study of the relationship between spelling and pronunciation. (2) Analysis and discussion of recordings used in the language laboratory; use of tapes in the classroom. (3) Audition of a wide range of recorded materials: genres, styles, social and regional variants. G. Trembley.
Prerequisite: FREA 01

FRECO 0Y
Language Practice
This course is a continuation of FRECO 0Y and includes reading, grammar, composition, stylistic exercises, discussion and/
or delusae. 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
Supervised Reading
Prerequisite: One 3-level course in French, excluding FREB11 and FREB12; permission of instructor

FREC03F
Supervised Reading
Prerequisite: One 3-level course in French, excluding FREB11 and FREB12; permission of instructor

FREC08F
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.

FREC1OF
"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 3-level course in French, excluding FREB11 and FREB12.

FREC22F
Introduction to Medieval French Language and Literature
An introduction to old French language and the study of representative works in the following genres: epic, "courtisais" and "beauceois" literature. G. Nemer. Prerequisite: One 3-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 Gueneau; the eternal myth of the land in Goéfré; and the anti-novel of Butler. S. Mitter. Prerequisite: One 3-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 3-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-TT10JT
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. Searany.

GGRA06F
Introduction to Geography: Environmental Analysis
2L-TT11-1; 2T-W10-12/W24 (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 soil systems, resource identification and analysis, and environmental hazards with particular attention to environmental pollution. K.E. Francis. Exclusion: (GGRA022)
Introduction to Geography: The Surface of the Earth
2L: T1-1, 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 atmosphere. Emphasis will be placed on surface morphology and the process-response relationships existing between the sedimentary agents and the earth materials. B. Greenwood.
Exclusion: (GGRA02)
Prerequisites: None. A background in Science would be helpful but is not essential.

Introduction to Geography: Regional Analysis
2L: M11/W2, T
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)

Introduction to Geography: Spatial Analysis
2L: M1/W2, T
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.O. D. Hewings.
Exclusion: (GGRA01)

Geography of Resources
2L: M11, 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 misuse and abuse of resources. A. Tayyeb.
Prerequisites: (GGRA01) or (GGRA02) or (GGRA06). GGRA07 or GGRA08

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.O. D. Hewings.
Prerequisites: Two Art level courses in Geography

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. Surrow.
Prerequisites: (GGRA02) or GGRA06; GGRA07

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 vs. 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. Examination organization and specific topics discussed will depend on the number of students and their interests.
Prerequisites: GGRA06; 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.

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.
Prerequisites: GGRA01 or GGRA02 or GGRA09

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 interaction of consumption, production and exchange, the process of agricultural and industrial production, economic location theory, transportation, the growth of service industries, and problems of economic development. M.F. Bruce.
Prerequisites: (GGRA01) or GGRA06; GGRA09

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 Processes" 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 enrollment: 25. B. Greenwood.
Pre-requisite: 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. Taryeh.
Pre-requisites: GGRA01 or GGRA08; GGRA09
Corequisite: None. GGRB02 is recommended but not required.

GGRB09Y
Special Topics
Pre-requisites: 2 A-level full-course-equivalents in Geography

GGGB10Y
The Geography of Soils
Pre-requisites: GGRA06; (GGRA02 or GGRA07)
GGGB11Y
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. G. Greenwood.
Pre-requisite: GGRA03
Corequisite: GGRB02

GGGB12Y
The Historical Geography of Canada
Course not offered in 1974-75.
Pre-requisites: 2 A-level full-course-equivalents in Geography

GGGB13Y
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 roles of 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.
Pre-requisites: GGRA08, GGRA09

GGGB14Y
The Canadian North
An analytical inquiry which exposes problems and perspectives on the North with special focus on human occupations, land use, resource identification and management, northern operations, northern policy and foreign analog. K.E. Francis.
Pre-requisite: GGRA06 or approved equivalent

GGGB15Y
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.
Pre-requisite: GGRA07 or (GGRA02)
Corequisite: None. GGRB03 and GGRB02 are recommended, as some background in the scientific approach is necessary, but are not required

GGGB16Y
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 aim is 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.
Pre-requisites: Two A-level full-course-equivalents in Geography

GGGB01Y
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 GGR301) must have been completed.

**GGR302Y**
Thematics 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: GGR803

**GGR303S**
Regional Industrial Analysis and Development
Course offered in only the Winter 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 exploitation 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.
Prerequisite: Two 3-level courses in Economics or Geography

**GGR304S**
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 lakeshores: ex-urban living: small towns and central places in Ontario; idle land and speculation; cottages and recreation. Limited enrolment: 20. P.W. Cave.
Prerequisite: GGR805

**GGR305F**
Theory and Method in Modern Quantitative Geomorphology
Course not offered in 1974-75.
Prerequisite: GGR803

**GGR306F**
Biography
Course not offered in 1974-75.
Prerequisite: GGR803: at least 2 other 3-level courses in Geography

**GGR307Y**
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 3-level courses in Geography; permission of instructor

**GGR308F**
Field Problems in Geography
Course not offered in 1974-75.
Prerequisite: At least 2 3-level courses in Geography

**GGR309S**
Canada North of Fifty
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. R.E. Francis.
Prerequisite: GGR814

**GGR310S**
Location Theory
Same course as ECOC105. 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 conventional Weberian theory and proceed through Frey’s works. Louche and I lowd to consider the more recent theories of Greer, R. Bois, Churchill, Scott and others. Limited enrolment: 20. G.J.D. Hewings.
Exclusion: ECOC10
Prerequisite: Two 3-level courses in Economics or Geography

**GRC115**
Quantitative Methods in Economic Geography
Course not offered in 1974-75.
Prerequisite: GGR802 or similar background in Statistics and Methods

**GGR312F**
Contemporary Issues in the Philosophy of Geography
Course offered in only the Winter 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: 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 GGR/123) must be completed.

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: GGRA08, GGRA09 and/or POLA02; one B-level course in Geography.

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: GGR/104 and GGR/134 (St. George) are recommended but not required.

The Geography of Soils - Applied Aspects
Prerequisites: At least 2 B-level courses in Geography.
Corequisite: GGR/10.

Techniques of Historical Geography
Course not offered in 1974-75.
Prerequisites: At least 2 B-level courses in Geography or History.
Corequisite: GGR/12.

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 in expressions of culture. Particular attention is directed towards the notion of regional landscapes and to the development of interpretative 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. Cane.
Prerequisites: At least 3 B-Level courses in Geography.

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 (GGR/102 and GGR/103 are highly recommended) or in Economics.

Applied Economic Climatology
Course not offered in 1974-75.
Prerequisites: GGR/102, GGR/103, GGR/105 and GGR/106 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.

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.
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 Programme" Section of this Catalogue. The Programme includes a language course during each year of study in order to maintain continuity in the development of practical skills.

GER10Y

Introductory German
4L: M11W11F21F1, 2P: T11-1
The fundamentals of grammar and syntax. W. Taupenhart.

GER10T

Intermediate German
3L: M1W9, IP: R9
Intensive language work focusing on readings, oral and written composition. W. Taupenhart.
Exclusion: (GERA01)
Prerequisite: Grade 12 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 Werfel, representative playwrights of Expressionism, Brecht, Frisch, Dürenmatt, Hochhuth, Klopstock, Weiss; selections from the poetry of Rilke, George, Hofmannsthal, the Expressionists Heym, Trakl, Benn, Lasker-Schüler; Karschnitz, Celen, Entersberger. H. Ortendahl.
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. Götz Von Berlichingen and Die Räuber, will be studied along with works by authors such as Lenz, Klinger, et al. The styles and forms first emerging in the Sturm und Drang will be shown to have 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. Ortendahl.
Prerequisite: (GERA01) or GERA11
Corequisite: GERB04

GERB15S

Nineteenth Century Prose
Prerequisite: (GERA01) or GERA11
Corequisite: GERB04

GERB16Y

Nineteenth Century Drama and Poetry
The development of drama from Bühner to Hauptmann, including Grabbe, Grillparzer, and Hebbel. The poetry of the late Romanticists, as well as some of the above mentioned authors, Heine and Mörise. H. Ortendahl.
Prerequisite: (GERA01) or GERA11
Corequisite: GERB04
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.

History programme combines a variety of approaches and teaching methods in order to satisfy a number of purposes. Comprehensive courses (HIS01-HIS09) both provide a foundation in their areas and serve as preparation for more detailed studies. In advanced courses (HIS010-HIS099) students investigate more specific areas or periods or problems. Cleveld 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 HIS001 early in their academic programmes and to enrol in no more than two Cleveld 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.

**GER817Y**
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. Tepferhanz.

**GERC01F**
Supervised Reading
Prerequisites: (GERA01) or (GERA11) or (GER804)

**GERC02F**
Supervised Reading
Prerequisites: (GERA01) or (GERA11) or (GER804)

**GERC03S**
Supervised Reading
Prerequisites: (GERA01) or (GERA11) or (GER804)

**GERC07S**
Stylistics
2T: TR3
A study of expository and creative writing, with analysis of texts; H. Ohiendorf.
Prerequisites: (GERA01) or (GERA11) or (GER804)
Corequisites: (GERB02), (GERB03), (GERB15), (GERB16), (GERB12), (GERB11)

**HIS01Y**
British History Since 1785
2L: TR10, 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. Kehayoo.

**HIS03Y**
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.

**HIS05F**
Canadian History to 1867
2L: TR11, 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. Moyer.

**HIS06S**
Canadian History Since Confederation
2L: TR11, IT
A survey of Canadian political, economic and social history since 1867, with particular emphasis upon the first fifty years. J.R. Robertson.

**HIS07Y**
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.

**HIS13Y**
European Urban History
Course offered in only the Summer Day Session, 1974.
The seminar will examine the city as a historical institution from the rise of the medieval 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: HIS001

**HIS14Y**
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: HIS001

**HIS15Y**
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 behavior of the "lower classes" on the other. W.M. Dick.
Exclusions: HIS015; (PHL015); (PHL051)
Prerequisite: HIS001


**HISB17**Y  Germany in the Nineteenth and Twentieth Century  
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. Ekteins.  
Prerequisite: HISAO1

**HISB21**F  Frontier Communities in the British Empire-Commonwealth  
A comparative study of the influence of frontier 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. Kenny.  
Exclusion: HISB19  
Prerequisite: HISB01

**HISB22**S  British Imperialism in Asia and Africa  
The impact of imperialism on the non-European world; the motives behind British imperialism; the problems of administra- 
tion; the transfer of power; neo-colonialism. J.M.B. Kenny.  
Exclusion: HISB19  
Prerequisite: HISB01

**HISB27**Y  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. Contrett.  
**HISB37**Y  The South before the Civil War  
2L: R9-11, 2T: T3-6  
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

**JHISB35**Y  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. Dicks.  
Prerequisite: HISB03

**HISB43**Y  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 inter- 
national commerce and finance; cultural and religious develop- 
ments. W.A. McKay.  
Prerequisite: HISB05; HISB06

**HISB46**F  The Maritime Region Before Confederation  
The French regime; British settlement; responses to the Amer- 
ican 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

**HISB47**S  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

**HISC01**F  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 HISCO1F and by 1 December for HISCO25

**HISC11**Y  Western Europe in the 17th Century  
Course not offered in 1974-75.  
Prerequisites: HISAO1; one B-level course in History

**HISC12**F  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

**HISC13**S  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

**JHISC17**Y  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. Ekteins.  
Prerequisite: HISAO1; one B-level course in History
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 courses will be the writings of journalists, clergyman, academics, labour activists, novelists, politicians, farmers' spokesmen, historians, and satirists. Limited enrolment: 15. I.R. Robertson. Exclusion: H5845
Prerequisites: HIS805; HIS806

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 timetables; 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 students 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 co-ordinators: 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.

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*"What's past is prologue" — Shakespeare, Tempest IV, I.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Description</th>
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<tbody>
<tr>
<td>HUMB01S</td>
<td>Emergence of Modern Prose</td>
<td>Course not offered in 1974-75. Exclusion: (LITB01)</td>
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<tr>
<td>HUMB02F</td>
<td>Guilt and Conscience in Post-World War II Literature</td>
<td>Course not offered in 1974-75. Exclusion: (LITB02)</td>
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<tr>
<td>HUMB05F</td>
<td>Fantasy in Narnia and Middle Earth</td>
<td>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. Exclusion: (LITB02)</td>
</tr>
<tr>
<td>HUMB07S</td>
<td>&quot;The Ulysses Factor&quot;</td>
<td>The literature of exploration: a study of a recurring motif — the &quot;Odyssey&quot; — 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.</td>
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<tr>
<td>HUMB08F</td>
<td>Orpheus: The Quest for Beauty</td>
<td>Course not offered in 1974-75.</td>
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<tr>
<td>HUMB10F</td>
<td>Utopia: From More to Huxley</td>
<td>The study of major schemes for the total improvement of mankind and the solution to radical evils in society. The millennial tradition; authoritarian and libertarian utopias; anti-utopias; and experiments in communal life. Practical applications and consequences of utopian thought. W.C. Graham.</td>
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<tr>
<td>HUMB11Y</td>
<td>The Art of Satire</td>
<td>Course not offered in 1974-75. Prerequisite: One previous course in literature</td>
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<tr>
<td>HUMB15Y</td>
<td>Nineteenth Century Poetry: Aesthetics</td>
<td>Course not offered in 1974-75. Exclusion: SPA103 Prerequisite: Reading knowledge of Spanish or French</td>
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<tr>
<td>HUMB20Y</td>
<td>Primitive Christian Literature and Myth</td>
<td>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.</td>
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<tr>
<td>HUMB21S</td>
<td>Love and Friendship: The Views of the Greeks and Romans</td>
<td>Course not offered in 1974-75. Exclusion: (HUMB06)</td>
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<tr>
<td>HUMB22F</td>
<td>The Age of Pericles</td>
<td>An exploration of the golden age of Athens (second half of fifth century B.C.) through its literature and art. M.C. Shaw. Exclusion: (FARR23)</td>
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<tr>
<td>HUMB23S</td>
<td>The Age of Augustus: Rome in Transition from Republic to Principate</td>
<td>Course not offered in 1974-75. Exclusion: (HUMB08) (1971-73)</td>
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<tr>
<td>HUMB24S</td>
<td>The Age of Nero</td>
<td>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, Cassandra ad Marciam; Apocolocyntosis; Octavia; Persius, Satires. I.R. McDonald.</td>
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<tr>
<td>HUMB25F</td>
<td>The Age of Homer</td>
<td>Course not offered in 1974-75.</td>
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<tr>
<td>HUMB26S</td>
<td>Fantasy Literature II</td>
<td>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 (St. Milie’s Strange Manuscript), the paranoid fantasies of Lovecraft, the Gothic romances, and others. R.I. Binnick. Exclusion: HUMB25 (1971-72) Prerequisite: HUMB05</td>
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<tr>
<td>HUMB41F</td>
<td>Women in Ancient Greece</td>
<td>Course not offered in 1974-75.</td>
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<tr>
<td>HUMB42F</td>
<td>Images of Women in French Literature</td>
<td>Course not offered in 1974-75.</td>
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<tr>
<td>HUMB43S</td>
<td>Women’s Consciousness in French Literature</td>
<td>Course not offered in 1974-75. Prerequisite: HUMB42 is recommended but not required</td>
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<tr>
<td>HUMB61H</td>
<td>Society and Culture in Latin America</td>
<td>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. de Lamay; M.D. Mailard.</td>
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<tr>
<td>HUMB62F</td>
<td>Topics in Contemporary Latin-American Literature in Translation</td>
<td>Course not offered in 1974-75.</td>
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</tbody>
</table>
Introduction to Cinema
Course not offered in 1974-75.
Exclusion: (HUMB80)
Prerequisite: One previous course in Literature or Fine Art

Art, Politics & Revolution
Course not offered in 1974-75.
Exclusion: (HUMB12)

Experience, Communication and Language
Course not offered in 1974-75.
Exclusion: (HUMB80)

Contemporary Cultures in Question
Course not offered in 1974-75.
Exclusion: (HUMB13)

Creative Writing: An Introduction
Course not offered in 1974-75.

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, Catalan, Provençal, Castilian, Italian and Sicilian sources; supplementary lectures concerning Classical and Mediaeval Rhetorics and Arts of Poetry, versification, metrical 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

Humanities Seminar
Course not offered in 1974-75.
Prerequisite: Any 10 courses

A Seminar in Literary Theory and Practice
Same course as ENGC13Y.
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 Enrollment: 30. E.R. Vicari; J.R. Warden.
Exclusion: ENGC13; (HUMC02)
Prerequisite: One B-level Literature Course; two other Literature courses

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.H. McDonald. [For a year of individual study, students must enroll 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, HISQ01/2, ITA050-99, LINC01/2, PHL859-99, SPA002/3.]
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 latest possible date in order to establish a comprehensive and coherent plan of study.

Introductory Italian
4L: M10W10F11-1/M12W3R11-1, IF: 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: (ITAA001)

Conversation I
3L: MWF1
A graded and controlled approach to spoken Italian. Topics selected for discussion will aim at a practical application of the language. E. Costa.
ITAA03S - Conversation II
A continuation of ITAA02. A nativespechistles.
Prerequisite: ITAA01 or ITAA02 or permission of instructor

ITAB02F - Intermediate Italian
An intensive review of the grammar, with drills, exercises and compositions. G. Katz.
Prerequisite: Grade 3 Italian or ITAA01 or equivalent

ITAB03F - Intermediate Conversation
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. E. Costa.
Exclusion: (ITAA03)
Prerequisite: ITAA02 or ITAB02

ITAB04S - Advanced Composition
Study and analysis of selected texts, translations and compositions. G. Katz.
Exclusion: (ITAA04)

ITAB05S - Practical Translation
Practice in translating from English to Italian and from Italian to English. Different examples of translation will be analyzed, and texts in both languages studied comparatively in terms of literary technique and style of expression. S. Mitter.
Prerequisite: ITA002 or ITAB02

ITAB12S - The Twentieth Century Novel
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. S. Mitter.
Prerequisite: ITAA003 or ITAB02

ITAB13S - Modern Italian Poetry
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. E. Costa.
Prerequisite: ITAA003 or ITAB02

ITAB15F - Pirandello and the Italian Theatre of His Time
Pirandello's theatrical development seen against the background of contemporary currents and themes in Italian theatre. G. Katz.
Prerequisite: ITA003 or ITAB02

ITAB16S - Italian Theatre from 1930 to the Present
A survey of themes and techniques in twentieth century Italian theatre after Pirandello, with special emphasis on the works of Bettini, Fabrizi and De Filippo. G. Katz.
Prerequisite: ITA002 or ITAB02

ITAB21Y - Introduction to Italian Literature
A survey of Italian literature, from the Middle Ages to the present. E. Costa. A. Franceschetti.
Prerequisite: ITA002 or ITAB02

ITAB31Y - Dante and Medieval Culture
Introduction to Medieval Italian literature with special reference to Dante. E. Costa.
Prerequisite: ITAA002 or ITAB02

ITAB32F - Petrarch and Boccaccio
Course not offered in 1974-75.
Prerequisite: ITAB02 or ITAB02

ITAB33F - Aspects of Italian Thought in the Fifteenth and Sixteenth Centuries
Course not offered in 1974-75.
Prerequisite: ITA002 or ITAB02

ITAB34S - The Renaissance Epic
Course not offered in 1974-75.
Prerequisite: ITA002 or ITAB02

ITAB36F - Lyric Poetry of the Renaissance (from Poliziano to Michanangelo)
Course not offered in 1974-75.
Prerequisite: ITA002 or ITAB02

ITAB40S - Reform and Baroque Literature
Course not offered in 1973-74.
Prerequisite: ITA002 or ITAB02

ITAB41S - Italian Eighteenth Century Theatre
The development of dramatic theory in eighteenth century Italy. Reading and analysis of selected plays by Metastasio, Goldoni and Alfieri. A. Franceschetti.
Prerequisite: ITA002 or ITAB02

ITAB43F - Forcella and Leopardi
Course not offered in 1974-75.
Prerequisite: ITA002 or ITAB02

ITAB44S - Manzoni
Course not offered in 1974-75.
Prerequisite: ITA002 or ITAB02

ITAB45F - The Nineteenth Century Italian Novel in Transition
Verga's use of VERISMO to translate new social and political reality; Foscoz's version of bourgeois life; D'Annunzio's aesthetics and cult of the "superruomo"; and Savo's analysis of the distortion of memory. S. Mitter.
Prerequisite: ITA002 or ITAB02
Supervised Reading
LIA 850F
LIA 851F
LIA 852F
LIA 853F
LIA 854F
LIA 855F
LIA 856F
LIA 857F
LIA 889S
LIA 858S

Linguistics
Linguistics is the study of language as a phenomenon of human behavior. 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 (LINA05).

Students interested in Linguistics should also refer to:
- ANTH00S History of Ethnological Theory
- CRSC01Y Introductory Greek
- LATA01Y Introductory Latin
- ENGB02Y Chaucer
- FREN84F Principles of Lexicology and their Application to Modern French
- FREN84Y Theoretical and Practical Phonetics
- MATA86F Computer Programming
- MATA88F Introduction to Computing
- MATB86S Programming Applications
- MATB88S Problem Solving with Computers
- PHIL88F Philosophy of Language
- PSYB01Y Introduction to Psychology
- PSYB02F/S Developmental Psychology
- PSYB03F Sensation and Perception
- PSYB06F Brain Mechanisms and Behavior
- SIGAD0Y Introduction to Sociology
- SIGAD04F 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
Same course as LINA02F, D.M. James.

LINA03S General Linguistics II
Various methods of linguistic analysis will be discussed as well as the sound and form systems which make up language. R.I. Binnick, D.M. James. Prerequisite: LINB02

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". R.I. Binnick. Prerequisites: (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. J.D. Woods. Prerequisites: (LINA01) or LINA02, LINA03

LINB03F Syntactic
Contemporary views of larger linguistic units, their analysis and constitution. Immediate constituent analysis and the transformational-generative approach. D.M. James. Prerequisite: (LINA01) or LINA02, LINA03

LINB04F Historical and Comparative Linguistics
Language change and language relationships; linguistic typology, language universals. The Indo-European family and other language families. J.D. Woods. Prerequisites: (LINA01) or LINA02

LINB05S Psycholinguistics
Course not offered in 1974-75. Prerequisite: (LINA01) or LINA02

LINB06S Semantics
The study of grammatical and lexical meaning. The interpretation and derivation of lexical information. The nature of ambiguity. D.M. James. Prerequisite: LINB03
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
Prerequisite: LIN102 or LIN202 or SOC101 or SOC102

Scripts
Course not offered in 1974-75.
Prerequisite: LIN102

The Structure of Swahili
A detailed analysis of Swahili utilizing modern linguistic theories and methods. J.J. Woods
Prerequisite: LIN102
Co-course: LIN103

Supervised Reading
Prerequisite: At least one B-level course in Linguistics; permission of instructor

Supervised Reading
Prerequisite: At least one B-level course in Linguistics; permission of instructor

Studies in Syntax and Semantics
Topics in Syntactic and Semantic theory. R.I. Birmick
Prerequisite: LIN103

Mathematics
In all periods of recorded time Mathematics has been part of human culture. Before 500 B.C. the Pythagoreans stated that numbers rule the universe. Plato said that God ever geometries and in this century Einstein remarked that it is Mathematics that gives the natural sciences a certain measure of security.

The impetus 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:

- MAT104F Introduction to Linear Algebra
- MAT105S Linear Algebra II
- MAT105Y Calculus

Students who have a special interest in Computer Science should in addition take:

- MAT106S Introduction to Computing
- MAT106B 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:

- MAT107Y Geometry
- MAT109F Linear Algebra I
- MAT109S Linear Algebra III
- MAT109O Applied Mathematics and Mechanics
- MAT110F Analysis
- MAT111F Differential Equations I
- MAT113S Numerical Methods
- MAT115S Analysis II
- MAT116S Differential Equations II
- MAT116Y Algebra
- MAT118F Real Analysis I
- MAT119S Real Analysis II
- MAT124F Complex Analysis I
- MAT125F Complex Analysis II

Students who are interested in Computer Science should in addition take:

- MAT126F Programming Languages and Their Applications
- MAT127F Computer Organization
- MAT128S Assembly-Language Programming and Applications

Students who are interested in applications to the Physical Sciences should take:

- MAT129F Techniques of the Calculus of Several Variables I
- MAT130F Applied Mathematics and Mechanics
- MAT131F Differential Equations I
- MAT132F Differential Equations II

Students who are interested in applications to the Social and Natural Sciences should take:

- MAT132F Probability and Statistics I
- MAT136S 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:

- MAT136F Nature of Mathematics
- MAT137S Mathematics and Society
- MAT138Y Techniques of Calculus
- MAT139F Calculus with Linear Algebra
- MAT139F Computer Programming
Nature of Mathematics 2L: R3-5 A brief introduction to the major branches of mathematics with an emphasis on historical development. Algebra: From digitation 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 Fourier. Logic: From Aristotle to Boole to Russell to Gödel. A term paper will be required. E. Mendelson.


Prerequisite: One Grade 13 course in Mathematics

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. Mendelson.

Prerequisite: MATA20


Prerequisite: Grade 13 Calculus


Prerequisite: Grade 13 Functions and Relations, or Grade 13 Calculus, or Grade 13 Algebra


Prerequisite: MATA40


Prerequisite: Grade 13 Functions and Relations. Grade 13 Calculus

Computer Programming 2L: MR3, 2T Introduction to algorithms, computer organization and computer programming. Emphasis 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: MATA88.

Prerequisite: One Grade 13 course in Mathematics

Introduction to Computing 2L: MR2, 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 MATA55 and is intended for students who plan to take several courses in the area of Computer Science.) W. Enright.

Exclusion: MATA55.

Prerequisite: Grade 13 Functions and Relations, or Grade 13 Calculus

Corequisite: MATA26 or MATA40 or MATA55

Programming Applications 2L: MR3, 2T A continuation of MATA56. Practical approaches to solving problems involving numerical computations, statistical

Problem Solving with Computers
2L:MR3, 2T
A continuation of MATA68. 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, (MATB68)
Prerequisite: MATA58 or (MATA56 and permission of instructor)

MATB25Y
Geometry
E. Maniak.
Exclusions: (MATB30); (MATB35)
Prerequisite: MATA45

MATB40F
Linear Algebra II
Prerequisite: MATA45

MATB41F
Techniques of the Calculus of Several Variables I
3L:MF9-11, 1T
J.S. Helperin.
Exclusion: MATB50
Prerequisites: MATA20 or MATA55; MATA45

MATB42S
Techniques of the Calculus of Several Variables II
3L:MF9-11, 1T
J.S. Helperin.
Exclusions: MATB50; MATB55
Prerequisite: MATB41

MATB45S
Linear Algebra III
Prerequisite: MATB40

MATB46S
Applied Mathematics and Mechanics
Same course as PHYB48S.
Exclusion: (PHYB20); PHYB46
Prerequisites: MATB50; MATB61; PHYA01 or PHYA02

MATB50F
Analysis
P.J. Leah.
Exclusion: MATB41
Prerequisites: MATA45; MATA55

MATB51F
Differential Equations I
Prerequisites: MATA55; MATA45
Corequisites: MATB50

MATB52F
Probability and Statistics I
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: PSYB57; ISOA01
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.
-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: PHLB50F, PHLB50I

-MATB81S Symbolic Logic II
Same course as PHLB81S. Course not offered in 1974-75.
Exclusions: (PHLB81; PHLB81; PHLB82; PHLC70)
Prerequisites: MATB80F 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: MATB64F, one other B-level full course or equivalent) in Mathematics

-MATC50F Real Analysis I
Prerequisite: MATB55S

-MATC55S Real Analysis II
Prerequisite: MATC50

-MATC60F Complex Analysis I
Prerequisite: MATB65S

-MATC65S Complex Analysis II
Prerequisite: MATC60
Music

Music is considered as one of the liberal arts. The approach to musical style is historical and humanistic, and three 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)

/NUSB02F 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
MATA2SS Mathematics and Society

/NSCA01Y Introduction to Natural Science: Physical Science
2L: TF1, 1T: 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 law; 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. Gordon

-NSCA02Y Introduction to Natural Science: The Biological Sciences
2L: TFR10, 1T (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.

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 those 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 PHL0401, PHL0502, PHL0801, PHL0820, PHL0850, PHL0850 and PHL0851 are offered every year. It should be noted that in
almost all areas. Full/Spring sequences are offered which when combined provide the equivalent of a full year course at the B-level. These sequences are usually scheduled
in the same time slot. The B series of courses is arranged in decade units according
to areas within Philosophy, not in order of difficulty.
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 325A.

Fundamental Questions of Philosophy
3L: TWF10/TWF11/TWF12
A discussion of some of the fundamental questions of
Philosophy. What is good reasoning? What is morality and can
it be justified? Is it reasonable to adhere to a religion? What is
knowledge? Are social practices justifiable? Is materialism true?
Are humans free? D.L. Master, J.H. Sobel, J.C.
Morrison.

Philosophic Classics
3L: MTR1
A consideration of the philosophy of Plato, Russell, Nietzsche,
Aristotle, Kierkegaard, Hume and others. Selections will vary
from year to year. W.C. Graham.

Morality and Values
A study of the philosophical problems in Ethics – such as
relativity of values, the justification of morality, moral
scepticism, egoism, utilitarianism.
Exclusion: PHLS1 (from 1973-74 and previous sessions)

Contemporary Ethical Theories
Exclusion: PHLS7; PHLS9
Prerequisite: One B-level half-course in Philosophy – PHLB01
is recommended but not required

Philosophy and Art
Course offered only in the Summer Evening Session 1974 at
Dartmouth 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)

Philosophy in Literature
Same course as PHLB04S. Course offered only in the Summer
Evening Session.

Philosophy in Literature
An examination of philosophical theories and claims in literary
works. Authors may include Cartesian, Locke, Kant, Schopenhauer,
Barth, Heine, Nietzsche. Topics may include the nature of the
self, the meaning of life, the subjectivity of values, the
character of morality. Authors and topics may vary from year
to year. W.C. Graham.
Exclusions: (PHLB26); (PHLB60)

Society, the State and the Citizen
Course not offered in 1974-75.
Exclusion: (PHLB32)

Marx and Marxism
Course offered only in the Evening Session, 1974-75. The
Exclusions: (PHLB77); (PHLS56)
Prerequisite: One course or half-course in Philosophy,
Sociology, Political Science or Economics – PHLB10 is
recommended but not required

Philosophy of Social Science
Course not offered in 1974-75.
Exclusion: PHLB52
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: (PHLB54)
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)

Belief, Knowledge and Truth
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: (PHLB35); (PHLB54)

Sartre and the Continental Tradition
A study of the views and approaches characteristic of such
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. 
Prerequisite: One 2-level half-course in Philosophy.
Exclusions: (PHLB111); (PHLB846); (PHLC54)

PHLB41S Plato and his Predecessors II
Prerequisite: PHLB40
Exclusions: (PHLB111); (PHLB86)

PHLB42F Aristotle and Later Greek Philosophy I
Course not offered in 1974-75.
Prerequisite: PHLB40
Exclusions: (PHLB111); (PHLB96)

PHLB43S Aristotle and Later Greek Philosophy II
Course not offered in 1974-75.
Prerequisite: PHLB42

PHLB44F Philosophers of the Middle Ages I
Course offered in 1974-75.
Exclusions: (PHLB112); (PHLB67)

PHLB45S Philosophers of the Middle Ages II
Course not offered in 1974-75.
Prerequisite: PHLB44

PHLB46F Philosophy in the Early Modern Age I
Revolution 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. Swayne.
Prerequisite: (PHLB271)
Exclusions: (PHLB112)

PHLB47S Philosophy in the Early Modern Age II
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 III
Same course as MATB81S. Course not offered in 1974-75.
Exclusions: (MATB81); (PHLB82); (PHLC70)
Prerequisite: PHLB80 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); (PHLB98)
Prerequisite: One 2-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. Swayne.
Exclusions: (PHLB24); (PHLB80)
Prerequisite: One 2-level course or half-course in Philosophy or Psychology
Physics

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.

Less intensive programmes are available for those whose major interests do not lie in Physics. Specifically, the pair of courses PHYA02 and PHYB01 cover more major topics in Physics and the principles of their application in some areas of modern technology. An intermediate laboratory course (PHYB08) provides a broad spectrum of experiments for students of PHYB01 or of PHYB06. Additional more specialized B-level courses are also open to students who have completed A-level Physics and Calculus courses.

The list of pre- and corequisites implies others not explicitly listed; such an explicit listing is available from the Student Services Office (Room S-4180C) or from the Physics Sciences Group Office (Room R-4708).

Students interested in Physics should also refer to:

NSCAD01Y  Introduction to Natural Science: The Physical Sciences

- PHYA01Y  Elementary Mechanics
  2L: T4F11, IT: T11/T13, 3P: T9/12/T14 (every second week)
  Motion 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.
  Exclusions: PHYA02
  Prerequisites: Grade 13 Physics; Grade 13 Calculus
  Corequisites: MATA26 or MATA55

- PHYA02Y  Principles of Physics
  2L: 13F10/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, gravitation forces, thermodynamics, electricity and magnetism, waves, light, quanta, atoms, the solid state, the nucleus. M.J.G. Lau; J.M. Pien.
  Exclusion: PHYA01
  Corequisites: MATA22 or MATA26 or MATA55

- PHYB01Y  Electricity and Magnetism
  Classical theory of electromagnetism, using the powerful concept of fields and potentials. Electrodynamics; electric field; scalar potential; electric currents; magneto statically; magnetic field; vector potential; fields of moving charges; electro magnetic inductance; Maxwell’s equations; circuits, electric and magnetic fields in matter. This course is essential to a Physics Specialist Programme. A.E. Jacob.
  Exclusions: PHYA01 or PHYA02
  Corequisites: MATH231 or MATH850
**Waves**
Topics discussed include wave equations, superposition of waves, and the properties of sound waves, electromagnetic waves, wave motion in solids, and wave phenomena.

**Statistical Mechanics**
Fundamental topics discussed include the concept of entropy, the laws of thermodynamics, and the use 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, cosmic rays, and the shape transitions of molecules. This course is essential to a Physics Specialist Programme. P.J. O'Donnell.

**Contemporary Physics**
This course introduces the principles and applications of modern physics, including quantum mechanics, relativity, and the properties of matter. It is designed for students interested in the life sciences or interdisciplinary studies and who wish to take a second course in physics. A Griffin; P.J. O'Donnell.

**Intermediate Physics Laboratory**
Experiments are provided that deal with basic electricity and magnetism, electronics, solid state physics, and atomic and nuclear physics. A Griffin; M.J.G. Lee; J.M. Perz.

**Applied Mathematics and Mechanics**

**Quantum Physics**
Introduction to the basic ideas of quantum mechanics and its applications in modern physics. A Griffin; J.D. King.

**Electromagnetic Fields and Waves**
Course not offered in 1974-75. A Griffin; M.J.G. Lee; J.M. Perz.

**Advanced Physics Laboratory**
A selection of topics in advanced and detailed experiments illustrating fundamental principles and techniques in physics. M.J.G. Lee; J.M. Perz.

**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 are discussed. R.C. Dowler.

**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 behavior. As a discipline it is loosely constructed,
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Time Code</th>
<th>Prerequisite(s)</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>POLA01Y</td>
<td>Canadian Government and Politics</td>
<td>2L: TR10, 1T</td>
<td></td>
<td>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. Black; J. Esberay.</td>
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<tr>
<td>POLA02Y</td>
<td>Introduction to Political Philosophy</td>
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<td>Course not offered in 1974-75.</td>
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<tr>
<td>POLA03Y</td>
<td>Introduction to Comparative Politics</td>
<td>2L: TR3</td>
<td></td>
<td>An introduction to the analysis of foreign political systems, focusing on the comparative characteristics of selected countries in the western and non-western world. V. Falkenheim; A. Rubinoff.</td>
</tr>
<tr>
<td>POLB02F</td>
<td>Canadian Political Parties</td>
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<td>POLA01</td>
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<tr>
<td>POLB03Y</td>
<td>Modern Political Thought</td>
<td>2L: W11-1, 1T, 4/4</td>
<td></td>
<td>A study of the major political philosophers of the eighteenth, nineteenth and twentieth centuries. J.J. Colman.</td>
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<tr>
<td>POLB05Y</td>
<td>Public Administration</td>
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<td></td>
<td>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. Hodgins.</td>
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<tr>
<td>POLB10Y</td>
<td>International Relations</td>
<td>2L: TR1, 1T, F11/F12</td>
<td></td>
<td>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.</td>
</tr>
<tr>
<td>POLB12Y</td>
<td>Politics and Society in Independent Africa</td>
<td></td>
<td></td>
<td>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 &quot;neo-colonialism&quot; or &quot;neo-imperialism&quot;? 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?</td>
</tr>
<tr>
<td>POLB17Y</td>
<td>The Chinese Political System</td>
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<td></td>
<td>An analysis of Chinese political institutions, behaviour and thought, with primary emphasis on the contemporary political system since 1949. V. Falkenheim.</td>
</tr>
<tr>
<td>POLB18Y</td>
<td>Comparative Politics of Western Europe</td>
<td></td>
<td></td>
<td>Course not offered in 1974-75.</td>
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<tr>
<td>POLB19S</td>
<td>Intergovernmental Relations</td>
<td></td>
<td></td>
<td>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. Esberay.</td>
</tr>
</tbody>
</table>
Psychology

Psychology is that branch of Science which seeks to understand the behavior of organisms. Why humans and infrahuman 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:

[LIN] Psycholinguistics
[NSE] Introduction to Natural Science: The Physical Sciences
[NSE] Introduction to Natural Science: The Biological Sciences

[PSY] Introduction to Psychology
PSYA02 in lieu of PSYA01 or may take PSYB09 concurrently with the second term of PSYA01. Members of the faculty. Exclusion: PSYA02

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**PSYB02F**

Data Analysis in Psychology

Psychologists, like other scientists, strive 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. Efron, B. Fornin. Exclusions: MATB52, (SOSA01)

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**PSYB04S**

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. Fornin. Prerequisite: PSYB07 or MATB52 or (SOSA01)

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**PSYB05S**

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

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**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: PSYB07 or PSYA02

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**PSYB10G**

Introduction to Social Psychology

2L: TR3, IT

Same course as PSYB10F. K.C. Dion. Prerequisite: PSYA01 or PSYA02

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**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. Prerequisite: PSYB07, PSYB10

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**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

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**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. C. Dion. Prerequisite: PSYA01 or PSYA02

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**PSYB20G**

Developmental Psychology

Same course as PSYB20F. Prerequisite: PSYA01 or PSYA02

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**PSYB30F**

Personality

3L: MWR11

How psychologists study the individual and his behavior. Examples of both the traditional broad theories of behavior.
Personality
Same course as PSY830F. M.G. Efran.
Prerequisite: PSY401 or PSY402

Abnormal Psychology
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: PSY401 or PSY402

Adolescent Psychology
Same course as PSY832F. Offered only in Winter.
Prerequisite: PSY401 or PSY402

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: PSY806
Prerequisites: PSY401 or PSY402; PSY807 and PSY809 are recommended but not required

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: PSY804
Prerequisites: PSY401 or PSY402; PSY807, PSY809 and PSY840 are recommended but not required

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: PSY401 or PSY402

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 the pictured. 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: PSY401 or PSY402

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: PSY401 or PSY402; PSY805, PSY807 or PSY809 are recommended but not required

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: PSY401 or PSY402; quantitative skills such as are required in PSY807, or PSY809 are an advantage

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: PSY401 or PSY402

Not informed
Till Nov.
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.
Prerequisites: PSYB02 or PSYA02
Co-requisites: PSYB00, PSYB07, PSYB08 and PSYB09 are recommended but not required

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 Social and Developmental Psychology. Limited enrollment: 25.
K.K. Dion.
Prerequisites: PSYB10; PSYB20

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 nonverbal 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 enrollment: 25. M.G. Efran.
Prerequisites: PSYB03 or PSYB30, one other B-level half-course in Psychology

Thought and Action
Course offered only in the evening session, 1974-75.
Theory and research concerning the relationships between cognition and motivation. Topics will include S-R 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 enrollment: 60. A. Kukla.
Prerequisites: PSYB30; one additional B-level half-course in Psychology

History of Psychology
Course not offered in 1974-75.
Prerequisites: PSYB01 or PSYB02; two B-level half-courses in Psychology

Current Topics in Animal Learning
Course in Psychology
L. E. Parker
Prerequisite: PSYB40 or PSYB41

Psychology of Learning and Motivation
Course not offered in 1974-75.
Exclusion: NSC061
Prerequisite: PSYB40 or PSYB41 or PSYB00

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

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 instrumental panels, adaptive training devices to optimize 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 enrollment: 30. N.P. Moray.
Prerequisite: PSYB56

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 enrollment: 20. A. Kukla.
Prerequisites: Three B-level half-courses in Psychology; one B-level half-course in Philosophy

Supervised Readings in Psychology
Members of the faculty.
Prerequisites: Three full-course equivalents in Psychology; permission of instructor

Supervised Research in Psychology
Members of the faculty.
Prerequisites: PSYB07; PSYB09; two additional full-course equivalents in Psychology; permission of instructor

Thesis in Psychology
This course is intended to offer to qualified students the opportunity to engage in a year-long research project under
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.

**RUSA10Y**
Introduction to Russian Culture and Literature
Course not offered in 1974-75.

**RUS101Y**
Introductory Russian
4L MWF 11:40-12:30
A course in the fundamentals of Russian grammar, with conversation, composition and readings. S. Whalen.

**RUS201Y**
Intermediate Russian
3L MWF 11:40-12:30
A course in Russian grammar, with readings and discussion of literary materials and current publications. S. Whalen.
Prerequisite: Grade 13 Russian or RUSA10

**RUS810Y**
Advanced Russian
3L MWF 11:40-12:30
Advanced Russian

**RUS812Y**
The Nineteenth Century Russian Novel
The development of the novel: Puškin, Lermontov, Gogol, Turgenev, Gončarova, Dostojevsky and Tolstoy.
Prerequisite: For generalists NONE; for specialists RUSA10
Comprehensive: For generalists NONE; for specialists RUSA11 or RUSB10

**RUS813Y**
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

**RUS823G**
Soviet-Russian Undergraduate 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 Žamyla, Bulgakov, Pasternak, Tetz, Solzhenitsyn and others. C.V. Ponomareff, M.Q. Schonberg

**RUS824Y**
Twentieth Century Russian Poetry
Studies in poetic perception, Blok, Mayakovsky, Esenin, Tsveteva, Akhmatova, Mandel'shtam and Klenovsky. All reading in the original.
Prerequisite: RUS810

**RUS825Y**
Supervised Reading
Course not offered in 1974-75.

**SOC235**
The Indian Sub-Continent: Contemporary Problems
Course not offered in 1974-75.
Prerequisite: One course in Social Science
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 cooperation, competition and conflict.

The courses listed below represent some of the major subdivisions of Sociology and several approaches to the study of social phenomena.

**SOC101Y**
Introduction to Sociology
2L: WF10/WF2, 1T
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, socialisation, deviant behaviour, population, community, stratification, social institutions and social change. R.L. James.
Exclusion: (SOC103)

**SOC102Y**
Contemporary Society
2L: WF12, 1T
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, socialisation, stratification, collective processes, social change, etc.
Exclusions: SOC101; (SOC103)

**SOC104Y**
Principles of Sociology: A Fieldwork Approach
4L: WKB11
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.

**SOC201Y**
Methods in Social Research
2L: MW2, 2P: MS5/W5-5
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. Brady.
Prerequisite: One course in Sociology

**SOC202Y**
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.

**SOC302Y**
History of Social Thought
2L: MF9/F10, 2T: F10-12
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

**SOC304Y**
Political Sociology
Course not offered in 1974-75.
Prerequisite: One course in Sociology

**SOC305Y**
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.

**SOC310Y**
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

**SOC312Y**
Sociology of the Family
2L: MF12, 1T
The sociological study of the family in contemporary Western society, with special emphasis on its historical development, social forces which have influenced it, the relationship 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

**SOC313Y**
Canadian Society
A sociological analysis of Canadian society, with emphasis on its changing structure. J.L. deLannoy.
Prerequisite: One course in Sociology

**SOC314Y**
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

**SOC316Y**
Social Change
2L: RI1-1, 1T: W11/W12
A sociological analysis of forms of change, such as industrialization, modernization, urbanization, and their

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consequences for the structure and function of contemporary society. R. O'Toole.
Prerequisite: One course in Sociology

Sociology of Deviant Behaviour 2L, 1TR12
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.

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. Iagow.
Prerequisite: One course in Sociology

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.
Exclusion: SOCC15
Prerequisite: One course in Sociology

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. A. Howell.
Exclusion: SOCC15
Prerequisite: One course in Sociology

Power and Organization
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.
Exclusion: (SOCC302); COMB27Y
Prerequisite: One course in Sociology, Commerce, Economics, or Political Science

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. Iagow.
Prerequisite: Two courses in Sociology, one of which must be a B-level course

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.
Prerequisite: Two courses in Sociology, one of which must be a B-level course

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.
Prerequisite: Two courses in Sociology, one of which must be a B-level course

Special Problems of Sociological Theory
Course not offered in 1974-75.
Prerequisite: Two courses in Sociology, one of which must be a B-level course

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.
Prerequisite: Two courses in Sociology, one of which must be a B-level course
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.
Prerequisites: Two courses in Sociology, one of which must be a B-level course

Sociology of Culture
A theoretical and empirical study of the sociological processes by which the belief and cognitive systems, values 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

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

Sociology of Revolution
Course not offered in 1974-75.
Prerequisites: Two courses in Sociology, one of which must be a B-level course

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

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. M. Howell.
Prerequisite: SOC923 or permission of instructor

Sociology of Conflict
Theories of conflict in the development of Sociology from Marx to the present applied to instances of social conflict.

Social Change in Latin America
Prerequisites: Two courses in Sociology, one of which must be a B-level course

Sociality of the Arts
Course not offered in 1974-75.
Prerequisites: Two courses in Sociology, one of which must be a B-level course

Sociality of Religion
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

Sociological Analysis: Qualitative Methods
Course not offered in 1974-75.
Prerequisites: Two courses in Sociology, one of which must be a B-level course

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

Competitive 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

Independent Studies
Prerequisites: Any 15 courses; permission of instructor

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 SOC801 early in their programme of studies.)
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<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>SPA01Y</td>
<td>Introductory Spanish: 3L: MWF1/MWF2/MWF3, 1T: M9/M10/W9, 2P: R1-3</td>
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<tr>
<td></td>
<td>A course in basic grammar and syntax, with instruction in spoken and written</td>
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<td></td>
<td>Spanish in classroom and language laboratory. J.J. Chicoy-Dabán; M.J. Maillard.</td>
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<td>Exclusion: SPA001</td>
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<tr>
<td>SPA02F</td>
<td>Intermediate Spanish: 3L: MWF1, IP: R12</td>
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<tr>
<td></td>
<td>Review of Spanish grammar and syntax; elementary composition. R.J. Barta.</td>
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<tr>
<td></td>
<td>Exclusion: SPA002</td>
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<td></td>
<td>Prerequisite: Grade 13 Spanish or SPA001 or SPA001</td>
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<tr>
<td>SPA03S</td>
<td>Pre-Literary Examination of Texts: 3L: MWF1</td>
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<tr>
<td></td>
<td>The basic elements of style with rapid reading and comprehension of texts of</td>
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<td>various periods. M.J. Barta.</td>
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<td>Exclusion: SPA003</td>
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<td></td>
<td>Prerequisite: SPA002 or SPA002</td>
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<tr>
<td>SPA04F</td>
<td>Phonetics: 2L: TR3, 2P: T8-11</td>
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<td></td>
<td>Articulatory phonetics; Spanish sound speech; intensive practice in</td>
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<td>pronunciation and transcription. R. Skyrme.</td>
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<td>Exclusion: SPA004</td>
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<tr>
<td>SPA05S</td>
<td>Conversation: 3L: MWF1</td>
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<td></td>
<td>Comprehensive practice in the spoken language, through controlled</td>
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<td>situational oral work and discussion groups, with attention also given to</td>
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<td>the comprehension of the major regional variants. J.J. Chicoy-Dabán; M.J.</td>
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<td></td>
<td>Maillard. Exclusion: SPA005</td>
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</tbody>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>SPA06S</td>
<td>Conversation</td>
</tr>
<tr>
<td></td>
<td>A continuation of SPA 005.</td>
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<td></td>
<td>J.J. Chicoy-Dabán</td>
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<tr>
<td></td>
<td>Exclusions: SPA006</td>
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<tr>
<td></td>
<td>Prerequisite: SPA005</td>
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<tr>
<td>SPA07F</td>
<td>Intermediate Syntax and Composition</td>
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<td></td>
<td>Same course as SPA 007.</td>
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<td></td>
<td>Course offered in only the Summer Evening Session, 1974.</td>
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<td></td>
<td>Exclusion: SPA007</td>
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<tr>
<td></td>
<td>Prerequisite: SPA002</td>
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<tr>
<td>SPA07S</td>
<td>Intermediate Syntax and Composition</td>
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<td></td>
<td>3L: MWF1</td>
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<tr>
<td></td>
<td>Practice in the effective writing of Spanish. M.J. Maillard.</td>
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<tr>
<td></td>
<td>Exclusion: SPA007</td>
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<tr>
<td></td>
<td>Prerequisite: SPA002</td>
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<tr>
<td>SPA08F</td>
<td>Cultural Aspects of Spain and Latin America</td>
</tr>
<tr>
<td></td>
<td>3L: MWF1</td>
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<tr>
<td></td>
<td>Examination through readings and discussion, in Spanish, of aspects of</td>
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<td></td>
<td>the culture of Spain and Latin America. J.J. Chicoy-Dabán; M.J. Maillard.</td>
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<td></td>
<td>Exclusion: SPA007</td>
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<tr>
<td></td>
<td>Prerequisite: Grade 13 Spanish or SPA001</td>
</tr>
<tr>
<td>SPA12S</td>
<td>History of the Spanish Language</td>
</tr>
<tr>
<td></td>
<td>The languages of Spain, from pre-Roman times to the present.</td>
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<tr>
<td></td>
<td>R. Skyrme</td>
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<tr>
<td>SPA13F</td>
<td>Romanticism</td>
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<td></td>
<td>Course not offered in 1974-75.</td>
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<td></td>
<td>Prerequisite: SPA001 or SPA001</td>
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<tr>
<td>SPA17F</td>
<td>The Nineteenth Century Spanish Novel</td>
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<td></td>
<td>Course offered in only the Evening Session, 1974-75.</td>
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<tr>
<td></td>
<td>The evolution of the Spanish novel in the nineteenth century will be</td>
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<td>examined through reading and discussion of selected works in</td>
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<td></td>
<td>Cudemo/or/ismo, Realism, Realismo, and Naturalism. R. Skyrme.</td>
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<tr>
<td></td>
<td>Exclusion: SPA001 or SPA001</td>
</tr>
<tr>
<td>SPA18Y</td>
<td>Survey of Spanish Literature I</td>
</tr>
<tr>
<td></td>
<td>Course not offered in 1974-75.</td>
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<tr>
<td></td>
<td>Exclusion: SPA001</td>
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<tr>
<td>SPA19Y</td>
<td>Survey of Spanish Literature II</td>
</tr>
<tr>
<td></td>
<td>From the eighteenth century to the present. Reading, analysis, and discussion</td>
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<tr>
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<td>of major texts of Peninsular Spanish Literature of this period. A</td>
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<tr>
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<td>continuation of SPA18. R.J. Berta.</td>
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<td></td>
<td>Prerequisite: SPA001</td>
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<td>Course Code</td>
<td>Course Title</td>
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<tr>
<td>SPA820Y</td>
<td>Advanced Language Practice</td>
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<tr>
<td>SPA821F</td>
<td>Stylistics and Translation</td>
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<tr>
<td>SPA822F</td>
<td>Medieval Literature</td>
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<tr>
<td>SPA823Y</td>
<td>Spanish Drama</td>
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<tr>
<td>SPA825F</td>
<td>Golden Age Prose</td>
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<td>SPA826S</td>
<td>Golden Age Poetry</td>
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<td>SPA827F</td>
<td>The Poetry and Theatre of Garcia Lorca</td>
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<tr>
<td>SPA828S</td>
<td>Spanish American Literature: A Survey</td>
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<tr>
<td>SPA829F</td>
<td>Spanish American Literature: The Short Story</td>
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<tr>
<td>SPA830S</td>
<td>The Novel of the Mexican Revolution</td>
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<td>SPA832F</td>
<td>Topic in Contemporary Latin-American Literature in Translation</td>
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<td>SPA833F</td>
<td>Spanish American Poetry 1880-1920</td>
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<tr>
<td>SPA834S</td>
<td>Poets of the Vanguardia</td>
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<td>SPA835F</td>
<td>Supervised Reading</td>
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<td>SPA836S</td>
<td>Supervised Reading</td>
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<td>SPA837S</td>
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<td>SPA838S</td>
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<td>Supervised Reading</td>
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<tr>
<td>SPA840S</td>
<td>Supervised Reading</td>
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### 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.

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<tr>
<th>Course Code</th>
<th>Course Title and Instructor</th>
<th>Days</th>
<th>Time</th>
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</thead>
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<tr>
<td>ANTA01Y</td>
<td>Introduction to Anthropology (G. Ellis J. Davies)</td>
<td>Tues &amp; Thurs</td>
<td>7-8 p.m.</td>
</tr>
<tr>
<td>ECCA01Y</td>
<td>Introduction to Economics</td>
<td>Tues &amp; Thurs</td>
<td>7-8 p.m.</td>
</tr>
<tr>
<td>ENSGB3Y</td>
<td>The Modern Novel</td>
<td>Tues &amp; Thurs</td>
<td>7-8 p.m.</td>
</tr>
<tr>
<td>EGRA03S</td>
<td>Introduction to Geography: Geographic Methods I. Cartographic and Field Methods (C.J. Sparrow)</td>
<td>Tues &amp; Thurs</td>
<td>7-8 p.m.</td>
</tr>
<tr>
<td>GGRA08F</td>
<td>Introduction to Geography: Regional Analysis (P.W. Caves)</td>
<td>Tues &amp; Thurs</td>
<td>7-8 p.m.</td>
</tr>
<tr>
<td>U.S. History</td>
<td>Canadian History since Confederation (W. McKay)</td>
<td>Mon &amp; Wed</td>
<td>7-8 p.m.</td>
</tr>
<tr>
<td>HISG64F</td>
<td>Calculus with Linear Algebra (Y.L. Park)</td>
<td>Tues &amp; Thurs</td>
<td>7-8 p.m.</td>
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<tr>
<td>MATA01H</td>
<td>Introduction to Linear Algebra</td>
<td>Wed</td>
<td>7-8 p.m.</td>
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<tr>
<td>PHIL804F</td>
<td>Philosophy in Literature</td>
<td>Mon &amp; Wed</td>
<td>7-8 p.m.</td>
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<tr>
<td>PHIL870S</td>
<td>Philosophy of Science</td>
<td>Mon &amp; Wed</td>
<td>7-8 p.m.</td>
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<tr>
<td>POLS23Y</td>
<td>Politics and Society in the U.S.S.R.</td>
<td>Tues &amp; Thurs</td>
<td>7-8 p.m.</td>
</tr>
<tr>
<td>PSY306F</td>
<td>Supervised Readings in Psychology</td>
<td>Arrange with Instructor</td>
<td>7-8 p.m.</td>
</tr>
<tr>
<td>PSY309F</td>
<td>Supervised Readings in Psychology</td>
<td>Arrange with Instructor</td>
<td>7-8 p.m.</td>
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<tr>
<td>PSY330S</td>
<td>Supervised Research in Psychology</td>
<td>Arrange with Instructor</td>
<td>7-8 p.m.</td>
</tr>
<tr>
<td>SOC101Y</td>
<td>Comparative Social Structure</td>
<td>U.L. de Lamooy, Z. Barthe</td>
<td>Mon &amp; Wed</td>
</tr>
<tr>
<td>SPA307F</td>
<td>Intermediate Syntax &amp; Composition</td>
<td>M.J. Maillard</td>
<td>Tues &amp; Thurs</td>
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</table>

#### Summer Day Session, Scarborough, 1974

The Summer Day Session begins on Tuesday, 7 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.
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, deadlines for withdrawal and dates for examinations, please refer to the "Academic Calendar" section of this Calendar.

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title and Instructor</th>
<th>Time</th>
</tr>
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<tbody>
<tr>
<td>ANTA01Y</td>
<td>Introduction to Anthropology (L. Davies)</td>
<td>Mon 7.00-10.00</td>
</tr>
<tr>
<td>ANTB02S</td>
<td>Anthropology of Religion (C.E. Hopen)</td>
<td>Wed 7.00-9.00</td>
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<tr>
<td>ANTB06F</td>
<td>Anthropology of Development</td>
<td>Thurs 7.00-9.00</td>
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<td>ANTB08S</td>
<td>History of Ethnological Theory</td>
<td>Thurs 7.00-9.00</td>
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<td>ANTB14Y</td>
<td>Human Evolution (L. Williams)</td>
<td>Tues 7.00-9.00</td>
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<tr>
<td>ANTB15F</td>
<td>Introduction to Economic Anthropology (C.E. Hopen)</td>
<td>Tues 7.00-9.00</td>
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<tr>
<td>BIOA03Y</td>
<td>Introductory Biology</td>
<td>Tues 7.00-10.00</td>
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<tr>
<td>CLA001Y</td>
<td>Epic Poetry: Homer, Virgil and Lucan</td>
<td>Thurs 7.00-9.00</td>
</tr>
<tr>
<td>COMA01Y</td>
<td>Financial Accounting</td>
<td>Thurs 7.00-9.00</td>
</tr>
<tr>
<td>COR021F</td>
<td>Management Accounting</td>
<td>Mon 7.00-9.00</td>
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<tr>
<td>COR0215</td>
<td>Information Systems and Control</td>
<td>Mon 7.00-9.00</td>
</tr>
<tr>
<td>COR027Y</td>
<td>Power and Organization</td>
<td>Thurs 7.00-9.00</td>
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<td>ECON01Y</td>
<td>Introduction to Economics</td>
<td>Wed 7.00-9.00</td>
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<td>ECON015</td>
<td>Money and Banking</td>
<td>Wed 7.00-9.00</td>
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<td>ECON014F</td>
<td>Labour Economics</td>
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<td>ECON017F</td>
<td>Urban Economics</td>
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<td>EDC016F</td>
<td>Topics in Advanced Economic Theory</td>
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<tr>
<td>ENG007Y</td>
<td>American Literature: An Introduction (J. Kay)</td>
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<td>ENG012Y</td>
<td>English Drama to 1842 (J.M.R. Magrane)</td>
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<td>Fiction before 1832 (W.J. Howard)</td>
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<td>FRA020Y</td>
<td>The Arts in Canada: 1670 to Present (B. Lord)</td>
<td>Thurs 7.00-9.00</td>
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<td>Preparation for University French Studies</td>
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<td>Geomorphology: The Pleistocene Epoch (B. Greenwood)</td>
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<td>GGR015Y</td>
<td>Quantitative Analysis (G.J.R. Hewings)</td>
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<td>Cultural Geography</td>
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* 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
GGRC035 | Regional Industrial Analysis and Development (G.J.D. Measing) | 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
GSSA01Y | The European World: An Introduction to History (U.S. Pearl, M. Ekstein) | *Tues 7.00 - 9.00
HISB01Y | British History Since 1785 (J.P.B. Kenyon) | *Mon 7.00 - 9.00
HISB03Y | History of the United States (W.M. Dick) | *Tues 7.00 - 9.00
HISB05Y | Canadian History to 1867 (U.S. Morl) | *Wed 7.00 - 9.00
HISB06Y | Canadian History since Confederation (I.R. Robertson) | *Wed 7.00 - 9.00
HISB31Y | The South, Slavery, and Sectionalism in American History, 1867-1868 (A.N. Sears) | *Tues 7.00 - 9.00
HISB43Y | Ontario History, the 19th Century (W. McKay) | Thurs 7.00 - 9.00
MATA22Y | Techniques of Calculus (Y.L. Park) - Lecture | Thurs 7.00 - 9.00
PHLA00Y | Fundamental Questions in Philosophy (J.H. Spellic) | Wed 7.00 - 10.00
PHLB12S | Marx and Marxism (W.C. Graham) | Thurs 7.00 - 10.00
PHLB41F | Plato and His Predecessors (G.D. Mosher) | Tues 7.00 - 10.00
PHLB41S | Plato and His Predecessors II (G.D. Mosher) | Mon 7.00 - 10.00
POLA01Y | Canadian Government and Politics | *Thurs 7.00 - 9.00
POLA03Y | Modern Political Thought | *Tues 7.00 - 9.00
POLA10Y | International Relations | *Tues 7.00 - 9.00
POLA12Y | The Chinese Political System | *Thurs 7.00 - 9.00
POLA23Y | Politics and Society in the U.S.S.R. | *Mon 7.00 - 9.00
PSY01Y | Introduction to Psychology | Wed 7.00 - 10.00
PSY03Y | Data Analysis in Psychology (M.G. Enfass) | Tues 7.00 - 10.00
PSY05S | Experimental Design in Psychology (B. Forrill) | Tues 7.00 - 10.00
PSY09S | General Experimental Psychology - Lecture | Mon 7.00 - 9.00
PSY10F | Introduction to Social Psychology (A.S. Ross) | *Tues 7.00 - 9.00
PSY12S | Social Interaction (A.S. Ross) | Thurs 7.00 - 10.00
PSY12S | Developmental Psychology (J.M. Kennedy) | *Thurs 7.00 - 9.00
PSY30S | Personality | Thurs 7.00 - 10.00
PSY40S | Abnormal Psychology | Tues 7.00 - 10.00
PSY66S | Man and Machines (N.P. Moray) | Mon 7.00 - 10.00
PSY43S | Thought and Action (A. Kukla) | Wed 7.00 - 10.00
PSY50F | Supervised Readings in Psychology (Members of the Faculty) | Arrange with Instructor

*In addition to the lectures tutorials will be arranged.

Course Code | Course Title and Instructor | Time
---|---|---
PSYC015 | Supervised Readings in Psychology (Members of the Faculty) | Arrange with Instructor
PSYC02F | Supervised Research in Psychology (Members of the Faculty) | Arrange with Instructor
PSYC03S | Supervised Research in Psychology (Members of the Faculty) | Arrange with Instructor
PSYC08Y | Thesis in Psychology (N.P. Moray) | Arrange with Instructor
SOC201Y | Introduction to Sociology | Wed 7.00 - 10.00
SOC202Y | History of Social Thought (W.W. Inajin) | *Tues 7.00 - 9.00
SOC205Y | Urban Sociology (N. Howell) - Lecture | Mon 6.00 - 8.00
SOC207Y | Urban Sociology (N. Howell) - Tutorial | Mon 8.00 - 10.00
SOC220F | Power and Organization (L.L. Howard) | Thurs 7.00 - 9.00
SOC230F | Collective Behaviour (R. O'Toole) | *Wed 7.00 - 9.00
SOC240S | Social Movements (R. O'Toole) | *Wed 7.00 - 9.00
SPA30S | Intermediate Spanish (M.J. Ballard) | *Wed 7.00 - 10.00
SPA30S | Conversation (J.L. Chicoque-Daban) | Tues 7.00 - 10.00
SPA31Y | The Modern Spanish Novel (R. Skryme) | 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, deadlines for withdrawal and dates for examinations, please refer to the "Academic Calendar" section of this calendar.

Course Code | Course Title and Instructor | Time
---|---|---
ANTB04Y | The Canadian Indian Today | Wed 7.00 - 10.00
ANTB085 | The Prehistoric Archaeology of Canada (M. Latta) | Mon 8.00 - 10.00
ECAD01Y | Introduction to Economics | Tues 7.00 - 10.00
ECB01Y | Price Theory | Tues 7.00 - 10.00
ENG02Y | Modern Poetry (M.C. Kirkham) | Mon 6.00 - 8.00
GER10Y | Introductory German (H. Wittmann) | *Mon 7.00 - 9.00
GPH05V | Urban Geography (P.W. Cawet) | Tues 7.00 - 10.00
HIS20F | Church-State Relations in Canada (U.S. Morl) | Mon 8.00 - 10.00
MATA22Y | Techniques of Calculus | Thurs 7.00 - 10.00
PHLA00Y | Philosophical Classics | Thurs 7.00 - 10.00
POLA01Y | Canadian Government and Politics | Wed 7.00 - 10.00
POLA22Y | U.S. Government and Politics | Wed 7.00 - 10.00
PSY20S | Personality (A. Kukla) | Mon 7.00 - 10.00
PSY20S | Sensation and Perception | Mon 7.00 - 10.00
SOC201Y | Introduction to Sociology | Mon 7.00 - 10.00
SOC205S | Sociology of Occupations | Thurs 7.00 - 10.00
SOC208Y | Sociology of Education | Thurs 7.00 - 10.00
PMD01Y | |
# Room and Telephone Directory

**1973-74**

<table>
<thead>
<tr>
<th>Telephone</th>
<th>Room</th>
</tr>
</thead>
<tbody>
<tr>
<td>294-3300</td>
<td>5-417</td>
</tr>
<tr>
<td>or 294-3127</td>
<td>5-417</td>
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</table>

### General Enquiry
- **Registrar's Office**
  - Telephone: 294-3333
  - Room: Front Door

### Divisional Offices

<table>
<thead>
<tr>
<th>Division</th>
<th>Telephone</th>
<th>Room</th>
</tr>
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<tbody>
<tr>
<td>Humanities</td>
<td>294-3304</td>
<td>S-528</td>
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<tr>
<td>Life Science</td>
<td>294-3391</td>
<td>S-421A</td>
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<td>Physical Science</td>
<td>294-3289</td>
<td>R-4044</td>
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<tr>
<td>Social Science</td>
<td>294-3302</td>
<td>H-411</td>
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</table>

### Bookstore
- Telephone: 294-3251
- Room: S-360

### Library
- Telephone: 294-3246
- Room: S-503

### Student Services
- Telephone: 294-3292
- Room: S-418

### Additional Information

- To reach a Scarborough College number from outside the College, dial 284 followed by the telephone number above.

### List of Faculty Members

<table>
<thead>
<tr>
<th>Name</th>
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<th>Telephone</th>
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<tbody>
<tr>
<td>Campbell, D.E.</td>
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<td>Capell, J.M.</td>
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<tr>
<td>Caton, R.B.</td>
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<tr>
<td>Cev, P.W.</td>
<td>Geography</td>
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<tr>
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<tr>
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<tr>
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To reach a Scarborough College number from outside the College, dial 284 followed by the telephone number above.
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To reach a Scarborough College number from outside the College, dial 284 followed by the telephone number above.

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To reach a Scarborough College number from outside the College, dial 284 followed by the telephone number above.
Savian, D. Philosophy 3141 H-526
Sawyer, V. Economics 3193 H-428
Scovelli, G. Fine Art 3334 R-3299
Scheinberg, M. Drama 3205 H-334
Schroeder, H.B. Anthropology 3252 S-311
Schwimmer, E.G. Anthropology 3252 H-428
Scott, G.D. Physics 3231 S-521
Scott, J. Student Services 3392 S-418D
Senders, V. Psychology 3363 S-516
Shaw, M.C. Classics, Fine Art 3334 R-3241
Shept, A.N. History 3314 H-318
Shirley, R.W. Anthropology 3314 H-318
Sieglof, R. Fine Art 3334 R-3243
Skyrma, R. Spanish 3258 H-317
Smelt, M. Psychology 3337 S-540D
Snyder, L. Sociology 3131 H-428
Sober, J.H. Philosophy 3268 H-513
Solomon, S. Political Science 3170 R-5241
Sorvill, J. Library 3317 S-504A
Spark, C. Botany 3218 S-551A
Sprow, C. Associate Chairman – Social Sciences 3332 H-410
Staaten, T. Psychiatrist 3303 S-304A

Students' Council 3135/3343/3344 S-3028
Tait, M. English 3307 R-3237
Tardos, L. Chairman — Social Sciences 3302 H-400
Tayyeb, A. Geography 3301 S-567A
Taplenhardt, W. German 3178 H-323
Theil, K. English 3179 R-5010
Thomas, A.C. English 3199
Thompson, P. Philosophy 3141 H-526
Tobias, 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-4263
Vicini, E.P. English 3268 H-512
Walker, A. Associate Dean — Planning and Building 3116/3210 S-406A
Walker, M. Economics 3115 H-420
Walker, M.B. Physics 3300 R-4237
Warden, B.R. Classics 3171 H-522
Wahsen, S. Russian 3268 H-315
Wilker, J.B. Mathematics 3192 R-4060
Wittmann, H. German 3315 H-314
Wood, H. Microbiology 3221 S-429
Wood, J.D. Linguistics 3298 H-508
Woodruff, G. Physics 3342/3289 R-2566
Youson, J.H. Zoology 3321 S-560

To reach a Scotborough College number from outside the College, dial 294 followed by the telephone number above.
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1975
1974 - 1975
Scarborough Calendar