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**The Academic Calendar**

**1972**

**April 1**  
Last day for new and special students to apply for admission to the Summer Evening Session.

**April 1**  
Last day for receipt of applications for Early Admission to the September 1972 - 73 Full-Time Session. (Current Ontario Grade 13 students only are eligible for Early Admission.)

**April 7**  
No classes after this date. All term assignments should be completed by this date.

**April 17**  
Annual examinations begin.

**May 5**  
Annual examinations end.

**May 15**  
Summer Evening classes begin ("Y" and "F" courses).

**May 22**  
Victoria Day (all classes cancelled).

**May 24**  
Last day for making a change in a Summer Evening Session "F" course.

**May 29**  
Last day for making a change in a Summer Evening Session "Y" course.

**June 1**  
Last day for requests to transfer from Part-Time to Full-Time studies.

**June 1**  
Last day for Full-Time students to request transfer to another College.

**June 1**  
Scarborough College Convocation - 10:30 a.m.

**June 9**  
Last day for withdrawal without academic penalty from a Summer Evening Session "F" course.

**June 22**  
"F" half-courses in the Summer Evening Session end.

**June 30**  
Last day for withdrawal without academic penalty from a Summer Evening Session "Y" course.

**July 1**  
Last day for receipt of applications from candidates seeking admission as Part-Time students in the Winter Session September 1972 - 73.

**July 3**  
Dominion Day observance (all classes cancelled).

**July 4**  
Summer Evening Session "S" courses begin.

**July 10**  
Last day for students with supplemental privileges to apply to write the August examinations.

**July 12**  
Last day for making a change in a Summer Evening Session "S" course.

**July 28**  
Last day for withdrawal without academic penalty from a Summer Evening Session "S" course.

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
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<tbody>
<tr>
<td>August 7</td>
<td>Civic Holiday (all classes cancelled).</td>
</tr>
<tr>
<td>August 11</td>
<td>Summer Evening Session classes in &quot;Y&quot; and &quot;S&quot; courses end.</td>
</tr>
<tr>
<td>August 14-18</td>
<td>Supplemental and 1972 Summer Session Examinations.</td>
</tr>
<tr>
<td>September 4</td>
<td>Labour Day (University closed).</td>
</tr>
<tr>
<td>September 5</td>
<td>Registration of Full-Time 1st year students, A - K inclusive, 9:00 a.m. to 4:30 p.m.</td>
</tr>
<tr>
<td>September 6</td>
<td>Registration of Full-Time 1st year students, L - Z inclusive, 9:00 a.m. to 4:30 p.m.</td>
</tr>
<tr>
<td>September 7</td>
<td>Registration of Full-Time 2nd year students, 9:00 a.m. to 4:30 p.m.</td>
</tr>
<tr>
<td>September 8</td>
<td>Registration of Full-Time 3rd year students and 4th year (Scarborough Campus) students, 9:00 a.m. to 4:30 p.m.</td>
</tr>
<tr>
<td>September 9</td>
<td>Registration of Full-Time 4th year (St. George Campus) students at Sidney Smith Hall, 9:00 a.m. to 12 noon, and 2:00 p.m. to 4:30 p.m.</td>
</tr>
<tr>
<td>September 9</td>
<td>The late registration fee will be enforced for Full-Time students after this date.</td>
</tr>
<tr>
<td>September 11</td>
<td>Classes for the 1972-73 Academic Year begin at 9:00 a.m.</td>
</tr>
<tr>
<td>September 30</td>
<td>Last day for receipt of applications for Ontario Students Awards (OSAP).</td>
</tr>
<tr>
<td>October 6</td>
<td>Last day for enrolling in Full Term Half-Courses and Full-Year Courses.</td>
</tr>
<tr>
<td>October 9</td>
<td>Thanksgiving Day (all classes cancelled).</td>
</tr>
<tr>
<td>October 15</td>
<td>Last day for receipt of applications for University of Toronto In-Course Bursaries.</td>
</tr>
<tr>
<td>November 15</td>
<td>Last day for withdrawal from a Fall Term Half-Course without academic penalty.</td>
</tr>
<tr>
<td>November 24</td>
<td>Fall Convocation.</td>
</tr>
<tr>
<td>December 8</td>
<td>Last day of classes.</td>
</tr>
<tr>
<td>December 11-13</td>
<td>Term-test period for multi-section courses.</td>
</tr>
<tr>
<td>December 13</td>
<td>All term assignments should be submitted by this date.</td>
</tr>
<tr>
<td>December 14-20</td>
<td>Examination period for Fall Term Half-Courses.</td>
</tr>
<tr>
<td>December 21</td>
<td>Christmas Holiday begins.</td>
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<tr>
<td>Date</td>
<td>Event</td>
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<tr>
<td>January 2</td>
<td>Second term instalment of fees due (Full-Time students only).</td>
</tr>
<tr>
<td>January 8</td>
<td>Second term begins. Classes commence at 9:00 a.m.</td>
</tr>
<tr>
<td>January 15</td>
<td>Last day for receipt of applications for Scarborough College bursaries.</td>
</tr>
<tr>
<td>January 16</td>
<td>Final date for payment of tuition fees without penalty.</td>
</tr>
<tr>
<td>February 1</td>
<td>Last day for enrolling in Spring Term Half-Courses.</td>
</tr>
<tr>
<td>February 11-18</td>
<td>Reading Week (all classes cancelled).</td>
</tr>
<tr>
<td>February 15</td>
<td>Last day for withdrawal from Full-Time Studies without academic penalty and for transfer from Full-Time Studies to a Part-Time Programme.</td>
</tr>
<tr>
<td>April 13</td>
<td>Last day of classes. All term assignments should be submitted by this date.</td>
</tr>
<tr>
<td>April 19</td>
<td>Final examinations begin.</td>
</tr>
<tr>
<td>April 20</td>
<td>Good Friday (University closed).</td>
</tr>
<tr>
<td>May 11</td>
<td>Final examinations end.</td>
</tr>
<tr>
<td>May 25</td>
<td>University Commencement begins.</td>
</tr>
<tr>
<td>June 1</td>
<td>Last day for receipt of applications from candidates seeking admission to the regular Full-Time Session, September 1973-74.</td>
</tr>
<tr>
<td>June 1</td>
<td>Last day for former students, not in attendance at the 1972-73 Session, to apply to re-register in the session September 1973-74.</td>
</tr>
<tr>
<td>June 1</td>
<td>Last day for students to request to transfer from Part-Time to Full-Time studies.</td>
</tr>
<tr>
<td>June 1</td>
<td>Last day for Full-Time students to request a College Transfer.</td>
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</tbody>
</table>
Administration and Faculty, 1971-72
The University
Chancellor
Pauline Mills McGibbon, S.M., B.A., LL.D.
Acting President
J.H. Sword, M.A., LL.D.
Acting Executive Vice-President (Academic) and Provost
D.F. Forrester, A.M.
Executive Vice-President
A.G. Rankin, B.Com., F.C.A.
Vice-President and Registrar, and Secretary of the Senate
R. Ross, M.B.E., M.A.
Chief Librarian
R.H. Blackburn, M.A., B.L.S., M.S., LL.D.
Assistant Registrar and Director of Admissions
W. Kent, M.A.
Director of Student Awards
F.S. Phillips, B.A., C.A.
Director of Statistics and Records
J.M. Tosie, M.A., B.A.
Director of University Health Service
G.E. Wodehouse, M.C., M.D., F.R.C.P.(C), M.R.C.P.
Director of Career Counselling and Placement Centre
D. Currey, B.A.Sc.
Acting Director of International Student Centre
E.A. McKee, M.A.
Director of Advisory Bureau
D.J. McCullough, B.A., M.D., D.Psych., F.R.C.P.(C)
Director of Housing Service
Mrs. M.G. Jeffery, B.A.

The College
Principal
A.F.W. Plumtre, C.B.E., M.A.
Dean
S.J. Colman, M.A.
Assistant to the Dean
Mrs. M. Bradshaw, M.Sc.
Associate Dean and Registrar
J.D. King, B.A., Ph.D.
Associate Dean (Planning and Building)
A. Walker, B.Sc., Ph.D.
Assistant Registrars
N.H. Dobbs, B.A.
D. Keeling, M.A.
Admissions Adviser
Mrs. L. Gordon

Assistant to the Associate Dean and Registrar
Miss J.M. Scott, B.A.
Student Services Officer
Mrs. C.L. Seguinot, B.A., M.A.
Registration Officer
Mrs. A.M. Lewis, B.A.
Librarian
J.L. Ball, M.A.
Assistant Librarian
Mrs. J.K. Sowby, B.A., B.L.S.
Director of Athletics
T. Pallandi, B.P.H.E., M.A., M.S.
Superintendent of Buildings and Grounds
G.A. Fitzgerald
Assistant Superintendent
R.L. Wright

Division of Humanities
Chairman
P.H. Salus, B.Sc., M.A., Ph.D.
Classics
Miss A. Boddington, B.A., Associate Professor
J.R. Warden, M.A., Associate Professor
J.H. Corbett, M.A., Ph.D., Assistant Professor
P.S. Derow, B.A., Ph.D., Assistant Professor
J.N. Grant, M.A., Ph.D., Assistant Professor
Mrs. E.M. Irwin, M.A., Ph.D., Assistant Professor
I.R. McDonald, B.A., Ph.D., Assistant Professor
Mrs. M.C. Shaw, M.A., Ph.D., Lecturer

English
J.M.R. Margeson, M.A., Ph.D., Professor
W.J. Howard, M.A., Ph.D., Associate Professor
J. Kay, M.A., Ph.D., Assistant Professor
M.C. Kirkham, M.A., M.Phil., Assistant Professor
Mrs. B.S. Martineau, M.A., Ph.D., Assistant Professor
A.J.G. Pateman, M.A., Ph.D., Assistant Professor
A.C. Thomas, M.A., Ph.D., Assistant Professor
Mrs. E.P. Vicari, M.A., Ph.D., Assistant Professor
Mrs. M.A. Creelman, M.A., Lecturer
Mrs. T. Long, B.A., Lecturer
R.D. Rodgers, M.A., Lecturer
M. Tait, M.A., Lecturer
K. Theil, M.A., Lecturer
Russian
C.V. Ponomarev, M.A., Ph.D., Assistant Professor
Mrs. S. Whalen, M.A., Lecturer

Spanish
R.J. Barta, M.A., Ph.D., Associate Professor
P.R. Leon, M.A., Ph.D., Assistant Professor
Miss J.M. Mailard, M.A., Phil.M., Assistant Professor
R. Skyrme, M.A., M.Litt., Ph.D., Assistant Professor
J.I. Chico-Daban, M.A., Lecturer

Division of Science
Chairman of Life Sciences
J.C. Ritchie, B.Sc., Ph.D., D.Sc.

Acting Chairman of Physical Sciences
P.J. O’Donnell, M.Sc., Ph.D.

Administrative Assistant to the Chairman,
Division of Science
I.A. MacDonald

Astronomy
R.C. Roeder, M.Sc., Ph.D., Associate Professor
P.C. Gregory, M.Sc., Ph.D., Assistant Professor
P.P. Kronberg, M.Sc., Ph.D., Assistant Professor

Biology
J.C. Ritchie, B.Sc., Ph.D., D.Sc., Professor
F.A. Urrutxuri, M.A., Ph.D., Professor
I.M. Campbell, B.Sc., M.A., Ph.D., Associate Professor
M.F. Filouss, M.S., Ph.D., Associate Professor
G.F. Israelach, B.Sc., Ph.D., Associate Professor
Mrs. C. Sparling, B.Sc., Ph.D., Associate Professor
G.A. Yarranton, B.Sc., Ph.D., Associate Professor
I.R. Brown, B.Sc., Ph.D., Assistant Professor
R.E. Dengler, B.Sc., Ph.D., Assistant Professor
G.N. Smith, Jr., M.A., Ph.D., Assistant Professor
V.V. Kingley, M.Sc., Ph.D., Assistant Professor
J.H. Youson, B.A., M.Sc., Ph.D., Assistant Professor
Miss L. Liimamaki, B.A., M.Sc., Instructor
Miss C. Pickett, B.Sc., M.A., Instructor

Chemistry
P.A.G. O’Hare, M.Sc., Ph.D., Visiting Associate Professor
A. Walker, B.Sc., Ph.D., Associate Professor
R.B. Catan, B.A., Ph.D., Assistant Professor
R.O. Harris, B.Sc., M.A., Ph.D., Assistant Professor
Anthropology
C.E. Hagen, M.A., Associate Professor
R. Knight, M.A., Ph.D., Associate Professor
H.B. Schroeder, B.A., Ph.D., Associate Professor
E.G. Schwimmer, M.A., Ph.D., Associate Professor
R.W. Shirley, M.A., Ph.D., Associate Professor
Miss F.D. Burton, B.S., M.A., Ph.D., Assistant Professor
Mrs. M. Latta, M.A., Lecturer

Economics
K.F. Helleiner, Ph.D., F.R.S.C., Professor
A.F.W. Plumptre, C.B.E., M.A., Professor
K.J. Rea, M.A., Ph.D., Professor
L. Tarshis, B.Comm., M.A., Ph.D., Professor
P. Pelikan, Ing.C.Sc., Associate Professor
M.W. Bucoffovsky, M.A., Ph.D., Assistant Professor
D.E. Campbell, B.A., Assistant Professor
B. Singh, M.A., Ph.D., Assistant Professor
V.W. Bladen, M.A., LL.D., D.Litt., D.Sc.Soc., F.R.S.C., Special Lecturer
Mrs. V. Sawyer, A.B., M.A., M.B.A., Instructor

Geography
P.W. Cave, M.A., D.Phil., Associate Professor
K.E. Francis, M.S., Ph.D., Associate Professor
C.J. Sparrow, B.Sc., Ph.D., Associate Professor
A. Tavyn, M.A., Associate Professor
M.F. Bunce, M.A., Ph.D., Assistant Professor
B. Greenwood, B.Sc., Ph.D., Assistant Professor
G.J.D. Hewings, M.A., Ph.D., Assistant Professor

Political Science
S.J. Colman, M.A., Professor
R. Gregor, M.A., Ph.D., Associate Professor
E. Andrew, B.A., Ph.D., Associate Professor
K.R.J. Sandbrook, M.A., Assistant Professor
Mrs. S.G. Soloman, M.A., Assistant Professor
R.S. Blair, M.A., Lecturer

Sociology
R.L. James, M.A. Ph.D., Professor
W.M. Gerson, M.A., Ph.D., Associate Professor
W.W. Isiwi, M.A., Ph.D., Associate Professor
R.C. Beal, M.A., Ph.D., Assistant Professor
M.E. Hamu, M.A., Ph.D., Assistant Professor
L.L. Howard, M.A., Ph.D., Assistant Professor
J.A. Lee, M.A., D.Phil., Assistant Professor
P.H. Soloman, Jr., M.A., Assistant Professor
R. O'Toole, M.A., Instructor

Division of Social Sciences
Chairman
L. Tarshis, B.Comm., M.A., Ph.D.
Arts And Science At Scarborough College

Scarborough College is one of the eight colleges of the University of Toronto which offer programmes in Arts and Science to their students. Until the 1972-73 academic year, Scarborough College was an integral member of the Faculty of Arts and Science of the University, the College's academic rules and regulations were those of the Faculty, and the curriculum was subject to the approval of the Faculty. Scarborough College, physically at a distance from the St. George campus, never intended merely to duplicate what is offered on that campus. Instead the College, with the full approval of the Faculty, had set out to create a distinctive and interesting academic programme.

Beginning with the 1972-73 academic year, the College will discontinue its formal association with the Faculty and will be responsible directly to the University Senate. Close liaison with the Faculty will be maintained, however, so that, for example, students registered on one campus will continue to be able to take some courses on other campuses of the University. Graduates of Scarborough College will continue to receive the B.A. or B.Sc. degree of the University of Toronto. This new position within the University will allow the College to progress more rapidly towards the distinctive academic programme which is its goal. Because the College is self-contained on its own campus, because the design of the building tends towards a greater intimacy than is usual elsewhere in the University, and because of the sense of academic community that derives from this, the College has continually worked to find ways in which it can benefit from this closeness between faculty and students, and between the various disciplines taught in the Faculty. The result has been a broad movement towards the development of interdisciplinary studies.

The College offers courses leading to three- and four-year B.A. and B.Sc. degrees. Four-year programmes are not presently available in all subject areas, although the number of disciplines offering such programmes is growing steadily with the increase in the size of the College. Students are permitted complete freedom of selection of subjects in their programmes and may enrol in courses of varying degrees of seniority and complexity. When accepting this freedom the student also assumes the responsibility for the determination of the character of his or her programme - whether it is to be oriented towards specialization in a single discipline or is to be more interdisciplinary in character. The College urges, and assists, its students to exercise this responsibility with discretion, and to avail themselves of as much counselling as they may require in order to proceed towards a degree in a suitable and satisfying programme.

Library

For a college its size, Scarborough has a large and well equipped library - over 100,000 volumes, and over 1,000 current periodicals. Students have direct access to the books, which have been selected to support the courses offered in the College, and 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 via the daily book delivery service. The library is open until 11 pm. from Monday through Thursday during the school year and until 8 pm. on Fridays. It is open on Saturday from 10 am to 5 pm, and on Sunday from 1 pm. to 5 pm. 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.

Scholarships and Financial Assistance

Awards and financial assistance are available in one or a combination of three forms:

Scholarships: Awarded to students for academic excellence, without reference to financial need.

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

Interest-free loans: Provided to students who demonstrate financial need. Students must assume interest charges and commence repayment of their loans shortly after the termination of their studies.

Scarborough College students may qualify for awards offered by the Province of Ontario, the University of Toronto, or Scarborough College itself.

Ontario Student Awards Programme

In cases where students' and (in the case of dependent students) parents' resources are insufficient according to a Government means test to meet academic costs, the Ontario Students Awards Programme (OSAP) will provide assistance.

Most students who are Canadian citizens or landed immigrants, and who have established themselves as Ontario residents according to OSAP criteria, are eligible to apply for assistance. An Ontario Student Award is part interest-free loan and part grant.

All awards of $800, and less are interest-free loans. For awards over $800, the first $800 is awarded in the form of an interest-free loan, and the remaining portion of the award in non-repayable grant.

In 1971-72, awards ranged from as little as $50, to as much as $2200, 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 Awards Programme, 1972-73", available from the Office of the Associate Dean and Registrar.

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 Awards or who have received OSAP.
assistance which is insufficient to meet their needs. Application forms may be obtained from the Office of the Associate Dean and Registrar (284-3300) or from any post-secondary institution in Ontario. Students are urged to apply early. Students who have not submitted applications by 1 July may well not receive assistance in time for registration in September. Single students under twenty-five 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, OSP applications must be submitted by 30 September, 1972. Applications submitted after this date but before 31 January 1973 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 1973.

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

Scholarships

1. University of Toronto Admission Scholarships
   Awarded to students entering the first year at Scarborough College directly from Grade 13 with outstanding high school records.
   The Senate of the University of Toronto awards a large number of scholarships which are listed in the booklet, *University of Toronto Admission Awards, 1972-73*, available at any Ontario high school. Application for University of Toronto admission scholarships must be made on application forms available from and submitted to the student's high school.

2. Scarborough College Admission Scholarships
   The following scholarships are awarded by the Council of Scarborough College. All students who apply for University of Toronto Admission Scholarships will automatically be considered for Scarborough College Admission Scholarships. A second application is unnecessary.
   *Agincourt Lions Club Scholarship.* Gift of the Agincourt Lions Club, this scholarship is awarded to a student with high first-class standing entering Scarborough College directly from any secondary school in the Borough of Scarborough. Value: $300.
   *I.O.D.E. Isabel Rutter Chapter Admission Scholarship.* One of three gifts of the Imperial Order, Daughters of the Empire, Isabel Rutter Chapter, this scholarship is awarded to a student with high first-class standing entering Scarborough College from any secondary school in the Borough of Scarborough. Value: $200.

Scarborough College Open Admission Scholarships. A number of scholarships are awarded by the Senate of the University of Toronto to students entering first year at Scarborough College with high first-class standing. The number and value of the scholarships will be determined by the Scarborough College Council.

3. Township of Pickering Admission Scholarship. One of several gifts of the Township of Pickering, this scholarship is awarded to a student with high first-class standing entering first year at Scarborough College. Preference is given to students of the Township of Pickering. Value: $250.

4. Varsity Fund Admission Scholarships. Gifts of the Varsity Fund, three scholarships are awarded to students with high first-class standing entering the first year at Scarborough College. Value: $500.

II In-Course Scholarships

Awarded to students who achieve excellent academic standing in first, second or third year and are continuing to the next highest year.

1. University of Toronto In-Course Scholarships
   A number of scholarships are awarded by the Senate of the University of Toronto. Application forms are available in the Fall from the Registrar's Office and must be submitted by 15 October, 1972.

2. Scarborough College In-Course Scholarships
   The Council of Scarborough College awards the following scholarships. All students who achieve outstanding results will be considered. It is not necessary to submit an application.
   *I.O.D.E. Isabel Rutter Chapter Scholarships.* Two of three gifts of the Imperial Order, Daughters of the Empire, Isabel Rutter Chapter, these scholarships are awarded to students with high Grade "A" standing: (a) in the first year, entering the second year at Scarborough College; and (b) in second year, entering third year in the College. Value: $200.

Scarborough College Open Scholarships. A number of scholarships are awarded by the Senate of the University of Toronto to students completing first, second and third years with high Grade "A" standing and entering their next years at Scarborough College. The number and value of the scholarships will be determined by the Scarborough College Council.

Township of Pickering Scholarship. One of several gifts of the Township of Pickering, this scholarship is awarded to a student achieving high Grade "A" standing in the first or second year, and entering the second or third year at Scarborough College. Township of Pickering students are preferred. Value: $250.

III Graduating Class Prizes

Awarded to members of the graduating class with exceptionally high standing. No application is necessary.

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

*Graduating Class Prizes.* A non-monetary prize (valued at about $50) is
awarded to students with the highest standing in the graduating class in each of: Humanities, Sciences and Social Sciences. The nature of the prize is determined [in advance of the Award] by the Awards Committee in consultation with the appropriate Division in the College.

Bursaries

1. University of Toronto In-Course Bursaries
   Students in second, third or fourth year at Scarborough College, who are in financial need and who have achieved a good academic record are eligible to apply for University of Toronto In-Course Bursaries. Application forms are available in the fall from the Office of the Associate Dean and Registrar and must be submitted by 15 October 1972.

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. Applications will be available in the Office of the Associate Dean and Registrar and must be submitted by 15 October 1972.

   - Scarborough College Special Bursaries. Made available from funds allocated by the Senate of the University of Toronto, these bursaries are awarded to students in real financial need who are making very good academic progress. Value: $150.
   - Scarborough College Alumni Association - Varsity Fund Bursaries. Gifts of the Varsity Fund, through the auspices of the Scarborough College Alumni Association, these bursaries are awarded to students in real financial need who are making satisfactory academic progress.
   - Township of Pickering Bursaries. Gifts of the Township of Pickering, these bursaries are awarded to students in real financial need who are making satisfactory academic progress.
   - The MacDonald Bursaries. Gift of Mr. Ian MacDonald, Administrative Officer of the Division of Science, these two bursaries are awarded to students in their second or higher years who demonstrate both very good academic progress and physical financial need. Value: $200, each.
   - The Dr. Vivian Paskal Memorial Bursary. From a fund donated by the family, friends, colleagues and students of the late Dr. Vivian Paskal, this bursary is awarded to a student in third year who will be proceeding to a fourth year (graduate or undergraduate) with specialization in Psychology. Value: $75, and $50, in alternate years.

Emergency Loans

The Scarborough College Emergency Loan and Bursary 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 in need of assistance in order to carry on with their studies. Students should speak to the Registrar, the Assistant Registrar in charge of student affairs, or to a Student Services Officer.

Counselling

The Student Services Office offers counselling on the choice of courses, academic programmes and careers. It also provides information about housing, employment, medical and legal help, and a sympathetic ear for any student problems. Please call 284-3292 or drop into 5415. Members of the Faculty are sincerely interested in advising students and may be reached either at their office numbers listed in the back of the Calendar or through the Divisional secretaries.

Housing

New student housing for Scarborough College has been approved, but construction will not be completed until the fall of 1973. In the interim, several possibilities are open to Scarborough College Students.

The Student Services Office keeps lists of private accommodation in the area. These changes are often that listings may not be mailed out.

Limited accommodation for women is available at the Scarborough Regional School of Nursing, one mile from the College. Applications should be sent to Mrs. Jopson-Taylor at the Scarborough Regional School of Nursing, 2877 Eglinton Avenue, West Hill, Toronto.

Ten small houses near the College are operated as a student co-operative. For information and applications write to the Scarborough College Cooperative Association, Scarborough College, 1265 Military Trail, West Hill, Toronto.

Students may apply to downtown residences or use the University Housing Service at 49 St. George Street, Toronto 5, if they wish to locate in the downtown area.

Health Service

The Health Services offices are located on the third floor, Room S304. Medical care and advice is 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, throughout the week days.

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:

   - Telephone 267-1605 - Dr. T.W. Fox
   - Telephone 439-3471 - Dr. A.M. Breuil

A psychiatric service is provided at the college for consultation about emotional and personal problems, and for psychotherapy. The service is strictly confidential and is for all Scarborough College students. Many students use the psychiatric service to help resolve the struggle of personal growth and development, and help with personal family and emotional problems which interfere with life in some way. The problems may keep students from working effectively, or may prevent enjoyment in relationship with people or hinder studying and decision making.
Appointments with Dr. Taylor Statton and members of the psychiatric staff may be made by calling 284-3303 or 928-2443, between 9:00 a.m. and 5:00 p.m. There is a psychiatrist on emergency call after 5:00 p.m., who may be reached by calling the St. George Street Infirmary 928-2458.

The Health Service requires a medical examination yearly for all students participating in athletics, and smallpox vaccination is recommended for anyone who has not had a previously successful immunization. A recent chest x-ray is required of all students, first and final year, and all students whose domicile is not in Canada.

X-Rays
October 4, 1972 - 10:00 a.m. to 4:00 p.m.
October 5, 1972 - 10:00 a.m. to 4:00 p.m.
October 6, 1972 - 10:00 a.m. to 1:00 p.m.

Athletics
The students of Scarborough College have excellent opportunities for participation in athletics and recreation. First, they can enjoy the benefits of a full programme on the Scarborough Campus which help to plan and administer through the Executive of the Scarborough College Athletic Association. Second, as members of the University of Toronto community, they may also take part in any of the athletic and recreational activities offered at the St. George Campus.

Until the Fall of 1972 there were no indoor recreational facilities at Scarborough College. However, with the imminent completion of an extension to the present college buildings, there will be available to our students and staff a large gymnasium measuring 144 x 120 feet, large enough to accommodate any indoor game, including 3 regulation size tennis courts. There will also be 4 squash courts, a large studio for rhythmic, dance, karate, fencing, judo etc., a very modern weight training room, 2 saunas and locker and shower rooms. All this makes a fine addition to our excellent outdoor facilities which include football fields, 4 tennis courts and facilities for our sailing club.

The new additions are particularly welcome because they will greatly enhance the achievement of our programme aims - free participation in a variety of activities, and opportunities for learning new, interesting sports skills which can be used after graduation.

A handbook containing detailed information regarding the athletic and recreation programme will be available in the fall.

Other Facilities
Parking
Scarborough College parking stickers will be available at a cost of $20.00 for full-time students and $5.00 for part-time students. The daily charge for cars without a sticker will be 35¢. These stickers are valid for the academic year, and may be purchased in September from the Superintendent's Office, S303A.

Bus Service
The College operates a free service between the Scarborough campus and the St. George campus, and to and from the Warden subway station. Bus schedules will be available before classes begin.

Bookstore
The Scarborough College Bookstore remains open until 8:00 p.m. Monday through Thursday during the first three weeks of classes. Thereafter, it will remain open to 8:00 p.m. Mondays and Thursdays only, and to 5:00 p.m. on the remaining weekdays.

Cafeteria
The Cafeteria remains open until 9:00 p.m. Monday through Thursday, and until 4:30 p.m. Fridays each week of the Winter Session. During the Summer Evening Session, it will remain open until 8:00 p.m.

Association For Part-Time Undergraduate Students
In 1968 a questionnaire answered by degree students registered in the Division of University Extension, revealed an overwhelming desire for a student association. A steering committee worked at setting up such an association, and in late 1968 APUDS (the Association for Part-Time Undergraduate Degree Students) was born. Later the word Degree was dropped from the title.

Now, as then, the main purpose of the Association is to act as a link between part-time students registered in the Division of University Extension and the University itself. APUS also tries to act as common ground for the various part-time students themselves.

All part-time undergraduate students at the University belong to APUS, and must pay a small fee. This fee is set out in the By-Laws of the Association, and is calculated per session, not exceeding two sessions per year. There in fact three sessions - Winter, Summer Day, and Summer Evening.

Each class, on each campus, in which a part-time undergraduate student is registered is entitled to elect at least one Class Representative per 25 students. Together the Class Representatives constitute the Assembly of Representatives.

At the annual fall meeting of the Assembly of Representatives, the twelve-man executive is elected by ballot. This twelve-man executive, having at least one member from both Scarborough and Erindale, then elect from themselves a President, two Vice-Presidents, a Secretary, and Treasurer. These five officers plus the other seven directors are the APUS executives for a period of twelve months.

As can be seen, the key link in an organizational structure such as this is the Assembly of Representatives which is composed of Class Representatives. The Class Representatives act as the communicators between their fellow classmates and the APUS executive, though the APUS executive can be reached at home.

In order to assist its members, APUS maintains a full time office during the day at 47 Queen's Park Crescent. The telephone number is
requirements and application procedures are contained in the Undergraduate Admission Handbook 1972-73 (for students presenting Canadian qualifications) and the Undergraduate Admission Bulletin 1972-73 (for students presenting qualifications other than Canadian). Copies of the former publication are available in all Ontario Secondary Schools, and both booklets may be obtained on request from the Director of Admissions, Simcoe Hall, University of Toronto, Toronto 181, to whom all enquiries concerning admission to full or part-time studies should be directed. The standard required for admission to part-time studies is the same as for admission to a full-time degree programme.

Application Procedures

(a) Full-time Studies: As the University of Toronto operates on an academic year system, admissible candidates proceeding as full-time students may begin a degree programme only in September. Candidates currently enrolled in Ontario Grade 13 should obtain application forms from their High School Guidance Office. All other candidates should first write to the Office of Admissions, specifying their interest in Scarborough College and giving full details regarding their academic standing.

(b) Part-Time Studies: Scarborough College welcomes students who wish to pursue part-time studies for a University of Toronto degree. The academic timetable runs from 9:00 a.m. to 10 p.m. and part-time students may request enrollment in any course offered, regardless of the time of day. Courses are also offered in a Summer Evening Session each academic year. A degree course may be begun at either session. All candidates intending to take their degree course as part-time students at Scarborough College should make application to the Office of Admissions, University of Toronto.

Basis of Admission

The basis of admission for applicants whose Grade 13 programme was undertaken in 1971 or 1972 is outlined below; candidates who completed Grade 13 in 1970 or previously should present a seven credit programme. Entrance to the first year of the undergraduate programme is offered to candidates from Ontario Secondary Schools who demonstrate good standing, based upon the following evidence:

1. Completion of Secondary School studies, including a full year of academic work at the Grade 13 level.
2. A recommendation by the Secondary School last attended regarding fitness for University studies.
3. A complete academic report of the three final years of Secondary School.
4. Results of standardized tests offered by the Service for Admission to College and University.

Candidates offering programmes of equivalent standing from another educational system should contact the Office of Admissions who will answer all enquiries relating to equivalent certificates.
Mature Students
Applicants twenty-three years of age or over, residents of Ontario for at least one year, who have a sound academic record, will be considered for admission as mature students upon completion with high standing of one of the Pre-University courses offered by the Division of University Extension (or an equivalent course). Persons wishing to apply as mature students should consult the Office of Admissions about their eligibility before undertaking one of the Pre-University courses, since successful completion of a Pre-University course does not in itself ensure selection.

Pre-University Courses
These courses are designed to assist persons who wish to be considered for admission to the University of Toronto as mature students or who desire preparation for more advanced courses. They are similar to Grade 13 courses, but require the type of performance that will be expected of applicants in the first year of University study.

Courses are offered in English, History, Mathematics, Physics and Chemistry. The fee is approximately $100 per course. A brochure giving additional information is available upon request from the Division of University Extension, 119 St. George Street, University of Toronto.

Summary of Application Dates
Applications for admission should be submitted as early as possible in the year for which the applicant seeks admission, and not later than the dates below.

1 April, 1972  Last day for receipt of applications to be considered for early admission. (Early admission is offered only to currently enrolled Ontario Grade 13 students wishing to enter full-time studies.)
1 April, 1972  Last day for receipt of applications for the Summer Evening Extension Session (not open to students currently enrolled in full-time Ontario Grade 13 courses).
1 June, 1972  Last day for receipt of applications to be considered for the regular full-time programme beginning September, 1972.
1 July, 1972  Last day for receipt of applications from candidates wishing to begin their degree programme as part-time students in the Winter Session beginning September, 1972.

Registration
(a) Full-Time Students
For the session 1972-73, students are free to select their courses at any time from the beginning of April onwards. Thus, returning students will be able to procure counselling and information concerning courses before the summer exodus, and first year students, as soon as they are admitted, will be able to plan their programmes during the summer months. Course changes may be effected at any time after the initial selection of courses until Friday, 11 August, 1972. Course changes will not be accepted from 12 August, 1972, until Monday, 11 September, 1972. Students are urged to avoid leaving course selection until official registration period, the dates of which are given below. During this time, students must produce receipted fee form and receive their Registration cards. Course changes can be made from Monday, 11 September, 1972 until Friday, 6 October, 1972.

Full details of the registration procedures are available from the Office of the Associate Dean and Registrar, and will be supplied to all new students upon admission. The College urges you in your own interest to select your courses as early as you are able. The dates of the registration period now follow. Please attend on the day specified for your year.

Tuesday 5 September 9:00 - 4:30  1st Year A - K
Wednesday 6 September 9:00 - 4:30  1st Year L - Z
Thursday 7 September 9:00 - 4:30  2nd Year
Friday 8 September 9:00 - 4:30  3rd Year
Friday 8 September 9:00 - 4:30  4th Year (all students taking a full 4th Year programme at Scarborough College)

Scarborough College students taking their fourth year on the St. George Campus will register at Sidney Smith Hall between 9:00 a.m. and 12 noon on Saturday, 9 September, 1972.

(b) Part-Time Students
The Registration procedures for part-time students at Scarborough College are under review at this time. Currently registered students will receive the necessary instruction and information by mail. Newly admitted students will receive information concerning Course Selection and Registration after they have been admitted.

For further information or if you have any enquiries, please call 284-3127.

Part-Time Students
Fees
Academic fee for each full-year course is $195.00. Academic fee for each half-course is $47.00. In addition, each student pays $3.00 per session to the Association of Part-Time Undergraduate Students (A.P.U.S.) for the maintenance and furtherance of the services provided for part-time students by their own association. Also, in the Summer Evening Session
only, students are required to pay an additional $2.00 for the Student Activity Fee. Academic fees and the Student Activity Fee are paid in full before each session. Cheques and money orders should be made payable to the University of Toronto.

Registration Cards
To show that his registration has been accepted, each student receives a Registration Card from the Office of the Associate Dean and Registrar. Any change in the information on this card (i.e., the name and address of the student) should be reported immediately to that Office, in writing. Students are required to present their registration cards when borrowing books from the Library and when writing examinations.

Course Changes and Withdrawals
Should a student find it necessary to change his course(s) or withdraw at any stage, he should advise the Office of the Associate Dean and Registrar at Scarborough College, in writing. Students should consult the Academic Calendar at the beginning of this book to ascertain the date by which such adjustment may be made without academic penalty.

Refunds
In order to become eligible for a refund of fees upon withdrawing from a course, the student must write to the Registrar at Scarborough College stating specifically the date of his last attendance in the lecture(s) concerned. If the student is no longer registered in any course that session, he should return his Registration card at the same time.

A student is allowed a maximum of four weeks from the date of withdrawal to give notice. If he fails to follow the above instructions, the amount of the refund may be reduced proportionately. In case the student neglects to state the date of withdrawal, the postmark of his letter will be used as the effective date. Merely ceasing to attend lectures, or informing the instructor, though it is courteous to do this, does not constitute official withdrawal.

Schedule of Refunds: Winter Session
Full Courses:
For students withdrawing between the first day of classes and December 31, $47.50. (For students withdrawing on or after January 1, no refund.)

Half Courses:
For students withdrawing in the first six weeks of classes, $23.75. For students withdrawing after the first six weeks of classes, no refund.

Schedule of Refunds: Summer Evening Session
Full Courses:
For students withdrawing between the first day of classes and June 30, $47.50. (For students withdrawing on or after July 1, no refund.)

Half Courses:
No refund.

Counselling
It is the responsibility of students to ensure that they register in courses, the combination of which comply both with pre- and corequisite requirements. To assist students in this, or to help with any other matters, the Office of the Associate Dean and Registrar is pleased to arrange appointments. Call 284-3292 (Student Services Office) for such assistance. Please note that counselling services are available on certain evenings each week during both Summer and Winter Sessions. Call 284-3292 for details.

Full-Time Fees
Sessional Fees
The interim schedule of fees for 1972-73 is as follows. (The final schedule of fees will be mailed to students during the summer.)

<table>
<thead>
<tr>
<th></th>
<th>Full Fee</th>
<th>First Installment</th>
<th>Second Installment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Men</td>
<td>$629</td>
<td>$413</td>
<td>$228</td>
</tr>
<tr>
<td>Women</td>
<td>$626</td>
<td>$410</td>
<td>$228</td>
</tr>
</tbody>
</table>

Sessional fees include both the basic academic fee and incidental fees for: the Scarborough College Student Society, The University of Toronto Students' Administrative Council, University and College athletics and recreation, Health Service, and Hart House.

Either full fees or the first installment of fees must be paid before a student is permitted to register. The second installment must be paid early in January 1973. It is $12. more costly to pay fees in two installments than in a single installment before registration. A late fee of $15. is charged to students who are late in paying the second installment.

All University fees and other financial obligations to the University must be fully paid before a student will be issued his academic transcript or graduation diploma, and before a student will be permitted further registration in a subsequent session.

Payment of Fees
1. Full Fees or First Installment:
   Each student will receive a "fees form" through the mail during the summer.
   The fees form plus a cheque for the full amount of fees or for the first installment should be mailed or taken as soon as possible to:
   - The Fees Department
   - Office of the Comptroller
   - 215 Huron Street
   - Second Floor
   - University of Toronto
   - Toronto 181

   If the student is unable to pay his full fees or his first installment before 25 August 1972, he should take his fees in person to the Fees Department or to the Office of the Associate Dean and Registrar at Scarborough College. Fees will be accepted at the College only after 25 August. Fees must be paid by means of personal cheque or money order, payable to the University of Toronto. (Counter cheques cannot be accepted.) Cash will be accepted from students paying in person at the Fees Department. However, there are no facilities at the College for handling cash.
2. Deductions From Full Fees or First Instalments:
Students may deduct the following in making payment for full fees or for first instalments:
Deposit: A student who has been newly admitted to the University, and who has paid the twenty-five-dollar deposit upon acceptance of his offer of admission, may deduct twenty-five dollars from his full fees or from the first instalment. The student must quote on his fees form the number of the receipt which will have been mailed to him.
Ontario Student Awards: A student may apply the loan portion only of his Ontario Student Award to pay some or all of his full fees or first instalment. A student who wishes to use his OSAP loan portion to pay his fees must enclose his "Student Award Statement" with his fees form and cheque (if any).
Scholarships: A student may apply to his fees any scholarship awarded by the University of Toronto or by Scarborough College, or awarded through the auspices of the Office of Student Awards of the University. A student who receives a scholarship or another award directly from agencies other than the University may not deduct the amount of the scholarship from his fees. A student who pays full fees in the fall may deduct the full amount of his scholarship. A student who pays only the first instalment in the fall may deduct up to one-half the amount of his scholarship.
3. Second Instalment:
The second instalment of fees must be paid early in January, 1973. Fees may be paid at either the Office of the Associate Dean and Registrar at the College or may be mailed or taken to the Fees Department on the St. George Campus. Fees must be paid by means of personal cheque or money order, payable to the University of Toronto. [Counter cheques cannot be accepted.] The student should print neatly on the back of his cheque his name, address, student number and "Scarborough College".
Miscellaneous Fees
In addition to the sessional fees, there are a number of special fees and penalty fees.
1. Special Fees
Application for Admission Fee: A ten dollar fee is required of all applicants who are not currently full time students in a Canadian High School, or who have not registered in a previous session at the University of Toronto.
Special and Supplemental Examination Fees: Students who are permitted to write supplemental examinations must pay a fee of ten dollars for a supplemental examination in one course and five dollars for supplemental examinations in each additional course. Students who write supplemental examinations at special examination centres outside Toronto must pay an additional fee of five dollars per course. Students who are granted permission to write special examinations must pay a fee of ten dollars per course. Students who petition successfully for the recheck of marks in a failed final examination must pay a fee of five dollars which is refunded if an error is found.
2. Penalty Fees:
Late fees are required of students who fail to complete on time certain University procedures.
Late Registration Fee: A student who registers after the final day of the registration period must pay a late fee of ten dollars plus one dollar for each day of delay, to a maximum of twenty dollars.
Fee for Late Payment of Second Instalment of Sessional Fees: Each student is required to pay the second instalment of his fees in early January of each year. A student who is late with his second instalment must pay a late fee of fifteen dollars.
Requirements for Standing
Each student in full-time attendance plans his own programme by combining together each year five full courses chosen to fit his interests, subject only to the following:
(a) All stated prerequisite and corequisite requirements shall be satisfied.
(b) Any two half-courses are equivalent to one full course; they may be from different disciplines.
(c) An extra full or half-course (not for credit towards a degree) may also be taken in each year, and standing obtained will be recorded.
First Year Programme
A student shall be said to have completed a First Year programme when he has obtained standing in five courses.
A student may not continue in full-time attendance unless he has standing in at least four courses.
Second Year Programme
A student shall be said to have completed a Second Year programme when he has obtained standing in ten courses, at least three of which must be B- or C-level courses.
A student in Second Year may not continue in full-time attendance unless he has standing in at least nine courses.
Third Year Programme and Requirements for Three-Year Degree
A student shall be said to have completed a Third Year programme and shall be entitled to receive a Bachelor of Arts or Bachelor of Science degree when he has:
(a) obtained standing in fifteen courses, at least eight of which must be B- or C-level courses;
(b) a final mark of 60% or better in each of at least eight of the fifteen courses. Of these eight at least four must be B- or C-level courses;
(c) for a Bachelor of Science degree, included in the eight or more required B- or C-level courses at least six courses in one or more of the following disciplines: Astronomy, Biological Sciences, Chemistry, Geography, Mathematics, Physics, Psychology.
A Third Year student may not continue in full-time attendance until he has completed the requirements for a three-year degree. When the three-
year degree is conferred, the designation "Bachelor of Arts (Three-Year)" or "Bachelor of Science (Three-Year)" will appear on the student's academic record.

Entry into a Fourth Year Programme
A student shall be permitted to enter a Fourth Year programme only if he has completed the requirements for a Bachelor's degree as described above.

Fourth Year Programme and Requirements for a Four-Year Degree
A student shall be said to have completed a Fourth Year programme and shall be entitled to have the designation "Bachelor of Arts (Four-Year)" or "Bachelor of Science (Four-Year)" entered on his record when he has:
(a) qualified for a 15-course degree;
(b) at the first six attempts completed an additional five courses, no more than one of which may be an A-level course;
(c) obtained a final mark of 60% or better in each of at least four of the five courses;
(d) for a Bachelor of Science degree, included in the twelve or more required B- or C-level courses at least nine courses in one or more of the following disciplines: Astronomy, Biological Science, Chemistry, Geography, Mathematics, Physics, or Psychology.

*For a list of acceptable courses, consult the Department of Geography.

Probation, Suspension and Refusal of Further Registration in the College
1. A student will be placed on probation if:
(a) he falls two or more courses in any session, or
(b) at the end of any session (Winter or Summer) including or subsequent to that in which the fourth course is attempted, he 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 he will be warned that he must (re-)gain the required 50% of C's by the end of the next comparable academic session.

2. A student will be suspended from the College for one calendar year if:
(a) while on probation he falls two or more courses, or
(b) he does not (re-)gain the required 50% of C's within the specified period on probation.

3. A student will be suspended from the College for three calendar years if:
(a) he falls six courses
(b) he fails to satisfy the requirements for a three-year degree in his first twenty attempts
(c) while on probation a second time he
(i) fails two or more courses, or
(ii) does not regain the required 50% of C's
(d) after return from a one-year suspension he
(i) fails two or more courses in any session, or
(ii) fails two or more courses by the end of the session, or, in the case where that is impossible, fails to obtain a C (or higher) in any course attempted until such time as the 50% requirement has been satisfied.

4. A student who wishes to return to studies in the College after having incurred a three-year suspension may, after the period of suspension has expired, enrol in any one session in two courses which he has not previously attempted. If he obtains an average grade of B in the two courses, and not less than C in either, he will retain credit for these 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. 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.

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

General Regulations for Standing
(a) All students will normally be expected to take a full programme of studies (five courses) in the winter session each year. With the approval of the College, exceptions may be made.
(b) (i) A student may withdraw from the College without academic penalty up to February 15th. However, if he withdraws in the Second Term, credit will be retained for any First Term half-courses completed and failure noted for any First-Term half-course failed.
(ii) If exceptional circumstances warrant it a student may be permitted, on petition, to withdraw from not more than one course (or two half-courses) of his programme without academic penalty.
(iii) A student may withdraw without academic penalty and without petition from an extra first term half-course before November 15th and from an extra full- or second term half-course before February 15th.
(c) A student who wishes to enrol in three or fewer courses in any session may be admitted to the Division of University Extension. He may take a maximum of three courses in a winter session and two in summer session. Students may transfer from full-time attendance to the Division of University Extension before February 15th.
(d) Normally, credit towards a degree will not be given for an extra (sixth) course.

Standing in A Course
The following scale of marks and grades will be used for all courses and half-courses in all years:

<table>
<thead>
<tr>
<th>Marks</th>
<th>Grade</th>
</tr>
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<tbody>
<tr>
<td>80% - 100%</td>
<td>A</td>
</tr>
</tbody>
</table>

34
70% - 79% B
60% - 69% C
50% - 59% D
below 50% Fail

In addition to the above, a final average of B+ (77.79%) may be awarded.

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.

Aegrotat Consideration
If the ability of a student to complete a course is affected by illness or domestic problems occurring after November 15 (First-Term courses) or February 15 (Second-Term and full courses), a petition may be made 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 he must take in order to complete the course.

Such petition must be filed on or before the last day of the relevant final examination period, together with a medical certificate which includes a statement that the candidate was examined at the time of illness, or other evidence to support the petition.

Examinations
Attendance and Examinations
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 registration cancelled at any time by the Council.

Students may not re-take an examination in a course in which they have standing.

The Annual Examinations
The annual examinations are held in late April and early May; final examinations in first-term courses are held in December.

Arrangements may be made to enable eligible candidates to write supplementary examinations in one of the following places: Banff, Calgary, Charlottetown, Edmonton, Fredericton, Halifax, Kapuskasing, Kenora, Kingston, Kirkland Lake, London, Montreal, North Bay, Ottawa, Quebec, Regina, Saskatoon, Sault Ste. Marie, St. John's (Nfld.), Sudbury, Thunder Bay, Vancouver, Whitehorse, Windsor, Winnipeg, and London, England.

Applications for such arrangements must be made not later than November 15, accompanied by the required supplemental examination fee and the special fee.

Candidates for the annual examinations at outside centres must notify the Office of the Associate Dean and Registrar before April 1st if they do not wish to write one or more of the examinations for which they applied; otherwise the fee will be forfeited.

The August Examinations
The August examinations are held in the week following the conclusion of summer session classes. They are open to students enrolled in the Summer Evening Session and to students eligible to write supplemental or deferred examinations.

Candidates who are permitted to write supplemental or deferred examinations must submit a completed printed form of application to the Office of the Associate Dean and Registrar by July 10. After this date an additional fee of one dollar per day to a maximum penalty of $20 must be paid. No application will be accepted after July 31. They may write these examinations at the places listed above as outside centres. Such candidates must make application for this privilege before July 10 and must pay the special fee.

Candidates for the August examinations at outside centres must notify the Office of the Associate Dean and Registrar before August 1 if they do not wish to write one or more of the subjects for which they applied; otherwise the fee will be forfeited.

Failed Fall Courses
If a student fails a fall course, he may take the same course in the spring or a different spring course and the best 5 full courses will be averaged. The same applies to a student who passed a fall course but did not do well and wishes to raise his average. In both cases the fall course mark will appear on his transcript.

Supplemental Examinations
Students in a First Year programme may write a supplemental examination in August in one failed A-level course if they have a term mark in that course of at least 60%. Failure in a supplemental examination will not count as a second failure, but will necessitate re-enrolment in the failed course or a substitute.

Students in Second, Third and Fourth Years and Special Students will not be permitted to write supplemental examinations in A-level courses and none will be offered in B- or C-level courses.

Academic Records
Degrees
Students are permitted to qualify for only one degree (Bachelor of Arts or Bachelor of Science).

A student who qualifies for a Bachelor of Arts or Bachelor of Science
degree at the end of his Fourth Year will graduate and receive his Diploma at that time unless he has already done so at the end of his Third Year.

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

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

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

Plagiarism—Advice for Essay Writers
Plagiarism is the act of presenting the ideas or words of another as your 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.

You may quote or paraphrase another writer if he has stated an idea strikingly, as evidence to support your 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 your own ideas and research and only by trying to develop your own thoughts and arguments will you mature academically.

To provide adequate documentation is not only an indication of academic honesty but also a courtesy enabling the teacher the consult your sources with ease. Failure to do so constitutes plagiarism which is subject to serious academic penalty.
Course Descriptions
Winter Session 1972-73

Timetable Legend
M = Monday  T = Lecture
T = Tuesday  L = Tutorial
W = Wednesday  P = Practical Session
R = Thursday  (Laboratory)
D = Friday  E = Classes commencing
S = Saturday  after 6:00 p.m.
F = Final
I = or
= and
1. The timetable for each course is adjacent to the course title.
2. In some cases, these timetables are provisional and may change by September; PLEASE CHECK THE FINAL TIMETABLE AVAILABLE AT THE BEGINNING OF THE FALL TERM.
3. Where definite tutorial hours are not listed, PLEASE CHECK THE FINAL TIMETABLE AVAILABLE AT THE BEGINNING OF THE FALL TERM.

Course Explanation
1. The letters ‘A’, ‘B’ and ‘C’ prefixed to the course numbers indicate levels of complexity and degrees of specialization, ‘A’ indicates an introductory course, while ‘B’ and ‘C’ indicate more advanced levels of study. Please refer to the section on Academic Regulations concerning the number of ‘A’, ‘B’ and ‘C’ level courses required in each programme of study.
2. The letters ‘Y’, ‘F’, ‘S’ and ‘H’ indicate respectively Full Year, Fall Term, Spring Term and Year-Long Half Courses.

Thus, ANT101Y reads:
ANT - discipline designation
Y - full year course
101 - course number

3. PLEASE NOTE THAT WRITTEN PERMISSION FROM THE INSTRUCTOR IS THE ONLY ALTERNATIVE TO THE PREREQUISITES LISTED, AND MUST BE ATTACHED TO THE COURSE SELECTION FORM.

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 understanding of the common factors underlying human existence and to isolate the causes that have led and continue to lead to social and cultural change (and the differences between peoples and cultures).

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

ANTAOY  Introduction to Anthropology  3L,1T  L-M12W IFZ/R7-10E

Full Course
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.

Prerequisites: None
Corequisites: None
Instructor: Schroeder; members of the faculty

ANTAOFF  Action Anthropology  2L, W2-4, 1T, T2/T3/T5

Term Half-Course
[MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS ANTB01] For some years anthropologists have used their knowledge of human societies in attempts to solve "practical" problems.

The course will offer an opportunity to do some fieldwork, define some problems existing in the groups investigated and consider possible solutions to these problems.

Prerequisites: None
Corequisites: ANTA01
Instructor: Schwimmer

ANTB01F  Cultural Ecology  2L, M11W, 1T, F10/F4

Term Half-Course
A discussion of the reciprocal inter-relationships of human populations differing in culture, social organization and technology and their environment. Material will deal with variables in four broad sub-areas: systems of food production, patterns of disease, ecological
ANTB02S Comparative Slavery 2L-M11W9,1T-R1/R2
Term: L
Half: M11W9
Course: 1T-R1/R2
Prerequisites: ANTA01
Corequisites: None
Instructor: Knight

ANTB03S History of Ethnological Theory 2L-M13W2,1T-M1/M4
Term: M13W2
Half: 1T-M1/M4
Course: Limited Enrolment.
Prerequisites: None
Corequisites: None
Instructor: Schwimmer

ANTB04F The Canadian Indian 2L-R7-9E,1T-R9E
Term: R7-9E
Half: 1T-R9E
Course: A consideration of Canadian Indian communities as they have developed during the last twenty-five years in isolated areas, on reserves, and in cities. Basic data on the legal, political and economic position of the Indian population will be presented along with more detailed study of sociocultural patterns in a range of communities. The comparison of Indian and certain other subcultures in Canada and consideration of the analogous positions of native peoples in certain other countries.
Prerequisites: ANTA01
Corequisites: None
Instructor: Knight

ANTB06F Cultures of Oceania 2L-T7-9E,1T-T9E
Term: T7-9E
Half: 1T-T9E
Course: In Oceania many small societies with highly diverse cultures have developed in comparative isolation. The course will survey their kinship structures, economics, political systems, religions and art, drawing from an extensive literature much of which, because of its theoretical importance, is basic for the study of general Anthropology.
Prerequisites: None
Corequisites: None
Three hours of laboratory per week acquaints the student with the methods and materials utilized by the Physical Anthropologist.
Prerequisites: ANTA01 or ANTB10 or ANTB14
Corequisites: None
Instructor: Burton

ANTB19F Introduction to Political and Economic Anthropology
Term: 2L
Half: M7, 2E, 1T, M9E
[MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS ANTA02] A general survey of the problems of production, exchange, and distribution in Anthropology, and the role of political systems in a largely “development” framework.
Prerequisites: ANTA01
Corequisites: None
Instructor: Shirley

ANTB20S Introduction to Social Organization
Term: 2L, TR2, 1T, T9
[MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS ANTA03] “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.
Prerequisites: ANTA01
Corequisites: None
Instructor: Schimme

ANTC03F Advanced Reading and Research in Anthropology
Term: 2L
Half: TR1
Course
*ARRANGE WITH INSTRUCTOR
A course intended to permit the advanced student in Anthropology to pursue more deeply selected areas in one or several of the sub-disciplines of Anthropology. This will be planned in consultation with an interested instructor.
Prerequisites: One B-level course in Anthropology; permission of instructor.
Corequisites: None

ANTC04S Advanced Reading and Research in Anthropology
Term: 2L
Half: TR1
Course
*ARRANGE WITH INSTRUCTOR
See description for ANTC03.
Prerequisites: One B-level course in Anthropology; permission of instructor.
Corequisites: None

ANTC05F Canadian Cultures
Term: 2L
Half: TR1
Course
[MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS ANTB16] A consideration of contemporary subcultures in Canada and how these have developed in the last forty years. Indigenous groups (Inuit-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. Limited Enrolment.
Prerequisites: One B-level course in Anthropology
Corequisites: None
Instructor: Knight

ANTC06S Problems in Human Evolution
Term: 2L
Half: TR1
Course
An investigation of the view (Fischer 1914, Dobzhansky 1962, Leakey 1962) that human evolution has been a process of self-domestication. Major areas to be considered are processes of domestica-
tion including morphological changes, genetics, ecology, nutrition and behaviour. Data from non-human primates ranging from ‘wild’ to ‘domesticated’ will be drawn upon for comparative pur-
poses, while studies of more popular animals will be examined to analyse the process.
Prerequisites: ANTB14 or ANTB15
Corequisites: None
Instructor: Burton

ANTC07F The Social Anthropology of Pastoral Nomadic Societies
Term: 2L
Half: MW1
Course
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.
Prerequisites: One B-level course in Anthropology
Corequisites: None
Instructor: Hopen

Students should also consult listing under:
NSCA03 Quaternary Environments and Man
NSCB01 Behaviour Biology: Seminar in Psychobiology

Astronomy
The subject matter of Astronomy encompasses all of the observable universe from the limits of the earth’s atmosphere to the most distant galaxies and quasars. With advent of the “space age” the impact of new astronomical discoveries has increased, not only on other fields of science but also on various aspects of public life. At Scarborough College the full extent of astronomical topics is covered in ASTA02 (for science students) and ASTA03 (for non-science students) while more advanced topics in Astrophysics are dealt with in ASTB01 and ASTB03.

ASTA02Y A Survey of Astronomy and Elementary Astrophysics
Term: 2L
Half: TR1
Course
This is a survey course covering all aspects of modern Astronomy, and designed for students who are either taking a science programme or who have a background of Grade 13 Physics and Mathematics. The following topics will be covered: the solar system in detail, including the most recent space vehicle investigations; theories of the
evolution of stars; radio and optical studies of the Milky Way; the
discovery and significance of molecules in space; external galaxies;
radio astronomy; radar astronomy; quasars and their significance;
cosmology; pulsars; current satellite-born infrared, ultra-violet and
x-ray observations, and some recent discoveries by these new obser-
vational methods.

Prerequisites: Grade 13 Math A; Grade 13 Physics
Instructor: Roofer

ASTA03Y
Astronomy: Its History and Significance

2L, IT L: T9R1

A course designed primarily for students with a non-science back-
ground which contains a description of the extra-terrestrial universe
and of the methods used (past and present) to explore it. In addition
to a survey of basic Astronomy, this course will also emphasise the
history of man’s evolving view of the universe. In the latter part of
the course some possible effects of the space effort on contemporary
society at the individual, national and international level will be
analysed. At the beginning of the course the early ideas on the
cosmos will be discussed, from the Egyptian and 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 20th century
technology will be discussed. 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 born Astronomy. A minimum of Mathematics will be
used, and a number of essays connected with the topics above will
be required for term work.

Prerequisites: None
Instructor: Kronberg

ASTB01Y
Topics in Astrophysics

2L, T9R1, IT: R4

This course stresses the application of Physics and Mathematics to
astronomical problems in five main areas:
1. Physics of the Solar System; the determination of the dynamics of
the system and of planetary parameters such as mass and chemical
composition;
2. Radiative Astrophysics; an introduction to radiative transfer and
applications in both optical and radio astronomy;
3. The Structure and Evolution of Stars; a discussion of the equa-
tions which govern the lives of stars, and their observational verifica-
tion;
4. The Structure and Evolution of the Solar System; results of the
preceding sections as applied to our nearest star, the sun;
5. The Structure and Evolution of the Universe; an examination of
the large-scale constituents of the Universe - galaxies and quasars.
and the temporal behaviour of the system as a whole.

Prerequisites: PHYA01; MATA01 or MATA20 or MATA55
Corquisites: MATH41

[ASTB03H Readings in Astrophysics]
Course not offered in 1972-73. A reading course in some topics of current interest in Astrophysics. The topics will be selected by the professor in consultation with the student. No formal lectures will be held but will be replaced by regular consultation between the student and professor. A mini-thesis will be submitted at the end of the winter term.

Prerequisites: PHYA01; MATA01 or MATA20 or MATA55
Corquisites: None

Biological Sciences
The study of micro- and macro-organisms of both plant and animal (including man) origin, 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. Studies of plant form and function have many practical applications such as the development of new varieties which improve food yield. Many life-saving drugs are derived from plant life. Studies of animal form and function have provided vital information pertaining to man and the study of plant and animal communities essential in maintaining a balance of nature.

BIOA03JY Introductory Biology
[2L-T4R1/R7-5E,3P,T9-12/W4-1/R2-5/F1-4/S9-12
MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS BIOA01 AND BIOA02]
This course is designed for students who intend to pursue further 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.

Prerequisites: None
Corquisites: None
Instructor: Flick

BIOB02Y Basic Microbiology
[2L-M12T9,3P,T2-5/R9-12
This introductory lecture and laboratory course deals mainly with the general properties of bacteria, their structure, function and relationship to man, employing selected organisms to demonstrate their significance in areas of industry and the health sciences. The latter part of the course presents a survey of bacterial and animal viruses, rickettsias and fungi.

Prerequisites: BIOA01 or BIOA02 or BIOA03
Corquisites: None
Instructor: Kingsley

BIOB03S Phycology
[2L-MT1,3P,T2-5
A lecture and laboratory course on the ecology, physiology and biochemistry of the algae. Limited enrolment — 25.

Term
Prerequisites: BIOA01 or BIOA02 or BIOA03
Course Corquisites: B1OB15
Instructor: Sparling

BIOB05Y Genetics
[2L-W9R5,3P,M2-5/W2-5
A lecture and laboratory course in cytotogenticis and the genetics of bacteria, fungi and Drosophila.

Course
Prerequisites: BIOA01 or BIOA02 or B1OA03
Corquisites: CHMB05
Instructor: Flicks

BIOB06Y Plant Physiology
[2L-M10W9,3P,W10-1
A lecture and laboratory course covering aspects of water relations, mineral nutrition, salt uptake and the growth and development of plants. Limited enrolment — 40.

Course
Prerequisites: BIOA01 or BIOA03; CHMA01
Corquisites: CHMB05 is recommended but not essential
Instructors: Israelstam; Sparling

BIOB07Y Developmental Biology (Animal)
[2L-M10-12,3P,W10-1/W2-5
Development may be defined as the processes involved in the transformation of the fertilized egg into an adult individual. The course seeks to present the basic concepts of development through a lecture series on molecular and cellular aspects and laboratory exercises on descriptive and experimental embryology. Particular reference will be given to the concept that the fundamental process underlying cell differentiation is regulation of gene activity.

Course
Prerequisites: BIOA01 or BIOA02 or BIOA03
Corquisites: None
Instructor: Brown; Gowind

BIOB08Y Invertebrate Zoology
[2L-M2R1,3P,R2-5
A lecture-laboratory course dealing with the anatomy, taxonomy and evolution of invertebrate animals, from protozoa to protochorin data, with special reference to the parasites of humans.

Course
Prerequisites: None
Corquisites: None
Instructor: Urquhart

BIOB11Y Animal Populations and Evolution
[2L-M7-9E,3P,W10-1/S9-12
A study of the process of heritable changes in animal populations with special regard to population genetics, population dynamics and species diversity.

Course
Prerequisites: BIOB05
Corquisites: None
Instructor: Campbell
**BIOB12Y** Ecology 2L.MW5.8P; full term only; F9.5
The fundamentals of the relations between organisms and biotic systems and the environment.

**Course**
- **Term:** Full
- **Prerequisites:** BIOA01 or BIA02 or BIA03
- **Corequisites:** None
- **Instructor:** Matsunii

**BIOB13Y** Organisation and Phylogeny of Vascular Plants 2L.M11T10.3P.T2.5
A lecture and laboratory course on structure, reproduction and phylogeny in the major groups of living and extinct vascular plants. Special emphasis will be given to the development and structure of cells, tissue systems and plant parts in seed plants.

**Course**
- **Term:** Full
- **Prerequisites:** None
- **Corequisites:** None
- **Instructor:** Dengler

**BIOB14Y** Human Physiology (Human Biology) 2L.T5F4.3P.M2.5.T9.12.T1.4
A lecture-laboratory course dealing with human anatomy and physiology of both normal and abnormal tissue. It is recommended that students taking the course have had a previous course in Zoology at the university level.

**Course**
- **Term:** Full
- **Prerequisites:** None
- **Corequisites:** None
- **Instructor:** Uroshart

**BIOB15F** Limnology 2L.MT1.3P.T2.5
A lecture and laboratory course, with some field work, dealing with the ecology of aquatic organisms, mainly phytoplankton. Limited enrolment - 25.

**Course**
- **Term:** Term
- **Prerequisites:** BIOA01 or BIA02 or BIA03
- **Corequisites:** BIOB03
- **Instructor:** Spaing

**BIOB16Y** Comparative Vertebrate Morphology 2L.T1W12.3P.R2.5.F9.12
[MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS BIOB04 AND BIOB09]. A lecture and laboratory course on the histological and gross structure of vertebrate body systems with reference to their development, evolution and function.

**Course**
- **Term:** Full
- **Prerequisites:** None
- **Corequisites:** None
- **Instructor:** Youson

**BIOB17Y** General and Comparative Physiology 2L.M12W1.3P.T2.5.R9.12
[MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS BIOB09]. 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. Much of the comparative material deals with invertebrate forms.

**Course**
- **Term:** Full
- **Prerequisites:** BIOA01 or BIOA02 or BIOA03
- **Corequisites:** CHMB05
- **Instructor:** Goldring

**BIOB18F** Cell Metabolism 2L.M9T11.8P; every third week; F9.5
[MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS BIOB01]. A lecture and laboratory course dealing with the function of cells. It will include aspects of enzymology, respiratory and photosynthetic metabolism and the control and regulation of metabolism. BIOB03 is recommended as a corequisite. Limited enrolment - 60.

**Course**
- **Term:** Term
- **Prerequisites:** BIOA01 or BIOA03; CHMA01
- **Corequisites:** CHMB05 is recommended but not required
- **Instructor:** Israelam

**BIOB19S** Biology of Macromolecules 2L.T10.12.8P; every third week; F9.5
[MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS BIOB01]. This course is designed to present the basic concepts of the molecular biology of the gene through discussion of key experimental observations. Main topics will be mechanisms of gene replication and regulation of expression of gene activity in higher and lower organisms. Students will receive laboratory experience in the use of a range of molecular biology techniques.

**Course**
- **Term:** Term
- **Prerequisites:** BIOA01 or BIOA02 or BIA03
- **Corequisites:** BIOB03; BIOB18 recommended but not essential
- **Instructor:** Brown

**BIOB20F** Cell Ultrastructure 2L.WF2.3P.R9.12
[MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS BIOB04]. A lecture and laboratory course dealing with current concepts in animal and plant cell ultrastructure, with particular reference to the interpretation of cell components as they appear in electron micrographs.

**Course**
- **Term:** Full
- **Prerequisites:** BIOB16 or BIOB13
- **Corequisites:** None
- **Instructors:** Dengler; Youson

**BIOB21Y** Marine Biology *ARRANGE WITH INSTRUCTOR*
A lecture-laboratory course dealing with Marine Biology presented at the Huntsman Marine Laboratory, St. Andrews, New Brunswick.

**Course**
- **Term:** Full
- **Prerequisites:** BIOA03; BIOB06
- **Corequisites:** None
- **Consultant:** Uroshart

**BIOC01Y** Supervised Study in Biology *ARRANGE WITH INSTRUCTOR*
[MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS BIOC01 and BIOC015]. 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.

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

**Corequisites:** None

**Instructors:** Members of the faculty

**BIOC03Y** Advanced Cell Metabolism

**Full Course**

**Prerequisites:** Satisfactory completion of 15 year-course equivalents, including B10B18.

**Corequisites:** None

**Instructors:** Iseriastam

**BIOC04Y** Invertebrate Ecology

An advanced field-laboratory-seminar course dealing with invertebrate animals in relation to their environment. Field studies will include both terrestrial and aquatic (freshwater and marine) forms, at laboratories in both northern and tropical areas. *

**Prerequisites:** Satisfactory completion of 15 year-course equivalents, including B10B18; permission of the instructor.

**Corequisites:** None

**Instructor:** Uppharth

*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.

Students should also consult listing under:

**NSCA02** Introduction to Natural Science: The Biological Sciences

**NSCA03** Quaternary Environments and Man

**NSCB01** Behaviour Biology: Seminar in Psychobiology

**Canadian Studies**

**CASA01Y** Introduction to Canadian Studies

**Full Course**

Representatives of various disciplines will take part in discussion of Canada as a distinctive unit. For detailed information students should consult the course co-ordinator, Professor Tayyeb.

**Prerequisites:** None

**Corequisites:** None

**Instructor:** Tayyeb

**Chemistry**

A sound knowledge of the fundamental concepts of Chemistry is essential to any student in the Physical or Life Sciences. The basic course in Chemistry is CHMA01 and 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 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, C-level courses can be studied: CHMC01 (inorganic), CHMC02 (Physical) and CHMC03 (Organic).

For those who subsequently wish to enrol 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.

**Scarbrough Courses**

**St. George Series**

CHMA01, CHMB01, CHMC01  
CHMA01, CHMB03, CHMC03  
CHMA01, CHMB05, CHMC05

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

The following courses are also of interest to students in Chemistry and are particularly recommended to students whose interests tend to Physical or Theoretical Chemistry: MATA58, MATB40, MATB46, MATB51, MATB53, MATB56, PHYB01, PHYB02, PHYB04, PHYB05, PHYB11, PHYB12.

**CHMA01Y** General Chemistry

**Full Course**

Chemical equilibrium in the gas phase and in solution; states of matter and equations of state; first and second laws of thermodynamics, thermochemistry; introduction to kinetic theory of gases and reaction kinetics; nuclear Chemistry, atomic and molecular structure, ionic solids; bonding in organic compounds.

**Prerequisites:** Grade 13 Chemistry

**Corequisites:** MATA26 or MATA55

**Instructors:** Members of the faculty

**CHMB01Y** Inorganic Chemistry I

**Full Course**

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

**Prerequisites:** CHMA01

**Corequisites:** None

**Instructor:** Harris

**CHMB02Y** Analytical Chemistry I

**Full Course**

Equilibrium and analysis: volumetric analysis; acid-base, precipitation and complexation titrations. Electrochemistry: oxidation-reduction equilibria and redox titrations, potentiometric (pH) titra-

Prerequisites: CHMA01
Corequisites: None

2L:W9W2
Full Course

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.

Prerequisites: CHMA01; MATA26 or MATA55
Corequisites: None
Instructor: Caton

2L:Y9-11

T1

Inorganic Chemistry II
2L:R10-12,7P:(fall term only)T10-5
A study of transition metal Chemistry including oxidation state diagrams; atomic structure and energy levels; crystal field theory; molecular orbital theory; a thermochmical and structural survey of: 1. divalent ions, 2. trivalent and higher oxidation states, 3. low oxidation states, i.e. carbon, silicon, etc.

Prerequisites: CHMB01
Corequisites: CHMB03
Instructor: Walker

2L:W11F1,4P:R9-3
Full Course

Physical Chemistry II
MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS CHMB04
Statistical mechanics and statistical thermodynamics and their applications to chemical problems. Thermodynamics of non-ideal solutions. Other topics in Physical Chemistry, such as Photochemistry.

Prerequisites: CHMB04 (for 1973-74: a prerequisite of CHMB04 and a corequisite of CHMB03 may be substituted; students who have completed CHMB03 will be excused the laboratory in CHMC02)
Corequisites: MATA41 or MATA50; MATA55

CHMC03Y
Organic Chemistry II
MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS CHMC13
Applications of mass spectroscopy, nuclear magnetic resonance, infrared and ultraviolet spectroscopy to structure determination, a review of the reactions of the functional groups, together with their synthetic applications. The laboratory course will introduce the student to instrumental methods and more sophisticated techniques and may involve a research project.

Prerequisites: CHMB05
Corequisites: None

General Classics
The Greek and Roman world is an excellent area of study for the student who wishes to follow a programme involving different but related disciplines. Of the courses offered, some in themselves are interdisciplinary, dealing not only with language and literature, but also with the political, social and economic background, some confine themselves to one of these aspects, but contribute to a better understanding of the area of study in other courses.

Those who wish to explore Greek and Latin literature may do so in the original languages and/or translation. The Classics courses in particular often provide the opportunity to compare the Greek and Latin authors in their methods and aims and to discover the influence of the classical writers on European literature. No knowledge of Latin or Greek is assumed for the courses in Greek or Roman History, which deal with the social and cultural significance of the ancient world as well as with political history.

A student who wishes to take approximately half of his fifteen courses in Classics should confine himself to "Greek Studies" or "Roman Studies". The core of these courses should consist of three full courses (or their equivalent in half courses) in the ancient language and one course in Greek and Roman History. (GRHB01 for "Greek Studies" and GRHB03 for "Roman Studies"). For "Greek Studies" the remainder should be chosen from other courses in Greek; all courses in Classics (excluding CLAB03; Greek and Roman History B02, B21, B22, B24; Fine Art A01 or A03, B25; Philosophy B65, B66, Humanities B06, B07; Linguistics B04. For "Roman Studies" the remainder may be chosen from other courses in Latin; all courses in Classics; Greek and Roman History B02, B23, B24; Fine Art A01 or A03; Humanities B06, B08; Linguistics B04.

A student wishing to take more than half his course in Classics might follow a combined "Greek and Roman Studies" programme, taking the core group for "Greek Studies" and "Roman Studies" and as many others as he or she wishes. Alternatively the student might concentrate on Latin (or Greek) with Greek and Roman History.

The New Programme offers much flexibility and freedom in the choice of courses. The suggestions given above are designed to help the student plan a cohe-
rent course of study, but he is strongly encouraged to contact members of the faculty for information about individual courses or for advice in planning his programme. (Professor Grant H-331, 284-3128, will be happy to meet with prospective students.)

**Classics**

These courses are intended to provide, for the student who is not able to read the literature of the Greco-Roman World in the original languages, some appreciation of Greco-Roman civilization through the study of appropriate texts in translation. But, though the courses are directly concerned with the literature (of various genres), the philosophy, and the historical and religious thought of the Greeks and Romans, their content is much wider than these specific subjects; in every case the special topics considered will be examined with a view to furthering our understanding of the ancient world and of the relationship between that world and our own. Students will be encouraged to read widely and critically, to contribute to discussions of their reading and to report their findings in literate and original essays.

**CLAB02Y Greek and Roman Tragedy**

<table>
<thead>
<tr>
<th>Term</th>
<th>Course</th>
<th>Prerequisites</th>
<th>Corequisites</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>1L:W7E, 11:W8E</td>
<td>Full Course</td>
<td>None</td>
<td>None</td>
<td>Grant</td>
</tr>
</tbody>
</table>

The tragedy of the Greeks and Romans: an exploration of the nature and intent of Classical tragic drama, its conventions, historical origins and cultural context, with a discussion of selected plays by Aeschylus, Sophocles, Euripides and Seneca.

**CLAB03F Roman Love Poetry**

<table>
<thead>
<tr>
<th>Term</th>
<th>Course</th>
<th>Prerequisites</th>
<th>Corequisites</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>2L:Μ1W12</td>
<td>Half Course</td>
<td>None</td>
<td>None</td>
<td>Warden</td>
</tr>
</tbody>
</table>

A discussion of the treatment of the theme of love in Classical literature and the development of erotic poetry as a literary genre, with a study of Catullus, Propertius, and Ovid.

**CLAB08S The Ancient Novel**

<table>
<thead>
<tr>
<th>Term</th>
<th>Course</th>
<th>Prerequisites</th>
<th>Corequisites</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>1972-73</td>
<td>Term Course</td>
<td>None</td>
<td>None</td>
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</tr>
</tbody>
</table>

The cosy Greek escapist novel, index of a society of reduced political views will be studied in the pages of its five major practitioners (Achilles Tatius, Chariton, Heliodorus, Longus and Xenophon of Ephesus). The Roman counterpart is represented by the Satyricon (the sensual and intellectual odyssey of three antiheroes) and the imaginative and humorous Metamorphoses of Apuleius.

**CLAB09S Greek and Roman Comedy**

<table>
<thead>
<tr>
<th>Term</th>
<th>Course</th>
<th>Prerequisites</th>
<th>Corequisites</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>1972-73</td>
<td>Half Course</td>
<td>None</td>
<td>None</td>
<td></td>
</tr>
</tbody>
</table>

A selection of comedies from the works of Aristophanes, Menander, Plautus and Terence will be read and discussed. Topics will include the nature and purpose of
Comedy, the origins and development of Greek Comedy, and the contributions of Plautus and Terence to the genre.
Pre requisites: None
Corequisites: None

**CLAB21Y Greek and Roman Religion**
1L:T12,2T:F1-3
An exploration of the nature and range of religious experience.
Full Course
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.
Prerequisites: None
Corequisites: None
Instructor: Warden

**CLAB22F Christianity in the Greco-Roman World**
2L:WF11
This course will examine the interrelationship between Christianity with its Jewish origins and the Roman empire in which it spread and eventually became the dominant religion. Content will include the history of the period to the time of Constantine as it relates to the church; the conflict between those who were hostile to classical culture and those who found good in it; themes found in both Christianity and classical religions.
Prerequisites: None
Corequisites: None
Instructor: Irwin

**GRHB01Y History of Greece from 2000 B.C. to the Death of Alexander**
2L:M7,9E,1T:M9E
Full Course
Political, economic, social and cultural aspects. As far as possible, this course will be studied through the Greek authors (in translation) and attention will be given to the discoveries of Archaeology, and its methods. Principal topics include: The World of Homer, past and present; Evolution of Democracy; Sparta, ideal and reality; Athens and Democratic Imperialism; Achievements of Alexander.
Prerequisites: None
Corequisites: None
Instructor: Demos

**GRHB02Y Greek and Roman History from the Death of Alexander to the Gracchi**
2L:MW11,1T,T3:T4
Full Course
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 Greek and Roman worlds, with its internal effects on both.
Prerequisites: None
Corequisites: None
Instructor: Corbett

**GRHB03Y Roman History from the Gracchi to Nero**
2L:T10F1,1T,R9F11
Full Course
The collapse of the republican system of government and the reconciliation of republican forms with military despotism and increasing bureaucracy. This course will emphasize close study of the primary sources for the period; these sources will be read in translation.
Prerequisites: None
Corequisites: None
Instructor: Corbett

**GRHB21Y Greek Democracy**
Course not offered in 1972-73. The central theme will be Athenian democracy; how it evolved, how it worked, and how it compared with other forms of democracy in the Greek world. The subject will be studied, as far as possible, through the relevant Greek authors (in translation).
Prerequisites: GRHB01 or any related Classics course
Corequisites: None

**GRHB22Y The Greeks Overseas**
Course not offered in 1972-73. This course will deal with two closely related topics: (1) the interaction of the Greeks with other races, and the impact of this process on Greek culture; (2) the role of the sea, in war and trade, in the history of Greece.
Prerequisites: GRHB01 or a related Classics course
Corequisites: None

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Students should also consult listing under:

HUMB06 Love and Friendship
HUMB07 The Ulysses Factor
HUMB08 The Age of Augustus
HUMB11 The Art of Satire
[GRKB22Y] Studies in Roman History
Course not offered in 1972-73. This course is intended for the more advanced student; while no prerequisite is indicated, students will be required to demonstrate that they possess the necessary background. Special topics or periods will be chosen for study; some of the possible areas of study are the following: Roman Imperialism, Roman Political History, The Roman Conquest of Italy, The Decline of the Roman Empire, Rome and the Jews. But the final choice of subject(s) of concentration will be governed by the interests of the students and faculty involved.
Prerequisites: None
Corequisites: None

[GRKB24F] Ancient Historiography
Course not offered in 1972-73. 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.
Prerequisites: None
Corequisites: None

Greek
An introductory course is offered in the study of classical Greek, on completion of which the student is ready to read Greek literature. Students with varied interests will be attracted to the study of Greek so that they may read in the original works which continue to influence their field, e.g. lovers of literature will find masterpieces of many genres; students of Philosophy the beginnings of European philosophy; and historians eye-witness accounts of a fascinating period of history.

GRKA01Y Introductory Greek 4L: M10M1W10F10 [MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS GRK001]. This course is based on a structural approach to language learning. The language laboratory will be used. Readings of Greek prose will begin early in the course.
Prerequisites: None
Corequisites: None
Instructor: Irwin

GRKB01F Plato: Apology, Lytias In Eutatarchen 3L: M10TJ3W3, 1P: W1 Socrates' speech in his defence will be read, with accompanying exercises to assist the student in further study of the Greek language. Lytias' speech prosecuting his brother's supposed murderer will also be read.
Prerequisites: Grade 13 Greek or GRKA01 or GRK001
Corequisites: None
Instructor: Shaw

[GRKB11S] Homer: Odyssey
Course not offered in 1972-73. The wanderings of Odysseus, a reading of three books of the Odyssey with discussion of the nature and literary qualities of Homeric epic.
Prerequisites: GRKB01
Corequisites: None

GRKB12S Herodotus 3L: M10TJW3 Selections from the Father of History will be read with discussion of the literary qualities of the work and the historical background.
Prerequisites: GRKB01
Corequisites: None
Instructor: Shaw

GRKB30F Directed Reading *ARRANGE WITH INSTRUCTOR
This course, like GRKB35 - B39 spring term series, is designed for students who are capable of reading Greek on their own with profit and whose interest lies in areas which need to be studied more widely in areas which interest them. Each student will be assigned to an instructor who will choose the texts to be studied taking into consideration the interests of the students. The student will meet his supervisor once a week to discuss topics and difficulties which arise in his reading. (A student may theoretically take any number of these courses, but should consult the instructor before doing so.)
Prerequisites: GRKB11 or GRKB12
Corequisites: None
Instructor: Warden; Irwin

GRKB35S Directed Reading *ARRANGE WITH INSTRUCTOR
[See GRKB30 Above]

Latin
The following courses are designed to acquaint the student with representative works from various periods and genres of Latin literature, emphasizing through study of the texts, an appreciation of language and style; and, through consideration of their literary and historical background, a basic familiarity with classical Roman civilization. The development of a critical reading knowledge of both prose and verse will be stressed, and language study will be directed to this end.

LATA01Y Introductory Latin 4L: M10W12, 1P: W3 [MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS LAT001]. The purpose of this course is to acquaint the student with the essentials of the Latin language. Although the emphasis will be
linguistic, selected texts will be read to introduce the student to Latin literature. On completion of the course a student will be equipped to proceed to LATB01 or LATB02.

Prerequisites: None
Corequisites: None
Instructor: McDonald

LATB01F
Catullus
Term: 3L
Half: W
Course: 9R
F

A representative selection of the work of Catullus will be read: love poems, epigrams, and "long" poems. The influences which affected Catullus and his contribution to Latin poetry will be considered.

Prerequisites: LAT001 or LAT002 or Grade 13 Latin
Corequisites: None
Instructor: McDonald

LATB02S
Cicero
Term: 3L
Half: W
Course: 12
F

Cicero's "Cato" and "On the Republic" will be read. The texts will provide an opportunity of comparing two accounts of the same events from both a literary and historical viewpoint.

Prerequisites: LAT001 or LAT002 or Grade 13 Latin
Corequisites: None
Instructor: Irwin

LATB22F
Horace
Term: 3L
Half: M
Course: W
R
J

A careful study of a selected number of Horace's Odes and Epodes, with attention to such aspects as form and structure, poetic imagination, and literary convention. The selection of poems will embrace such themes as Horace and his work, Horace and the State, wealth and contentment; time and nature, life and death, love; religion.

Prerequisites: LATB01
Corequisites: None
Instructor: Grant

LATB30F
Directed Reading
Term: 2L
Half: T
Course: 7
F

*ARRANGE WITH INSTRUCTOR

Students who have completed LATB01 or LATB02 and wish to do further work in Latin enter a directed reading programme. The purpose of the programme is to allow the student maximum flexibility in the choice of areas which interest him and to allow him to read widely, under direction, in those areas. Each student will be attached to a tutor, and in consultation with him will choose the texts to be studied. A student may choose to read from the works of a specific author (e.g. Livy or Tacitus, for those whose primary interest is history; Vergil or Ovid, for those wishing to do poetry) or in a single genre (such as Satire or Roman Comedy). The student will meet his tutor once a week to discuss points of interest and difficulties which have arisen from his reading, and will meet together with others reading in the same area for regular discussion of common themes and problems (such as principles of appreciation, interpretation and criticism). A student may theoretically take any number of these courses, but should consult the instructors before doing so.

Prerequisites: LATB01 or LATB02
Corequisites: None
Instructors: Warden, McDonald, Grant

LATB35S
Directed Reading
Term: 2L
Half: T
Course: 7
F

*ARRANGE WITH INSTRUCTOR

LATB36S
[See LATB30 Above]

LATB37S
Corequisites: LATB01 or LATB02

LATB38S
Corequisites: None

LATB39S
Instructors: Warden; McDonald; Grant

Commerce

COMA01Y
Financial Accounting
Term: 2L
Half: T
Course: 7
F

[May not be taken in same degree programme as COM100]. Basic theory and concepts which underlie the preparation of financial statements; development of double entry theory and practice; the accounting cycle from the recording of transactions in double entry form to the year-end entries and the preparation of financial statements; problems of measuring income.

Prerequisites: None
Corequisites: None
Instructor: Shapiro

COMB21F
Management Accounting
Term: 2L
Half: T
Course: 7
F

[May not be taken in same degree programme as COM221]. This course introduces management control through case discussions and a computerized management game. It 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).

Prerequisites: COMA01 or COM100
Corequisites: None

COMB22S
Information Systems and Control
Term: 2L
Half: T
Course: 7
F

[May not be taken in same degree programme as COM222]. The course includes information system theory, control theory and practice, relevant costs, responsibility accounting, and a survey of selected management science techniques (with an introduction to linear programming, correlation analysis, and capital budgeting). Through case discussions, interrelationships between information and control systems, managerial style and human behaviour are established.

Prerequisites: COMB21 or COM221
Corequisites: None
Development Studies

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 pernicious 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.

Descriptions of the various courses are provided in the sections of this Calendar set aside for each discipline.

ANTB03 - The Americas: An Anthropological Perspective
ANTB19 - Introduction to Political and Economic Anthropology
ECCB09 - Economic Development
GGRB08 - The Geography of Underdeveloped Areas
GGRC09 - Canada North of Sixty
HISB23 - British Imperialism in Asia and Africa
POLB12 - Politics and Society in Independent Africa
POLB17 - Politics and Society in Modern China
POLC04 - Modernization and Revolution
SOCB16 - Social Change
SOCC08 - Sociology of Industrialization
SOSB02 - The Indian Sub-Continent: Contemporary Problems

Drama

Scarborough College offers a number of courses in Drama in various disciplines
which can be built into programmes by students interested in this field. In 1972-73, a new course will be offered in the history of the theatre, combined with a workshop in theatrical techniques, design, acting, and other aspects of production. It is hoped to add further courses in theatre history and practical work in subsequent years until a full Drama programme is in operation.

**DRAB01Y** Drama Seminar and Workshop

Full Course

The course will consist of two independent parts: one theoretical, the other practical. The student will attend a two hour seminar and two hours of practical workshop each week. The course will attempt to relate the non-literary elements of theatre of particular periods to dramatic writings of the respective times. It will deal with the different theatrical conventions, acting styles, and methods of production from classical theatre through the mid-twentieth century. The role of the director in the late nineteenth and twentieth century theatre will be investigated also. The practical will consist of a weekly two hour workshop, the end product of which will be a full-scale theatrical production. Each student will be expected to both write a paper concerning some aspect of the material covered in the seminar and take part in the production towards the end of the year.

Prerequisites: As enrolment must be limited to 25, all students interested in this course must consult with the instructor before registration.

Corequisites: None

Instructor: Schonberg

Students should also consult the following:

- CLAB02 Greek and Roman Tragedy
- CLAB09 Greek and Roman Comedy
- GRKB30-34 Directed Reading
- GRKB35-39 Directed Reading
- LATB30-34 Directed Reading
- LATB35-39 Directed Reading
- ENGB10 Shakespeare
- ENGB11 Varieties of Drama
- ENGB12 English Drama to 1642
- ENGB31 Modern Drama
- FREB28 French Drama of the 17th Century
- FREB29 French Drama of the 18th Century
- FREB30 French Drama from 1800
- FREB40 The Playwrights of the Golden Age: Corneille, Molière, Racine
- FREB41 The Poetry and Prose of the Golden Age
- GERB03 20th Century Drama and Poetry
- GERB16 19th Century Drama and Poetry
- HUMB09 Introduction to Cinema
- RUSB12 Russian Drama

**SPAB23** Spanish Drama

**SPAB27** The Poetry and Theatre of García Lorca

Directed reading programmes will give the student opportunities for reading Greek and Roman Drama.

**Economics**

The programme in Economics at Scarborough College can now provide a well-rounded training in that field, adequate to prepare the student for his responsibilities as citizen, and for the possibility of further study leading to careers in business, government, and the professions.

There are certain courses from the list that follows which can be regarded as central: the introductory course; the initial courses - Microeconomics (ECON01) and Macroeconomics (ECON02); and at least one course in Economic History. A student who plans to go further with the subject, should consider seriously acquiring some background in Accounting and Statistics, and depending upon interest, form the wide range of other courses noted below.

Obviously, there are other fields related to Economics which can be strongly recommended to the student who wishes to attain a reasonable level of competence. Under this heading, we urge your attention to fields such as Mathematics (especially Calculus, Probability Theory and Linear Algebra), Political Science, History, and the other Social Sciences.

**ECOA01Y** Introduction to Economics 2L, 1T (every second week)

Full Course

A study of economic theory and its application to contemporary Canadian economic problems. Problems discussed will include:

- Unemployment, inflation, pollution, poverty, monopoly.

Prerequisites: None

Corequisites: None

Instructor: Campbell

**ECON02S** Quantitative Methods in Economics 2L, 1R, 1T

This course is a continuation of SOSC01 for students specializing in Economics. Its main purpose is to review the basic statistical concepts and show their meaning in an economic context. This will include some problems in using and testing econometric models.

Prerequisites or Corequisites: SOSC01, ECON01 or ECOA03

Instructor: Pelikan

**ECOB01Y** Price Theory 3L, 1T, 1W

Full Course

An intermediate level development of the principles of microeconomics, 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.

Prerequisites: ECON01 or ECOA03

Corequisites: None

Instructor: Boscoevsky
ECOB02Y National Income and the National Economy 3L:MWFI
An intermediate level exposition of macroeconomic theory, or the
theory of the aggregate national income. The subject matter is how
the level of total national output is determined, and associated
problems of the level of employment, business fluctuations, long
term growth, price levels, and balance of payments adjustment.
Prerequisites: ECOA01 or ECOA03
Corequisites: None
Instructor: Buscovksy

ECOB03Y North American Economic History 2L:R9R3,1T:T10/T3
This course is intended as a survey of important themes in the
economic history of Canada and the United States. A comparative
approach is employed to develop such themes as the role of natural
resource staple industries, the evolution of financial institutions,
problems of industrialization and urbanization, and the relationship
of the state to economic change in the two countries.
Prerequisites: ECOA01 or ECOA03
Corequisites: None

ECOB04Y European Economic History 2L:T9.11/M7.9E
A study of the emergence of industrial society in Europe since the
Middle Ages. There will be some emphasis of 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.
Prerequisites: ECOA01 or ECOA03
Corequisites: None
Instructor: Heileman

ECOB05Y The Economics of Karl Marx 2L:WF12
A study of Marx’s approach to economic theory and economic
history. Discussion will centre on Marx’s theory of capitalism and
will emphasize the theory of exploitation and the process of
accumulation.
Prerequisite: ECOA01 or ECOA03
Corequisite: None
Instructor: Cohen

ECOB06Y Literature of Political Economy 3L:T3R12R2
A study of the classical literature of Political Economy; especially
selections from the work of Adam Smith, Malthus, Ricardo, J.S.
Mill, Marx, Jevons, Marshall and Keynes. The study of the literature
is intended to improve the student’s understanding of contemporary
economic literature and of the contemporary economic world. It
should also improve his ability to assess the wisdom of contemporary
economic policies. Problems of method of conflict of
value are discussed.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Term</th>
<th>Half</th>
</tr>
</thead>
<tbody>
<tr>
<td>ECOB11S</td>
<td>Money and Banking [MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS ECOB11Y]</td>
<td>2L</td>
<td>R7</td>
</tr>
<tr>
<td></td>
<td>Term: ECOB11Y</td>
<td>An introduction to the operation of the money market. The focus will be on analysis of monetary theory and monetary policy.</td>
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<td></td>
<td>Prerequisites: ECOB02</td>
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<td></td>
<td>Corequisites: None</td>
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<tr>
<td>ECOB12F</td>
<td>International Economics: Finance</td>
<td>2L</td>
<td>M1</td>
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<td></td>
<td>Prerequisites or Corequisite: ECOA01 or ECOA03</td>
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<td>Instructor: Tarbice</td>
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<tr>
<td>ECOB13S</td>
<td>International Economics: Trade Theory</td>
<td>2L</td>
<td>M10</td>
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<td>Term: ECOB13S</td>
<td>An analysis of the factors upon which a country's trade with other countries is based and the welfare implications of this trade. &quot;Free Trade&quot; 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 Canada-U.S. Auto Pact.</td>
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<td></td>
<td>Prerequisites or Corequisite: ECOA01 or ECOA03</td>
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<td>Instructor: Walker</td>
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<tr>
<td>ECOB14F</td>
<td>Labour Economics</td>
<td>2L</td>
<td>M9</td>
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<td>Term: ECOB14F</td>
<td>Analyzes 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.</td>
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<td>Prerequisites: ECOA01 or ECOA03</td>
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<td>Corequisites: None</td>
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<tr>
<td>ECOB15S</td>
<td>Industrial Organization</td>
<td>2L</td>
<td>M9</td>
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<td>Term: ECOB15S</td>
<td>The economics of the firm with special attention to the Theory of Market Behaviour. The role of non-price variables such as advertising is also considered. Industrial concentration in Canada and the United States is measured and its economic effects assessed. The role of public policy affecting competition, rate setting, and other aspects of business behaviour may also be discussed.</td>
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<tr>
<td></td>
<td>Prerequisites: ECOB01 or ECOB03</td>
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<td>Corequisites: None</td>
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<tr>
<td>ECOB17F</td>
<td>Urban Economics</td>
<td>2L</td>
<td>M10</td>
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<td>Term: ECOB17F</td>
<td>Economic analysis as applied to contemporary urban problems. Topics discussed include: housing and urban renewal, poverty and income maintenance, education, metropolitan organization of urban areas.</td>
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Prerequisites: ECOA01 or ECOA03
Corequisites: None
Instructor: Gemello

[ECOB24Y Econometrics]
Course not offered 1972-73. A technical study of the problems of measurement and empirical research in Economics. In general we will examine methods of using data which are in part random in character and which are in part the result of a multitude of independent individual decisions based on interrelated variables (such as price). Central to the course is the analysis of estimation and prediction with the aid of regression techniques. Some discussion of systems of simultaneous relationships (or equations) will be undertaken. The identification problem — estimation of demand or supply curves from the observation of equilibrium price and quantity configurations — will be examined.
Prerequisites: ECOA01 or ECOA03; S0S091 (or an equivalent introductory statistics course).
Corequisites: None

ECOB25Y Managerial Economics 2L.WF12
Full Course
This course focuses on the theory and operation of the firm. Linear and non-linear programming are studied as tools in the firm’s decision process. Topics covered include: cost estimation, analysis for pricing decisions, inventory policy, capital and investment theory, analysis of risk and uncertainty.
Prerequisites: ECOA01 or ECOA03
Corequisite: None
Instructor: Walker

ECOC01F Topics in Advanced Micro-Economic Theory 2L.W12F9
Term Half-Course
An investigation of some important questions which require treatment at an advanced level. It will not be necessary for the student to be acquainted with the standard analytical techniques (like linear algebra) for advanced economic theory, but the problems studied will demand depth of understanding of microeconomics. Which topics are explored will depend on the judgement of the instructor but they will usually include: existence and efficiency of a general competitive equilibrium; capital and interest theory; the theory of risk-bearing; stability analysis; cardinal vs. ordinal utility; the core of an economy.
Prerequisites: ECOB01
Corequisites: None
Instructor: Campbell

[ECOC04S Topics in Advanced Macro-Economic Theory: Growth]
Course not offered 1972-73. Economic growth of a capitalist economy is studied with a view to determining the nature of the equilibrium growth path toward which the economy tends over time. Attention will focus on the role of capital accumulation and of technological change. As a prelude to equilibrium growth theory the classical models will be explored. As a sequel to the equilibrium theory, the best growth path, not necessarily the one followed by a laissez-faire economy, will be determined.
Prerequisites: ECOB01; ECOB02
Corequisites: None
Instructor: Campbell

ECOC05S The Economics of J.M. Keynes 2L.M11-1
Term Half-Course
Keynes was without a doubt the most important economist of the century. In this course, the student will be expected to study his major works and to consider their broad social implications. An attempt will be made to evaluate their relevance for Canada and other countries at the present time. Modern criticisms of Keynes will be analysed.
Prerequisites: ECOB02
Corequisites: None
Instructor: Tanhiss

ECOC06F Welfare Economics and Policy Design 2L.R10-12
Term Half-Course
The course will be divided into two major parts. First, attention will be paid to some theoretical questions concerning individual and group welfare in conjunction with a critical analysis of the market system, both from static and dynamic points of view. In the second part, more pragmatic questions will be studied, namely those concerning objectives, instruments, and decision processes of a policy-maker whose task is to improve the working of a market economy under quite realistic conditions. Students are not required to be acquainted with the methods of Mathematical Economics, however they are expected not to fear mathematical formalisation of economic problems.
Prerequisites: ECOB01 or ECOB02
Corequisites: None
Instructor: Pelikan

Students should also consult listing under: S0S041F Quantitative Methods in Social Science

English

English Studies have as their 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. Because English Studies are concerned with the communicative arts, much emphasis is given to close responsive critical reading, clarity of expression, and the development of the powers of criticism and judgement. The programme is directed toward the broadening of experience, the refinement of feeling and judgement and the expansion of the imagination.
Those who wish to prepare themselves for the Specialist Certificate of the Combined Departments of English, a four year programme, may take the required courses at Scarborough College but should consult a member of the English staff during their first year. All students are advised to combine English courses with appropriate courses in other disciplines; i.e., with courses in Classics concerned with literary criticism, comedy, tragedy, and satire; with historical period courses in French and other foreign languages; or with courses in Aesthetics, History, Fine Arts, and Comparative Literature. Courses in Contemporary Literature may also be profitably combined with studies in Anthropology, Sociology or Philosophy. In this respect, Canadian Literature may best be studied as part of the College's Canadian Studies Programme.

Nevertheless, English Studies at Scarborough College recognize their primary concern for the communicative arts in English and the student contemplating enrolling in these courses should do so for the values to be found in this pursuit.

**ENGA04Y English Literature: Forms and Approaches**

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A study of a wide variety of English literature in terms of forms (drama, poetry, novel) and critical approaches. The course will involve some close study of the texts, but will emphasize discussion of particular works as representative of various kinds of literature (e.g. Hamlet as drama, Hamlet as tragedy), as well as discussion of some of the many critical approaches that have been developed for gaining a fuller understanding of literary works (e.g. structural analysis, study of imagery, psychoanalytic analysis). This critical emphasis should make the course particularly interesting for students who would like to specialize in English literature. Texts: Shakespeare, Hamlet; Congreve, The Way of the World; O'Neill, Long Day's Journey Into Night; Beckett, Waiting for Godot; selections from the poetry of Marvell, Pope, Keats, and Yeats; Austen, Pride and Prejudice; Dickens, Great Expectations; E. Broniat, Wuthering Heights; Woolf, To the Lighthouse. Substitutions and additions may be made by individual instructors, who will also assign approximately ten critical articles as required reading.

Prerequisites: None
Corequisites: None
Instructors: Creelman; Theil

**ENGA05Y Canadian Literature in English**

| Full Course |

A survey of important themes and forms in Canadian Literature in the nineteenth and twentieth centuries. Hurllbrown, The Clockmaker; Moodie, Roughing it in the Bush; Leacock, Sunshine Sketches; Grove, Settlers of the Marsh; Five or six novels selected from the works of the following: MacLennan, Callaghan, Buckler, Wilson, Richler, Klein, Watson, Lowry, Davies, Laurence, Le Pan, Godfrey, Poets of the Confederation (ed. Ross); Poets Between the Wars (ed. Wilson); Pratt, Selected Poems; Poetry of Mid-Century (ed. Wilson), and other texts to be agreed on.

Prerequisites: None
Corequisites: None
Instructors: Margeson; Long.

**ENGA08Y Form of Twentieth Century Literature**

| 3L, T5R1F1/MST3W11 |

[May not be taken in same degree programme as ENGA017] An introduction to the reading of twentieth century drama, poetry, and fiction.

Prerequisites: None
Corequisites: None
Instructors: Kay; Kirkham; Thomas

**ENGBO1Y Old English Language and Literature**

| Full Course |

An introduction to the language and literature of the Old English period as represented principally in the poetry and prose of the ninth and tenth centuries. The first term will be used to develop fluency in reading the language, concentrating on the grammar and syntax of various pieces of prose and poetry. The second term will be devoted to more sophisticated study of poems selected from the Exeter Book: Texts: Seven Old English Poems (ed. J. C. Pope); AEthra, Lives of Three English Saints; An Old English Grammar (ed. Quirk and Wren). Prerequisites: None
Corequisites: None
Instructor: Patenall

**ENGBO2Y Chaucer**

| Full Course |

Selections from The Canterbury Tales, The Book of the Duchess, The Parliament of Fowles, Troilus and Criseyde. The F.N. Robinson edition is prescribed. The course involves a study of Middle English grammar and syntax in general and morphology in particular, and of the forms and style of Chaucer's verse.

Prerequisites: None
Corequisites: None
Instructor: Patenall

**ENGBO3Y Middle English Literature**

| Full Course |

A study of the literature of the English speaking world from 1100 to 1500, excluding Chaucer [see ENGBO2Y]. Both poetry and prose will be considered; some non-English works also will be read in translation. Texts: Bennett and Smithers, Early Middle English Verse and Prose; K. Scam, 14th Century Verse and Prose; Elder Edda; Chretien, Yvain; Gottfried, Tristan; Malory, Le Morte d'Arthur.

Prerequisites: ENGBO1 or ENGBO2
Corequisites: None
Instructor: Sahus

**ENGBO4Y English Poetry, Prose and Drama, 1660-1800**

| 2L, WF4 |

The poetry, prose and drama of the Restoration and Eighteenth
Full Course

Century with special reference to the work of Dryden, Pope, Swift and Johnson.

Prerequisites: None
Corequisites: None
Instructor: Howard

[ENGB05Y] Romantic Literature

Course not offered in 1972-73. Blake, Wordsworth, Coleridge, Byron, Shelley, Keats for special study; brief selections from other poets of the period. Wordsworth, Prelude to Lyrical Ballads, Prelude to the Edition of 1816: Coleridge, Biographia Literaria; Shelley, Defence of Poetry; Keats, Selected Letters; selections from other prose writers of the period.

Prerequisites: One other course in English
Corequisites: None

[ENGB09Y] Victorian Poetry

Course not offered in 1972-73. Three major poets, Tennyson, Browning and Arnold will be given concentrated attention. There will also be reading in other poets of the age, including Beddoes, Clough, Fitzgerald, Hopkins, Meredith, Morris, D.G. Rossetti and Swinburne.

Prerequisites: One previous course in English
Corequisites: None

[ENGB09Y] Poetry and Prose of the English Renaissance

PROSE: More, Utopia; Machiavelli, The Prince; Montaigne, Essays (trans. Florio); Sidney, An Apology for Poetry; Bacon, Advancement of Learning (Book I), Essays (selections), New Atlantis; Donne, Paradoxes and Problems (selections), Devotions upon Emergent Occasions (selection); Sermons at the Funeral of Sir William Cockayne; Browne, Urania (Chaps. III, IV, V); Milton, Areopagitica.

POETRY: Spenser, Epithalamion, Sonnets (selections); Donne Hymnes, Faerie Queene (Books I & II); Shakespeare, Sonnets (selections); Venus and Adonis; Donne, Herbert, Herrick, Marvell (selections); Milton, Ode on the Morning of Christ's Nativity; Lydgate; Parody Lost.

Prerequisites: None
Corequisites: None
Instructor: Margeson

[ENGB10Y] Shakespeare

Full Course


Prerequisites: None

[ENGB11Y] Varieties of Drama

Full Course

Prerequisites: None
Instructor: Paternall

ENGB12Y English Drama to 1642

Full Course

Prerequisites: None
Instructor: Tholl; Schonberg

ENGB14Y Varieties of Fiction

Full Course

Prerequisites: None
Corequisites: None
Instructor: Long

ENGB15Y English Poetry

Full Course

Prerequisites: None
Corequisites: None
Instructor: Kirkham

ENGB16Y Fiction 1832-1900

Full Course

Prerequisites: None
Corequisites: None
Instructor: Kirkham

Corequisites: None
Instructor: Paternall

ENGB11Y Varieties of Drama

An exploration of prose fiction ranging through many periods and genres. Reading list to be supplied through the Divisional Office.

Corequisites: None
Instructor: Long

ENGB12Y English Drama to 1642

Plays from the great cycles of medieval religious drama to the end of the Stuart drama in 1642 form the subject matter of this course.

Corequisites: None
Instructor: Tholl; Schonberg

ENGB14Y Varieties of Fiction

A study of the development of the English novel in the Victorian period. We will be concerned with the intellectual, social and political climate from which the novels emerged as well as with the techniques developed by the novelists to embody their visions of man and society. We will also be reading some examples of continental fiction in this period to provide a wider context for discussion of the English novels. Texts: Dickens, David Copperfield, Bleak House; Thackeray, Vanity Fair; G. Eliot, Silas Marner, Middle-
march; Flaubert, Madame Bovary; E. Brontë, Wuthering Heights; Dostoevsky, The Brothers Karamazov; Meredith, The Egoist; Hardy, Jude the Obscure; Conrad, Lord Jim; three or four additional works. Since many of the novels of this course are extremely long, students intending to take this course are urged to read as many of the texts as possible during the summer.

Prerequisites: None
Corequisites: None
Instructor: Thell

[ENGB17Y Fiction Before 1832]
Course not offered in 1972-73. At least twelve works including one or more by each of Richardson, Fielding, Sterne, Austen and Scott.

Prerequisites: None
Corequisites: None

[ENGB21Y American Literature 1607-1865]
Course not offered in 1972-73. Selections from at least two pre-nineteenth century authors and Cooper, Emenon, Poe, Thoreau, Hawthorne, Melville, Whitman, Dickinson. Other authors may be added.

Prerequisites: None
Corequisites: None

[ENGB22Y American Literature 1865-Present]
Selections from approximately twelve authors, including novels, short stories, drama and poetry. The course will focus on several recurrent themes in American literature. Texts include: Twain, Huckleberry Finn; Hemingway, The Sun Also Rises; James, The Portrait of a Lady; Dreiser, Sister Carrie; O'Neil, The Great God Brown; Miller, Death of a Salesman; Brautigan, Trout Fishing in America. Other works to be chosen, including an anthology of poetry.

Prerequisites: None
Corequisites: None
Instructor: Creelman

[ENGB24Y Major American Authors]
An intensive study of a number of American authors (no fewer than four and no more than six) chosen from different periods so as to suggest something of the range of American Literature. At least three will be chosen from the following: Hawthorne, Melville, Whitman, Twain, James, Stevens, Eliot, Faulkner.

Prerequisites: None
Corequisites: None

[ENGB26Y Canadian Poetry in English]
A study of at least fifteen poets from the nineteenth and twentieth centuries, at least nine to be chosen from the following: Crawford, Carman, Lampman, D.C. Scott, Pratt, F.R. Scott, A.J.M. Smith,
as a Young Man; Woolf, The Waves; Cary, The Horse's Mouth. Students are strongly advised to read these novels before the course begins. Limited enrollment – 20.

Prerequisites: One of ENGA04, ENGB14, ENGB16, ENGB17
Corequisites: None
Instructor: Croelman

[ENGC04Y] Four Major Renaissance Authors - Spenser, Milton, Donne, and Jonson
Course not offered in 1972-73. Advanced study, concentrating especially on Spenser and Milton. Spenser: Shepherds Calendar, Amoretti, Fawe Hymnes, Epithalamion, Prothalamion, Faerie Queene Books 1-3, 7; correspondence with Gabriel Harvey. Milton: all the poetry, four of five prose works. Donne: selected poetry and selected prose, concentrating on sermons. Jonson: representative selections from all the poetic works: Every Man In His Humour, Volpone, The Alchemist, Bartholomew Fair, two masques; selections from Timber. Students will be required to write one major essay and prepare several seminar papers.

Prerequisites: Two courses in English, including one B-level; one of the following as a pre- or corequisite: FARB16, FARB17, CLAB01, FREB40, FREB41, ITAB33, ITAB34, ITAB36, ITAB40
Corequisites: See note under Prerequisites

[ENGC05Y] Four Major Restoration and Eighteenth Century Authors
Course not offered in 1972-73.

Prerequisites: Two previous courses in English, including one B-level
Corequisites: None

[ENGC06Y] Studies in Nineteenth Century Literature

Prerequisites: None
Corequisites: None
Instructor: Kay

[ENGC08Y] Studies in Twentieth Century Literature
Course not offered in 1972-73. A study of four of the following writers: Yeats, Eliot, Lawrence, Hemingway, W. C. Williams.

Prerequisites: Two previous courses in English, one of which must be a B-level.
Corequisites: None
Instructor: Kirkham
Course Not offered in 1972-73. A reading of Paradise Lost as part of Tudor and Stuart Literature of Divinity. The course may include early Protestant polemics, Elizabethan recusant writings, political verse and pamphlets, drama of revenge, dissent and civil discord, and other works that may be considered to treat of the phenomenon of revolution and disobedience. Paradise Lost will be discussed in terms of the aesthetic, dramatic and rhetorical implications of Milton's chosen subject matter.
Prerequisites: None

Instructor: Patenall

Joseph Conrad and the Modern Novel
Course Not offered in 1972-73. A study of Conrad's influence on three novelists who have acknowledged his importance for their own work: Fitzgerald, Faulkner and Mann. It will involve a reading of Conrad's major novels, focusing on narrative techniques (e.g., use of multiple narrators with distinctive verbal styles) as they relate to the meaning of these novels; and an examination of one or two novels by each of Fitzgerald, Faulkner and Mann to see how they adapted Conradian techniques to deal with similar thematic concerns. Tentative reading list: Conrad, Heart of Darkness, Lord Jim, Nostromo, The Secret Agent, Under Western Eyes, Chance, Victory; Fitzgerald, The Great Gatsby; Faulkner, Absalom, Absalom; Mann, Doctor Faustus; further texts to be chosen.
Prerequisites: ENGB14 or ENGB16

Instructor: Thomas

Students should also consult listings under:
CLAB09 Greek and Roman Comedy
DRA001 Drama Seminar and Workshop
GERB17 The German Novel from Goethe to Grass
HUMB01 Emergence of Modern Prose
HUMB02 Guilt and Conscience in Post-World War II Literature
HUMB05 Fantasy in Narnia and Middle Earth
HUMB09 Introduction to Cinema
HUMB11 The Art of Satire
HUMB15 19th Century Poetry: Aesthetics
HUMC09 Lyric Poetry of the Middle Ages in the Mediterranean Area
ITAB33 Aspects of Italian Thought in the 15th and 16th Centuries
LINA02 General Linguistics I
PHLB06 Philosophy in Literature: Images of the Self
RUSB11 19th Century Russian Literature
RUSB12 Russian Drama
RUSB21 20th Century Russian Literature

Fine Art
Courses in Fine Art are divided into two basic areas: Art History and Studio. The student, whether Studio or History oriented must refer constantly to the aesthetic experience; the student as art historian and the student as practising artist differ in the emphasis they place on particular aspects of art; in both cases he needs contact with works of art (and as a consequence, many courses in Fine Art require viewing museums, exhibitions and major galleries).

It is recommended that the study of art be integrated with other disciplines such as History, Philosophy (e.g. Aesthetics), Psychology (e.g. Perception), Literature and the Performing Arts. All interdisciplinary courses involving such studies, and especially the ones focusing on cultural milieu, will be helpful.

Art History entails a study of Architecture, Sculpture, Painting and Minor arts in Europe and North America. Field of study are: Ancient (classical); Medieval: Early Christian; Byzantine, Romanesque and Gothic (IV-XIV Century);
Renaissance and Baroque (1400-1750); Modern (1750 to present). Levels of study are (a) introductory, and (b) concentration, in Art History; (a) introductory and (b) specialised, in Studio. Students requiring more information on Studio courses should contact the instructor.

**FARA03Y** Introduction to the Visual Arts

3L/1W/1F/10

[MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS FARA01 AND FARA02.] This course will focus on a certain number of important monuments, artists and trends of Western art from Ancient Greece to Impressionism, seen in chronological sequence. It will at the same time provide some basic indication of methods and ways to analyze the work of art, starting with Wolfflin. The course has to be integrated with a survey for which the student will be held responsible.

Prerequisites: None

Instructor: Scavizzi

**FARB02F** Gothic Art

Course not offered in 1972-73. The art and architecture of the years 1150 to 1420 in Western Europe will be studied to show its genesis, development, and diffusion, and its position as a mirror of mediaeval culture.

Prerequisites: FARA01 or FARA03

Corequisites: None

**FARB03F** Renaissance Art

Course not offered in 1972-73. The architecture, sculpture and painting of the Renaissance in Europe (ca. 1400-1600) with primary emphasis on Italy.

Prerequisites: FARA02 or FARA03

Corequisites: None

**FARB04S** Baroque Art

Course not offered in 1972-73. Art and architecture in Europe (ca. 1600-1700).

Prerequisites: FARA02 or FARA03

Corequisites: None

**FARB10Y** Introductory Workshop in Colour and Design

3L/1W/1E, 3P+W7-10E

Projects are designed to acquaint the student with fundamental principles of the visual arts. Limited enrolment – 20.

Prerequisites: None

Corequisites: A course in the History of Art or PHLB57 or P5YBS1

Instructors: Amenta; Andrews

**FARB11Y** Intermediate Workshop and Seminar in Colour and Design

2L+W11F2, 4P+M1-5

Projects in various media are to be determined in consultation with
Full Course the instructor. The student is expected to establish areas of interest and to plan a course of study-research under the guidance of his advisor(s). Limited enrollment – 20.
Prerequisites: FAR B10
Corequisites: None
Instructors: Amenza; Andrews

FARB12Y Advanced Workshop and Seminar in the Visual Arts
2L-T12F10,4P-W1-5
The student is expected to select one area of concentration and to plan his research activities for the year under the guidance of his advisor(s). Limited enrollment – 20.
Prerequisites: FAR B11
Corequisites: None
Instructors: Amenza; Andrews

FARB13F Art of First Half of the 19th Century
2L-M2F4
Term Half Course
This course deals with the art of the period between the French Revolution of 1789 and the revolution of 1848. The arts will be considered against the social and cultural background of Europe with special emphasis on the impact of the social changes caused by the two revolutions.
Prerequisites: FAR A01 or FAR A03 or FAR B02
Corequisites: None
Instructor: Siebelhoff

FARB14S Art of Second Half of the 19th Century
2L-M2F4
Term Half Course
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.
Prerequisites: FAR A01 or FAR A03 or FAR B02
Corequisites: None
Instructor: Siebelhoff

FARB15F Venetian Renaissance
2L-M1R9
Term Half Course
A survey of the mature phase of the Renaissance in Venice: painting and sculpture by Montagna, the Bellinis, the Lombardin, Antonellosda Messina, Crivelli, Giorgione and Titian (until 1518). The study will consider the particular position of the Venetian Renaissance in comparison to both Florence and the North, and its relationship to the humanistic trends of Padua and Venice.
Prerequisites or Corequisites: FAR A01 or FAR A02 or FAR A03
Instructor: Scarinci

FARB16S Mannerism in Venice
2L-M1R9
Term Half Course
The late Renaissance in Venice: Titian after 1518, Lotto, Tintoretto, Bassano and J. Samovino. The course will deal mostly with the

Half Course manneristic aspects of XVI century art; but will consider also, in contrast, the more classical trends represented by Palladio in architecture, A. Vittoria in sculpture, Veronese in painting.
Prerequisites or Corequisites: FAR A01 or FAR A02 or FAR A03
Instructor: Scarinci

FARB17Y Baroque Painting in the Netherlands
2L-T1F10
The course considers the Golden Age of Netherlandish Painting with such major artists as Rubens, Rembrandt, Fram-Hals, Van Dyck and Jan Vermeer. Considerable emphasis will be placed on the social and historical background which made this surprising development possible.
Prerequisites: None
Corequisites: None
Instructor: Siebelhoff

FARB18S French Rococo
Course not offered in 1972-73. An intensive study of the painting of Court Watteau, Boucher, Chardin, and Fragonard.
Prerequisites: FAR A02 or FAR A03
Corequisites: None

FARB20Y Canadian Art
2L-M4F1
Term Half Course
A survey of Canadian Art from its origins to the present day. However, the emphasis will be on the nineteenth and twentieth centuries. The students should see as many of the original works of art, architecture, furniture, etc. as is possible, therefore, we will make trips to the Art Gallery, R.O.M., Klondyke, very likely to the National Gallery in Ottawa, and hopefully to Montreal and Quebec City.
Prerequisites: None
Corequisites: None
Instructor: Siebelhoff

FARB22F Early Christian Art
2L-M2R3
Term Half Course
The catacombs in Rome and elsewhere. Architecture, sculpture, and painting in Rome from III to VI century in relationship to late classical art and rising Christian symbolism and content. Milan and Ravenna; Monuments from IV to VI century with special emphasis on the mosaics of Ravenna ca. 450-550. A glimpse of the minor arts (illuminations and ivories) and the rise of Byzantine art.
Prerequisite or Corequisite: FAR A01 or FAR A02 or FAR A03
Instructor: Scarinci

FARB23S Art and Culture in 5th Century Greece
Course not offered in 1972-73. An exploration of the culture of classical Greece through its architecture, sculpture, and vase painting.
Prerequisites: None
Corequisites: None
French

Our basic course, FREA01, assuming satisfactory completion of Grade 13 French or equivalent, is devoted to consolidating the previous experience of students reading, writing and speaking French, while acquainting them with the range of advanced studies open to them in university and providing some significant experience in various areas, such as language, literature and civilization. This basic course will include intensive language practice, and much of this will involve carefully planned work in the language laboratory. Supplementary to the basic course, one literature course devoted to French literature of the nineteenth and twentieth century will be offered. In these courses the student will be introduced to the intensive study of vital works of literature and made aware of various critical approaches. Finally, one series of courses will be available designed for students who would like to continue their reading of French without studying the subject intensively.

More advanced courses in French will normally embrace a choice of up to four courses from the following groups: (1) the main trends of French and French-Canadian literature; (2) various genres - poetry, theatre, and the novel - in various periods; (3) advanced language; and (4) language practice courses.

From such a wealth of courses students of widely differing tastes and needs may select satisfying programmes.


Full Course

Prerequisites: Grade 13 French
Corequisites: None

FREA02Y Studies in Modern French Literature 1L-T12/T12/R12

Full Course

Prerequisites: Grade 13 French
Corequisites: FREA01
Instructors: Bancroft; Curtis

FREA11F Man and Society in French Fiction 2L-WRF10

Term Half-Course

For students who do not intend to devote a large part of their studies to French language and/or literature. A study of sociological problems as reflected in selected works of twentieth century French fiction. Classes conducted in English.
Prerequisites: FREA01
Corequisites: None
Instructor: Curtis
FREB29S French Drama of the 18th Century 2L:WF3
Term: Half-
Course:  
[MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS FREB29Y] A study of dramatic styles and techniques through reading of representative plays of the period. Emphasis is on theories and ideas of the theatre, their evolution and their practical application. Students specializing in French language or literature who select this course are urged to consider taking FREB28 as a companion course.
Prerequisites: FREA01
Corequisites: None
Instructor: Curtis
FREB30Y French Drama from 1800 2L: M12F1
Term: Full-
Course:  
[MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS FREB08] This course is primarily intended to provide a means of understanding various dramatic styles and techniques through a study of representative French plays of the 19th and 20th centuries.
Prerequisites: FREA01
Corequisites: None
Instructor: Jennings
FREB32F The Writer and 19th Century Society 2L: W1-3
Term: Half-
Course:  
[MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS FREB10 AND FREB32Y] A study of such major writers as Balzac, Stendhal, Flaubert, and Zola. Texts analyzed will explore such themes as the individual in society, class struggle, ambition and alienation. Students who select this course are strongly urged to take FREB31 as a companion course.
Prerequisites: FREA01
Corequisites: None
Instructor: Bancroft
FREB33Y Readings in 19th Century French Fiction 2L: W1-3
Term: Half-
Course:  
[MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS FREB10 AND FREB32Y] Students specializing in French language or literature who select this course are strongly urged to take FREB32 as a companion course.
Prerequisites: FREA01
Corequisites: None
Instructor: Bancroft
FREB34F Ideas in 20th Century French Fiction 2L: T2R3
Term: Half-
Course:  
[MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS FREB12 AND FREB34Y] Special emphasis will be given to the social, political and philosophical ideas of such writers as Camus, Sartre, Malraux and Bernanos. Students specializing in French language or literature who select this course are strongly urged to take FREB35 as a companion course.
Prerequisites: FREA01
Corequisites: None
Instructor: Mittler
FREB35S Readings in 20th Century French Fiction 2L: T2R3
Term: Half-
Course:  
[MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS FREB12 OR FREB34Y] Special emphasis accorded to those writers concerned with aesthetic and psychological problems. Texts will include works by Proust, Gide, Colette and Buto. Students specializing in French language or literature who select this course are strongly urged to take FREB34 as a companion course.
Prerequisites: FREA01
Corequisites: None
Instructor: Mignault
FREB36F French-Canadian Literature to 1945 2L: T2R3
Term: Half-
Course:  
Course not offered in 1972-73. [MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS FREB16] A study of selected poetry and novels from the mid-19th century to the end of the Second World War. Emphasis is on the historical, sociological and aesthetic points of view.
Prerequisites: FREA01
Corequisites: None
FREB37S French-Canadian Literature since 1945 2L: T2R3
Term: Half-
Course:  
Course not offered in 1972-73. [MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS FREB16] A study of the poetry, novels and drama of Quebec in the contemporary period. Emphasis is on the sociological and aesthetic aspects of this literature.
Prerequisites: FREA01
Corequisites: None
FREB40F The Playwrights of the Golden Age: Corneille, Molière, Racine 2L: T2R3
Term: Half-
Course:  
Course not offered in 1972-73. [MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS FREB02 OR FREB22] An intensive study of the three major playwrights of the seventeenth century.
Prerequisites: FREA01
Corequisites: None
FREB41S The Poetry and Prose of the Golden Age 2L: T2R3
Term: Half-
Course:  
Course not offered in 1972-73. [MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS FREB02 OR FREB22] A study of major writers of seventeenth century literature, except drama: Poetry, the novel, the discourse, the essay, the maxims and letter. Principal authors: Malherbe, Descartes, Pascal, La Fontaine, La
Bruyère, La Rochefocauld, Mme de la Fayette and Mme de Sévigné. Students specializing in French language and literature who select this course are strongly urged to take FREN 40 as a companion course.

**Prerequisites:** FREN 40
**Corequisites:** None
**Instructor:** Kirkeby

**FREN 427**
**General History of the French Language**
**Term:** Fall
**Course:** 2L: WF12

Topics will be chosen for study from the general history of French, from its origins in Latin to the present, including reference to social and regional variations of the standard language as well as the influence of other languages on its development. Students specializing in French language or literature who select this course are strongly urged to take FREN 42 as a companion course.

**Prerequisites:** FREN 40
**Corequisites:** None
**Instructor:** Kirkeby

**FREN 435**
**The French Language in Canada**
**Term:** Fall
**Course:** 2L: WF12

Attention will be given primarily to the expansion of French abroad, special emphasis being laid on the language in North America, particularly Canada. Students specializing in French language or literature who select this course are strongly urged to take FREN 42 as a companion course.

**Prerequisites:** FREN 40
**Corequisites:** None
**Instructor:** Kirkeby

**FREN 444**
**The Intellectual Explosion: The French “Philosophes” in the Age of Enlightenment**
**Term:** Fall
**Course:** 2L: R7:9E

A study of the principal trends in French philosophical thought in the eighteenth century, through an analysis of the most significant works of Montesquieu, Voltaire, Diderot, Rousseau and others. Emphasis is on the appreciation of ideas as they are reflected in the literature of the age. Students specializing in French language or literature who select this course are strongly urged to take FREN 45 as a companion course.

**Prerequisites:** FREN 40
**Corequisites:** None
**Instructor:** Kirkeby

**FREN 455**
**French Literature in the Age of Enlightenment**
**Term:** Fall
**Course:** 2L: R7:9E

A study of the literary qualities of works that, in the past, have been examined more for their intellectual content than for their artistic merit. The major genres: drama, novel, poetry, will be represented through study of authors such as Montesquieu, Voltaire, Diderot, Rousseau, Marivaux, Beaumarchais, Prévost and others. Students specializing in French language or literature who select this course are strongly advised to take FREN 44 as a companion course.

**Prerequisites:** FREN 40
**Corequisites:** None
**Instructor:** Moes

**FREN 491Y**
**Language Practice**
**Term:** Fall
**Course:** 3L: MWF10/MWF11, IP: R3

This course is a continuation of FREN 21 and is designed to advance the student’s competence in written and spoken French. 

**Prerequisites:** FREN 21 or FREN 40
**Corequisites:** None
**Instructor:** Jennings; Mignault

**FREN 492F**
**Directed Reading Courses**

*ARRANGE WITH INSTRUCTOR*

Students who have completed at least one B-level course in French and who wish to do further work in a specialized area of literature or linguistics may enter a directed reading programme, under the consent of the instructor in whose area of specialization they wish to work. Interested students should consult the Assistant to Chairman for French.

**Prerequisites:** At least one B-level course in French; permission of instructor.

**Corequisites:** None
**Instructor:** Members of the faculty

**FREN 493**
**Directed Reading Course**

The same as FREN 492.

**Prerequisites:** At least one B-level course in French; permission of instructor.

**Corequisites:** None
**Instructor:** Members of the faculty

Students should also consult listing under:

**PHIL 690**
**Philosophy in Literature**

**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 number of courses offered in Geography at Scarborough College is expanding as the College grows. In 1972-73, for the first time, it will be possible for students to take all of the courses required for specialization in Geography on the Scarborough campus. Students who are interested in specializing in Geography should confer with the Geography faculty at Scarborough College and should also look at the current St. George campus calendar to evaluate the wide range of Geography courses offered on that campus.

Students interested in majoring in the subject are advised to include the full range of introductory Geography courses and GGRA02 in their programme.

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 06 and 07 and 08 and 09 are scheduled at the same time.

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 new 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.

GGRA035 Introduction to Geography: Geographic Methods I: Cartographic and Field Methods
Term: 2LT11 T11/R11
Maps and field work are integral parts of almost all geographical work. This course illustrates the fundamental importance of maps and field work in teaching, research and many aspects of everyday life. One of the basic aims of the course is to provide students with an introduction to the compilation, construction, interpretation and use of a variety of maps. The course introduces some of the simpler basic field work techniques frequently used by geographers.
Prerequisites: None
Corequisites: None
Instructor: Sparrow

GGRA06F Introduction to Geography: Environmental Analysis
Term: 2LT11-2T (every second week)/W10-12/W2-4
[MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS GGRA02] Studies of the environment of man following the philosophical traditions of Geography and allied Physical Sciences. The approach is analytical and conceptual aimed towards measured predictive capabilities. Subjects include spatial and temporal orientation to landscape phenomena, measurement, scale and co-ordinate representation, atmospheric, biotic, and soils systems, resource identification and analysis, and environmental hazards with particular attention to environmental pollution.
Prerequisites: None
Corequisites: None
Instructor: Francis

GGRA07S Introduction to Geography: The Surface of the Earth
Term: 2LT11-1T (every second week)/W10-12/W2-4
[MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS GGRA02] An introductory survey of the principles of Physical Geology and Physical Geography involved in the evaluation of man's changing physical environment. Included is a brief review of earth materials, the rock cycle, subsurface and surface processes, climatic controls on erosion and current theories on the origin and development of the lithosphere and biosphere. Emphasis will be placed on surface morphology and the process-response relationships existing between the denudational agents and the earth materials.
Prerequisites: None
Corequisites: None - a background in Science would be helpful but not essential
Instructor: Greenwood

GGRA08F Introduction to Geography: Regional Analysis
Term: 2LT11 L/W1F12/M7-9E
[MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS GGRA01] An introduction to the concepts, methods and practices of regional study in Geography. Theoretical regionalism in Geography, administrative regionalism and literary regionalism; the region as a concept, from "natural regions" to regional science; regional description and analysis. The course includes a field excursion and the preparation of a report on a selected region in eastern Ontario.
Prerequisites: None
Corequisites: None
Instructor: Cave

GGRA09S Introduction to Geography: Spatial Analysis
Term: 2LT11 L/W1F12/M7-9E
[MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS GGRA01] 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.
Prerequisites: None
Corequisites: None
Instructor: Hewings
GGRB01Y Geography of Resources 2L.MR11/W7-9E,2T.W9-11/W3-5/W9E
Problems of resource use with particular reference to their environmental setting. The course has four main sections: (1) definition and classification of resources, (2) special problems relating to agricultural resources, (3) specific aspects of the use of non-agricultural resources, and finally (4) an examination of the use/misuse and abuse of resources.
Prerequisites: GGRA01 or GGRA02, or GGRA06; GGRA07 or GGRA08; GGRA09
Corequisites: None
Instructor: Tayyeb

GGRB02Y Geographical Methods II: Analytical and Quantitative Methods 2L.T6-8E,2P.T8-10E
Identification of geographic problems and the selection of data; tests of simple hypotheses; correlation and regression; regionalization and allocation problems. During the laboratory sessions, instruction in elementary computer programming will be provided although interaction with the computer will be principally through the use of previously written programmes.
Prerequisites: Two A-level courses in Geography
Corequisites: None
Instructor: Hewings

GGRB03Y Climatology 2L.T3R2/R7-9E,1T.T1/T2/R9E
The course investigates the main aspects of Physical Climatology and introduces the student to the dynamics of the earth's atmosphere. The second half of the course concentrates on Applied Climatology and deals with topics such as atmospheric pollution and urban climates. The tutorial work includes practical work with simple climatic instruments and enables students to supplement material covered in the lecture schedule.
Prerequisites: GGRA02, or GGRA06; GGRA07
Corequisites: None
Instructor: Sparrow

GGRB05Y Urban Geography 2L.W10-2T-F2-4
An introductory course focusing on the characteristics and major problems of Canadian cities. The course is organized in three main sections: urban theory, the development of Canadian cities and urban problems. Topics discussed 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.
Prerequisites: GGRA01, or GGRA08; GGRA09
Corequisites: None
Instructor: Cave

GGRB06Y The Geography of Economic Activities 2L.TR10/T7-9E,2T.T11-1/W1-3/T9E
An introduction to the Geography of world economic activities, including an examination of: the geographical variation in the level of economic development, the inter-relationship of consumption, production and exchange, the process of agricultural and industrial production, economic and location theory, transportation, the growth of service industries, and problems of economic development.
Prerequisites: GGRA01, or GGRA08; GGRA09
Corequisites: None
Instructor: Bence

GGRB07Y Geomorphology 2L.W2-4,2P.W4-6
A detailed examination of the processes contributing to the continuing modification of the earth's surface features. The course is centred around the theme 'Morphology and Process' and attempts to evaluate the landscape changes which have taken place 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. The student will be involved in field trips during the fall term which will supplement lecture and laboratory work. Limited enrolment — 25.
Prerequisites: GGRA07 or GGRA02
Corequisites: None. GGRB03 and GGRB02 are strongly recommended as some background in the scientific approach is necessary.
Instructor: Greenwood

GGRB08Y The Geography of Underdeveloped Areas 4L.W1-1F9-11
An examination of the definition, nature, performance and problems of underdeveloped areas. It involves a discussion of underdevelopment as a phenomenon, a condition and a process and their expression as geographically distinct realities. The course involves considerable reading and constant participation by the student through discussions and seminars. A background in Economics would be useful.
Prerequisites: GGRA01, or GGRA08; GGRA09
Corequisites: None. Students are recommended to have completed GGRB02
Instructor: Tayyeb

[GGRB09Y Special Topics] Full Course not offered in 1972-73.
Instructor: Members of the faculty

GGRCO1Y Supervised Research *ARRANGE WITH INSTRUCTOR
Students will be required to complete a dissertation and discuss it with an examining committee. The topic for the research project
Course

should be selected by the end of the third year of study and must be approved by a staff supervisor. Students should start work on the project during the summer preceding their fourth year, and complete most or all of their field work during this period.

Prerequisites: Any fifteen courses. By the end of the student’s fourth year, at least eight courses in Geography (not including GGR01) must have been completed.

Corequisites: None

Instructor: Members of the faculty

GGRC02Y

Rural Land Use 2L-M11-1

Full Course

The course sets out to examine the major aspects of rural land use, firstly on the global scale, and secondly in the context of Ontario. The nature of agricultural and rural community systems of various parts of the world will be comparatively studied against both a theoretical and empirical background. At the provincial level rural settlement and land use in Ontario will be discussed, both in terms of historical development and of contemporary problems facing agriculture and rural development. Reading and seminar discussion will form the basis of the course. Limited enrolment – 20.

Prerequisites: GGRB06

Corequisites: None. Students are strongly recommended to have completed GGRB02

Instructor: Bance

GGRC03S

Regional Industrial Analysis and Development 4T-M9-11W9-11

Term Half Course

An examination of regional development from both theoretical and empirical standpoints. The first part of the course will consist of a presentation of alternative frameworks for analysis: regional balance of payments; economic base; shift and share; regional and interregional input-output; dynamic and static aggregate models. In the second part, an evaluation will be made of the public policy issues - the application and utility of growth pole theory, equity-efficiency trade-offs, balanced-imbanced growth, quality-quantity issues - in the light of recent experience in Canada, the U.S.A. and Western Europe. Limited enrolment – 20.

Prerequisites: Two B-level courses in Economics or Geography

Corequisites: None

Instructor: Hewings

GGRC04S

Urbanization in Ontario 3T-M4-17E

Term Half Course

An advanced discussion course dealing with the effects of urbanization on the southern Ontario landscape under the following headings: the history of urbanization in Southern Ontario; the urban development process; Ontario townscape; urbanization of the rural landscape. Discussions will focus mainly on case studies of selected topics such as: "project-building" in the city; images of city form; speculation and the urban shadow; conflicts in Niagara; the Ontario lakeshore; ex-urban living; small-towns and central places in Ontario;
idle land and speculation; cottages and recreation. Limited enrolment — 20.
Prerequisites: GGRB05
Corequisites: None
Instructor: Cave

[GGRC095F] Theory and Method in Modern Quantitative Geomorphology
Term Half Course
Course not offered in 1972-73. This advanced course examines theoretical models of landscape evolution in relation to recent experimental and field studies on geomorphological processes. The course will involve seminar and project work rather than lectures, and students will be expected to undertake considerable reading assignments.
Prerequisites: GGRB07
Corequisites: None
Instructor: Greenwood

[GGRC095S] Biogeography
Term Half Course
Course not offered in 1972-73. Selected aspects of plant and animal Geography will be discussed in this course which will involve both lectures and seminars. Fundamental concepts in Biogeography and Ecology will be considered in relation to the specific processes affecting plant and animal distributions.
Prerequisites: GGRA06; GGRA07 or GGRA02; GGRB03; at least 2 other B-level Geography courses
Corequisites: None
Instructor: Sparrow

GGRC07Y Advanced Readings in Selected Fields of Geography
Full Course
*ARRANGE WITH INSTRUCTOR
Advanced reading and study courses with a programme to be planned in consultation between students and instructors.
Prerequisites: At least 3 B-level Geography courses; permission of instructor
Corequisites: None
Instructor: Members of the faculty

GGRC08F Field Problems in Geography
2L R12-2
Term Half Course
Professional procedures in the design and execution of field research in Geography. This course is directed to meet the requirements of students expecting to undertake professional work in Geography or related fields. A variety of technical procedures are presented and a number of problems assigned which are orientated to the particular requirements of the participants. Limited enrolment — 20.
Prerequisites: At least 2 B-level Geography courses
Corequisites: None
Instructor: Francis

GGRC09S Canada North of Sixty
2L R12-2
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.
Prerequisites: At least 2 B-level Geography courses
Corequisites: None
Instructor: Francis

[GGRC10S] Location Theory
Term Half Course
Course not offered in 1972-73. Industrial location theory of individual and sets of activities under various spatial market environments, especially duopoly, oligopoly and imperfect competition. The course will begin with an appraisal of traditional Weberian theory and proceed through the works of Lösch and Hard to consider the more recent theories of Greenhut, Moses, Churchill, Scott and others.
Prerequisites: Two B-level courses in Economics or Geography
Corequisites: None
Instructor: Hewings

[GGRC11S] Quantitative Methods in Economic Geography
Term Half Course
Course not offered in 1972-73. This seminar will build and expand upon the methodology introduced in GGRB02. Students will assume considerable responsibility for the choice of material to be discussed. Some possible topics could include matrix methods in the study of interindustry structure and population movements; diffusion models, network analysis and markovian models.
Prerequisites: GGRB02 or similar background in Statistics and Methods
Corequisites: None
Instructor: Hewings

GGRC12S Contemporary Issues in the Philosophy of Geography
2T R4-6
Term Half Course
A seminar course for advanced students providing an opportunity for discussion and review of some of the major philosophical and methodological issues in contemporary Geography. Topics will include: the dualism of Physical and Human Geography; objectivity in Geography; model-building in Geography; Geography as a discipline or a methodology; problem-solving as a research strategy; scientific and social responsibility in Geography. Directed reading. Limited enrolment — 20.
Prerequisites: Any fifteen courses. By the end of the student's fourth year, at least eight courses in Geography (not including GGRC12) must have been completed
Corequisites: None. Students are recommended to include Geography 320F Philosophy of Geography: History of
German

The courses in German offer a thorough study of the language and of the important authors of Germany, Austria, and part of Switzerland. Language study includes phonetics and laboratory work, oral expression, translation, and essay writing. Students intending to specialize in German have to complete successfully six upper level year courses on the equivalent number of half courses with us plus one year course in Middle High German (GER322) at the St. George campus.

In order to maintain continuity in the development of language skills, the programme is so designed that students will take a language course during each year of study.

All third year students are required to take GER304. From among the many possible combinations of courses, the following programme of study has been compiled which is recommended to future specialists with Grade 13 standing:

First Year:  
First Term: GER100  
Second Term: GER100

Second Year:  
First Term: GER204; GER201; GER202 or GER216  
Second Term: GER204; GER215 or GER203

Third Year:  
First Term: GER304; GER306 or GER302; GER312 or GER311; GER302  
Second Term: GER304; GER303 or GER315; GER312 or GER311

Fourth Year:  
First Term: GER322; GER311 or GER312  
Second Term: GER322; GER311 or GER312; GER303

GER10Y Elementary German
A course in the fundamentals of grammar and syntax.

Full Prerequisites: None
Course Corequisites: None

GER11Y Intermediate German
(MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS GER101) Intensive language work focusing on oral and written composition, close reading of modern texts.

Prerequisites: Grade 13 or GER101 or equivalent
Course Corequisites: None

GER201F German Literature before 1775
The course is designed to provide the student with a background in German literary history, so that he will be better equipped to understand the development from the middle of the 18th century onward.

Prerequisites: GER101 or GER11

GERB02F 20th Century Prose
A study of essays, novels, short stories, and novellas by such authors as Mann, Mann, Kafka, Brecht, Böll, Grass.

Instructor: Wittman
Course Corequisites: GERB04

GERB03S 20th Century Drama and Poetry
The course will deal with plays by Wedekind, representative playwrights of Expressionism, Brecht, Frisch, Dürenmatt, younger German writers such as Hochhuth, Kipphardt, Weiss. The poetry will be selected from the works of Rilke, George, Hoffmannsthal; the Expressionists: Heym, Frakt, Benn, Lasker-Schüler; Kaschnitz, Celan, Enzensberger.

Prerequisites: GER101 or GER11
Course Corequisites: GERB04

GERB04H Advanced Conservation and Composition
A continuation of the language work done in GERAD1 on a higher level.

Prerequisites: GER101 or GER11
Course Corequisites: Any one of: GERB01, GERB02, GERB03, GERB15, GERB16, GERB17

GERB105 Introductory Seminar on German Literature
The aim of this course is twofold. First to introduce the student to the techniques of literary analysis and second to familiarize him with a number of representative texts selected from German literature of the 18th, 19th and 20th centuries. In order to minimize the problems of basic linguistic comprehension and to facilitate class discussion, the texts chosen will in all cases be short.

Prerequisites: Grade 13 or GER101 or equivalent
Course Corequisites: GER11

GERB11V Classical
Course not offered in 1972-73. The classical works of Schiller and Goethe will be at the core of this course. At the same time, literary critical and cultural critical writings by such men as Winklemann and Herder will be discussed along with essays and the exchange of letters by Schiller and Goethe.

Prerequisites: GER101 or GER11
Course Corequisites: GERB04

GERB12Y Literature of "Sturm und Drang" and Romanticism
The early dramatic and poetic writings of Goethe and Schiller, e.g. Götter dienen als Berichterstattung und die Räuber, will be studied along with works by authors such as Less, Klinger, et al. The themes and forms first emerging in the Sturm und Drang will be shown to find renewed and somewhat altered expressions in the critical deliberations of the
Schlegel brothers and their friends, as well as in the poetry and prose of such writers as Novalis, Tieck, Brentano, and Eichendorff. Prerequisites: GER001 or GER111. Corequisites: GERB04.

GERB155 19th Century Prose 3L:MW12F2 The course will be concerned with the novels and novels by authors such as Storm, Doste-Huboff, E.T.A. Hoffmann, Keller, Fontane, Hauptmann, et al. Prerequisites: GER001 or GER111. Corequisites: GERB04.

GERB165 19th Century Drama and Poetry 3L:MW12F2 The development of drama from Büchner to Hauptmann. The discussion of plays by these authors and by Grabbe, Grillparzer, and Hebbel will show different tendencies evolving at this time, often summarily referred to as dramatic theatre versus epic theatre. The poems will be selected from the late Romanticists, some of the above mentioned authors, Heine, Mörike, et al. Prerequisites: GER001 or GER111. Corequisites: GERB04.

GERB17Y The German Novel from Goethe to Grass (Texts in English Translation) 2L:W7:9E Readings, analysis and discussions of major novels by Goethe, Stifter, Keller, Th. Mann, Hesse, Musil, Grass, et al. (This course does not count towards fulfillment of specialist requirement at the St. George Campus.) Prerequisites: None. Corequisites: None.

GERC02F Seminars on Special Topics *ARRANGE WITH INSTRUCTOR 2L:W11R3 The contents of these seminars will be agreed upon by the professor and the student(s) involved. The topics, generally speaking, will be more specialized than in any of the other courses, the work more intensive. Prerequisites: GER001 or GER111; GERB04. Corequisites: None.

GERC03S Seminars on Special Topics *ARRANGE WITH INSTRUCTOR 2L:W11R3 The same as GERC02F. Corequisites: GER001 or GER111; GERB04. Corequisites: None.

GERC04Y Studies 2L:W11R3 Building on the more general language work done in GER001 and GERB04, this course will be concerned with the finer points of expository and creative writing and close text analysis. Prerequisites: GER001 or GER111; GERB04. Corequisites: GERB02; GERB03; GERB15; GERB16; GERB12; GERB11.

HUMB01 Emergence of Modern Prose

HUMB02 Guilt and Conscience in Post-World War II Literature

History

History is a humantistic discipline which contributes to a fuller understanding of the present by the examination of the activities of men and societies in the past. It is also related to the Social Sciences, whose findings depend on precise evaluation of evidence. The study of History, therefore, can play a part in a large number of interdisciplinary programmes.

The History programme combines a variety of approaches and teaching methods in order to satisfy a number of purposes. Comprehensive courses (HISA01-HISA09) both provide a complete general foundation in their areas and serve as preparation for more detailed studies. The instructor offers by means of lectures and tutorials the opportunities for informed discussion of major issues with a broad historical field. In advanced courses (HISB01-HISB09) students investigate more defined areas or periods or a specific problem in depth. C-series seminars require the students to make close and thorough studies of primary sources and other available evidence and present their findings in discussions and a major paper. C-series courses are limited in size because of their nature.

Students are strongly advised to enrol in HISA01 early in their academic programmes and to enrol in no more than two C-series courses or their equivalent in any one academic year. Students who wish to follow a programme or to qualify for graduate study in History should consult with members of the faculty as early as possible in order to establish coherence in their studies. They are advised to complete during four years, at least nine full year History courses or their equivalent, including HISA01 and five advanced courses. They should avoid excessive specialization in one area of History. Courses in Greek and Roman History are listed elsewhere in this Calendar.

HISAO1Y The European World: An Introduction to History 2L, 1T: L:3J9R7:7:9E Full Course This course will examine major trends in politics, economy, society and thought. Reading will be from selected primary and secondary sources. This course serves as a prerequisite to advanced courses in European history. Prerequisites: None. Corequisites: None. Instructors: Ecksten; Perl.

HISB01Y Britain 1485-1960; from Medieval Kingdom to Welfare State 2L, 1T: L:9:9E, 1T:9:9E The first term will be devoted to the study of politics, the constitution, religion and society from the early Tudors to the turn of the French Revolution. The aim will be to define the processes by which late medieval institutions and society were gradually transformed in the light of changing circumstances. In the second term,
surveying Victorian and Twentieth Century Britain, the course will
centre on such topics as the industrial revolution and the problems
of industrial society, the emergence of parliamentary democracy, the
growth of empire, the rise of the labour movement, and the
development of the welfare state.
Prerequisites: None
Corequisites: None
Instructor: Hayes

HISB03Y History of the United States 2L, IT L TT4R1
Full Course
Prerequisites: None
Corequisites: None
Instructor: Sherry; Dick

HISB05F Canadian History to 1867 2L, IT L TT4R4/M7-9E
Term
Half Course
Prerequisites: None
Corequisites: None
Instructor: Moot

HISB06S Canadian History Since Confederation 2L, IT L TT4R4/M7-9E
Term
Half Course
Prerequisites: None
Corequisites: None
Instructor: Robertson

HISB13Y European Urban History 2T, T11-1/R11-1
Full Course
Prerequisites: HIS A01
Corequisites: None
Instructor: Perl

HISB15Y Socialism in Theory & Practice 2L, T5R4
Full Course
Prerequisites: HIS A13, PHL B15 or PHIL B52
An interdisciplinary study of the great socialist thinkers: the social and philosophical background to
their ideas and how they influenced the working class movements of
different countries up to World War I.

Prerequisites: HIS A01; a course in Philosophy is recommended
Corequisites: None
Instructor: Graham; Dick
HISB17Y Germany in the 19th and 20th Centuries 1L, W4, T3/T4
Full Course
Prerequisites: HIS A01
Corequisites: None
Instructor: Kosters

HISB21F Frontier Communities in the British Empire-Commonwealth
Course not offered in 1972-73. [MAY NOT BE TAKEN IN SAME
DEGREE PROGRAMME AS HIS B19] A comparative study of the
influence of frontiers on the development of new nations. Major
issues in the history of Australia, New Zealand and Southern Africa,
such as settlement, class structure, race relations, democracy and
nationalism, and relations with the metropolitan power, are consid-
Prerequisites: HIS B01
Corequisites: None

HISB22S British Imperialism in Asia and Africa
Course not offered in 1972-73. [MAY NOT BE TAKEN IN SAME
DEGREE PROGRAMME AS HIS B19] An examination of imper-
ialism in its impact on the non-European world. Major themes; the
motives behind British imperialism, the problems of administration,
the transfer of power, neo-colonialism.
Prerequisites: HIS B01
Corequisites: None

HISB27Y Europe 400-1100 2L, W2, T3/T10/R9
Full Course
Prerequisites: None
Corequisites: None
Instructor: Corbett

HISB31Y The South before the Civil War 2L, W1-3, T3/R9/R10/R2
Full Course
Prerequisites: None
Corequisites: None
Instructor: Corbett

In addition to the courses listed above, the student is encouraged to explore a variety of options in
the field of history. This includes the opportunity to pursue an Honors thesis, engage in research
projects, or participate in study abroad programs that offer a unique perspective on the
study of history.
HISC35Y
American Labour and Reform 2L: F9.11, T1-T11/T12
Full Course
A study of the personalities and institutions of American Labour and their relationship to reform movements from the beginnings of industrialization to the present. The course provides the opportunity to view the American past from a different perspective from standard histories.
Prerequisites: HSB03
Corequisites: None
Instructor: Shop

HISC41F
Old Huronia 2T: T10.12
Term Half Course
The political, social, religious and economic life of the Huron Indians at the time of European contact; the Christian missions to the Hurons; the effects of European contact on Indian life; the collapse of the Jesuit missions and the dispersal of the Hurons. Examination of these and related aspects of Huron history will be based on extensive use of primary source material.
Prerequisites: HSB05
Corequisites: None
Instructor: Dick

HISC42S
Church-State Relations in Canada 2T: T10.12
Term Half Course
A study based on primary source material of the connection of church and state in such areas as land endowment, education, legal establishment and social issues.
Prerequisites: HSB05
Corequisites: None
Instructor: Moir

HISC43Y
Ontario History, the 19th Century 2L: R7.9E, T1: R9E
Full Course
There is no exclusive theme—the land, transportation, religion, economics, social issues, political parties, will all enter the picture whenever they reach the level of political interest. Political parties, their origins and objectives, together with the system within which they operate, pioneers and immigrants with their ambitions, forces of international commerce and finance, cultural and religious developments which have had more than a passing influence on the life of the Province are ingredients in the History of the Province of Ontario.
Prerequisites: A previous course in Canadian History
Corequisites: None
Instructor: McKay

HISC45Y
Canadian Intellectual History 2T: W4.6
This seminar will focus upon the following themes in Canadian social and political thought: the intellectual assumptions apparent in contemporary discussion of Confederation; native Canadian imperialism; colonialism; authoritarianism; French-Canadian nationalism; the social role of religion; the rural myth; the impact of industrialization and urbanization; historiography; and the development of Canadian conservative, liberal, and socialist thought. The main sources will be the writings of journalists, clergymen, academics, labour activists, novelists, politicians, farmers’ spokesmen, historians, satirists, and royal commissioners.
Prerequisites: HSB03, HSB06
Corequisites: None
Instructor: Robertson

HISC01F
Advanced Reading Programme on Special Topics 2T: T10-12
*ARRANGE WITH INSTRUCTOR
Term Half Course
A reading and study course with a programme to be planned in consultation between student and instructor during the preceding academic year. The student will complete a research paper on which he will be given an oral examination by a committee of the faculty.
Prerequisites: At least one B-level History course; permission of instructor.
Corequisites: None
Instructor: Members of the faculty

HISC02S
Advanced Reading Programme on Special Topics 2T: T10-12
*ARRANGE WITH INSTRUCTOR
The same as HISC01.
Term Half Course
Prerequisites: At least one B-level History course; permission of instructor.
Corequisites: None
Instructor: Members of the faculty

HISC11Y
Western Europe in the 17th Century 2T: M11-1
Full Course
This seminar will examine numerous aspects of the civilization of the "Baroque Age". Emphasis in the first term will be on reading and discussion and in the second term on research projects.
Prerequisites: HSB01; one B-level History course.
Corequisites: None
Instructor: Pearl

HISC17Y
European Society and Culture between the World Wars 2T: R11-1
Full Course
Prerequisites: HSB01; one other B-level History course. A reading knowledge of one or more foreign languages, although not indispensable, would be very helpful.
Corequisites: None
Instructor: Eksteins
[HISC21Y] Urbanization and Social Change in the 19th Century England
Course not offered in 1972-73. A study of the new social environment created by the growth of cities in an industrial community.
Prerequisites: HISB01
Corequisites: None

[HISC22Y] Religion and English Society, 1750 - 1900
Course not offered in 1972-73. Major themes of religious history set within a systematic examination of secular society; the relationship between religion and class structure, the social policies of church and sects; the nature of revivalism and popular religion, the growth of unbelief.
Prerequisites: HISB01
Corequisites: None

[HISC33Y] Ideology, Culture and Society in America
Term: Fall
Course: 2/F1-3
Full
Prerequisites: [MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS HISB33] American social and intellectual history to 1860. An investigation of the ideas, institutions and social forces which have shaped the civilization of the United States, including racism, nationalism, immigration, religion, the frontier, urbanization, social discontent, political ideologies and economic organization, and expectations. Concentration on the early nineteenth century, but themes of continuing influence from the colonial and Revolutionary period will also be examined. Limited enrolment. — 15.
Prerequisites: HISB01
Corequisites: None
Instructor: Sheps

Humanities
The courses offered under the Humanities rubric are a hodge-podge of courses that do not seem to fit well under any of the more commonly used discipline designations.

HUMA01Y] Prologue*
*ARRANGE WITH CO-ORDINATORS
Full
Course

Students will be asked to read twenty books of central importance in Western civilization. This course will have no formal lectures or timetable; students may complete the readings at any time. A comprehensive examination will be given at the completion of each subset of ten books; the student may request 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. As weekly or bi-weekly informal sessions guest hosts will lead a discussion or present tapes, films, slides, etc., concerning some of the books. Students may find that this course, in addition to providing a good background in Western thought, would serve to unify and complement several other courses on their programmes which deal with partially overlapping subject matter. Texts: 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; Shakespeare, The Tragedy of Hamlet, Prince of Denmark; 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.
Prerequisites: None
Corequisites: None
Instructor: Grooth; Graham

HUMB01S] Emergence of Modern Prose
Term: LITB01
Course: 2L-MF3
Half
Prerequisites: [MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS LITB01] A study of the "Crisis of Consciousness" and its impact on the subject-object relationship; a comparative analysis of narrative techniques as well as of the transformation of the empirical world in modern European literature. The following authors will be considered: Joyce, Woolf, Proust, Maeterlinck, Jacobson, Hofmannsthal, Rilke, Musil, Kafka. Reading knowledge of French, German or Russian is recommended.
Prerequisites: None
Corequisites: None
Instructor: Wittmann

HUMB02F] Guilt and Conscience in Post-World War II Literature
Term: LITB02
Course: 2L-MF3
Half
Prerequisites: [MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS LITB02] Estrangement and search for identity, guilt and conscience in post-World War II Russian and German literatures. An analysis of the literature of indictment including works by Bill, Bochert, Frisch, Grass and Dudko-tsev, Ehrenburg, Pasternak and Solzhenitsyn. Lectures, discussion groups, oral reports and one minor essay.
Prerequisites: None
Corequisites: None
Instructor: Ponomareff

HUMB03Y] Experience, Communication and Language
Term: LITB09
Course: 2L-MW9
Half
Prerequisites: None
Corequisites: None
Instructor: Amenta

**"what's past is prologue" Shakespeare, Tempest II,1."
HUMB85F  Fantasy in Narnia and Middle Earth
Course not offered in 1972-73. 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.
Prerequisites: None
Corequisites: None

HUMB96S  Love and Friendship
A study of views held by the Greeks and Romans on the nature of love and friendship, especially those expressed by Plato, Symposium (On love) and Aristotle Nicomachean Ethics: Cicero On friendship and Ovid The Art of Love: also a look at famous friends and lovers, both the historical and mythological, as they are described in classical literature.
Prerequisites: None
Corequisites: None
Instructor: Irwin

HUMB78S  "The Ulysses Factor"
The literature of exploration: a study of a recurring motif—the "Odyssey"—in Greek, Latin, Medieval, and modern literature, based on the Homeric archetype, Ulysses. (To include reading of J.R.L. Anderson’s The Ulysses Factor.)
Prerequisites: None
Corequisites: None
Instructor: McDonald

HUMB86S  The Age of Augustus
Course not offered in 1972-73. Rome in transition from Republic to Principate, with reading of the Aeneid of Virgil as well as selections from Horace and Ovid. Representative pieces of Roman art and architecture, such as the Ara Pacis, will also be studies; and the contemporary consciousness of both literature and art as they expanded in the new directions will be examined.
Prerequisites: None
Corequisites: None

HUMB98Y  Introduction to Cinema
The intention of the course is to introduce the student to the vocabulary of film criticism, major aesthetic approaches, general history (silent and sound), and the rudiments of technique. Films will be shown on the average of one each week. Limited enrolment—40.
Prerequisites: One previous course in Literature or Fine Art
Corequisites: None
Instructor: Oliver

HUMB10F  Utopia: From More to Huxley
The study of major schemes for the total improvement of mankind and the solution to radical evils in society. The millenarian tradition, authoritarian and libertarian utopias, anti-utopias, and experiments in communal life. Practical applications and consequences of utopian thought.
Prerequisites: None
Corequisites: None
Instructor: Graham

HUMB11Y  The Art of Satire
A selective study of the satiric mode in Greek, Latin and English literature, with attention to the role of the satirist, the social conditions in which satire flourishes, and satirical conventions. Representative works may be drawn from the following: the writings of Aristophanes, Juvenal, Petronius, Lucian, Swift, Pope, Dryden, Fielding, Waugh, Leacock, O’Connor, Vonnegut, et al and to a lesser extent from non-literary satirical media, including art (Dada), music (Gilbert and Sullivan; Hoffnung), film, television. (Greek and Latin works will be read in translation.)
Prerequisites: One previous course in Literature
Corequisites: None
Instructor: Kay McDonald

HUMB12F  Art, Politics & Revolution
The influence on the visual arts of the political ferment of the eighteenth to the twentieth centuries. Hogarth and social commentary; the political cartoon. Painting in France and the French Revolution—David, Gros, Gericault. The failure of the Revolution—militant artists confront state patronage. The image of war— Goya and Gros; the First World War: Patriotism—painters of the national heritage. The development of the avant garde in the arts; the artist as Bohemian, from Courbet to the present day. Social problems, the relations of the sexes in fin de siecle and Expressionist painting. Art in the service of revolutions: the Russian Revolution and the modern movement—Surrealists and Communism—Mexico and art for the people.
Prerequisites: None
Corequisites: None
Instructor: Mosby

HUMB13Y  Contemporary Cultures in Question
The primary goal of this course is to enable students to adopt a mature and responsible attitude towards the problems which contemporary man has to face. The first and perhaps the most important step towards this achievement is to bring them in contact with the great minds whose contributions have had a decisive impact on the evolution of Western Culture in the last one hundred years. This is a broadly interdisciplinary course concerned with major theoreti-
cal works and systems of thought marking the various crises and
turning points of western civilization in the past century. The read-
ings will be designed to bring the student into contact with the great
minds whose contributions had influenced the course of this civil-
ization. The readings will include books by Nietzsche, Freud, Marx,
Malraux, Sartre, Beckett, Rogers, Toffler, Fanon and others. The
total course will meet for two hours weekly. Once every other week,
during the first hour of that meeting, the four instructors will dis-
cuss, in a panel format, the readings for the week. During the second
hour the class will break into four seminar groups to discuss the
readings and the previous hours’ panel discussion. On alternate
weeks, when there is no panel discussion, the seminar groups will
discuss papers to be presented by members of the seminars.
Prerequisites: Any A-level course.
Corequisites: None
Instructors: Clancy; Lee; Mignault; Ross

HUMB1SY
19th Century Poetry: Aesthetics
1L. MSW4W3
Aesthetic trends in the poetry of France, England, and Spanish
America in the second half of the nineteenth century—Parnassian-
ism, Symbolism, Pre-Raphaelitism, and Modernism—will be examin-
ed through the comparative analysis of representative texts.
Prerequisites: Reading knowledge of Spanish or French
Corequisites: None
Instructor: Skyrme

HUMC015
Lyric Poetry of the Middle Ages in the Mediterranean Area
*ARRANGE WITH INSTRUCTOR
A comparative analysis of one or several representative texts or col-
lections of texts from Hispano-Arabic, Galo-French, Castilian,
Provençal, Catalan, Italian and Sicilian sources; supplementary lec-
tures concerning Classical and Medieval Rhetoric and Arts of Po-
etry, versification, metrics and basic Medieval rhetorical termin-
ology. Given in English. The student preferably should be in the
third or fourth year, and a Literature student, with possibly Latin
and/or one language other than English. Students are advised to consult
with the instructor before registration.
Prerequisites: A B-level course in either a Romance Literature or
English Literature
Corequisites: None
Instructor: Bart

Students should also consult listings under:
CLAB09 Greek and Roman Comedy
CLAB21 Greek and Roman Religion
GERB17 The German Novel from Goethe to Grass
RUSB11 19th Century Russian Literature
RUSB12 Russian Drama
### Ita03s

**Course, Intermediate**

Course not offered in 1972-73. [MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS ITA005] 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.

- **Prerequisites**: ITA001 or ITA001 or Grade 13 Italian
- **Corequisites**: None

### Ita04s

**Advanced Composition and Conversation**

- **Term**: 3L-M10W1W3
- **Course**: [MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS ITA004] Study and analysis of selected texts, translations and compositions. The aim of the course is to further develop the student's ability to speak, read and write the language and to enable him to approach learned and literary texts with relative ease and confidence.

- **Prerequisites**: ITA002 or ITA002
- **Corequisites**: None
- **Instructor**: Costa

### Ita11y

**Twentieth Century Literature and Culture**

- **Term**: Full
- **Course**: [MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS ITA012] The aftermath of Italian unification. From Decadentism to Existentialism. The problems, issues, ideas reflected in the novel, drama and poetry.

- **Prerequisites**: ITA002 or ITA002
- **Corequisites**: None
- **Instructor**: Costa

### Ita12h

**The Twentieth Century Novel**

- **Term**: Year-Long
- **Course**: [MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS ITA011] A survey of the main themes and trends in the Italian novel of the twentieth century. Some attention will be given to the social, political, and intellectual conditions of the Fascist and post-Fascist era from which most of the works studies emerged.

- **Prerequisites**: ITA002 or ITA002
- **Corequisites**: None
- **Instructor**: Costa

### Ita21y

**Introduction to Italian Literature**

- **Term**: Full
- **Course**: [MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS ITA002] A survey of Italian literature, from the Middle Ages to the present. Emphasis will be given to periods and authors of major importance.

- **Prerequisites**: ITA002 or ITA002
- **Corequisites**: None
- **Instructor**: Costa

### Ita31y

**Dante and Medieval Culture**

- **Term**: Full
- **Course**: [MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS ITA002] Introduction to Medieval Italian literature; its origin and development, leading up to Dante and the masterpiece of the Middle Ages, The Divine Comedy; a brief survey of his minor works; their significance in terms of the life and culture of the time.
Italian Romanticism

Course not offered in 1972-73. Reading of selected works of Leopardi and Manzoni. The characteristics of Italian Romanticism, its connection with the movement of unification, in the context of European Romanticism.

Prerequisites:
ITA002 or ITAB02
Corequisites:
None

ITAB50F

Directed Reading
*ARRANGE WITH INSTRUCTOR

ITAB51F

These courses are intended for students who wish to pursue specific interests in particular aspects of Italian culture and literature. Students planning to take any of these courses must contact the instructors in the Spring prior to registration for consultation concerning authors or areas of study. Students are required to meet with their instructors at least once a week to discuss problems and points of interest arising from their readings and to plan further work. For students involved in the same areas of study, seminars will be held from time to time for discussion of common themes.

Prerequisites:
ITA002 or ITAB02
Corequisites:
None

ITAB53F

Directed Reading
*ARRANGE WITH INSTRUCTOR

ITAB55S

The same as ITAB50 - 54 series.

Prerequisites:
ITA002 or ITAB02
Corequisites:
None

ITAB559

Instructors: Members of the faculty

Latin American Area Studies

The University of Toronto offers a programme in Latin American Studies. Full details of the programme are given in the current St. George Campus Calendar. As Scarborough College a number of courses relevant to the programme can be taken. These are: Spanish A01, B02, B03, B28, B29, B30, Anthropology B03, B08 and Humanities B15.

Further information about Latin American Area Studies may be obtained from Professor Pedro León, H424, phone 284-3186, who will offer advice also on possible combinations of courses in this area.

Linguistics

Linguistics is the study of language for its own sake, as a phenomenon of human behaviour. As the essence of language is speech and the psychological realities underlie it, the courses offered arrange themselves within certain easily definable areas: the description of the sounds and forms of language (LINA02, LINA03, LINB01, LINB02 and LINB03), the study of the history of the sounds and forms and language (LINB04), and the study of several aspects of language use: meaning (LINB05), social and cultural use (LINB07), and the psychology of language (LINB05).
LINA 02F General Linguistics I

Term: Half-Course
3L-M1T12R12/T7:8-30E R7:8-30E
Corequisites: None
Instructor: Grant

[LINA 01] In the introductory course various methods of linguistic analysis will be discussed as well as the sound and form systems which make up language. Among the questions considered will be the processes of producing and comprehending original utterances, first and second language acquisition, and the structures which underly actual utterances.

LINA 03S General Linguistics II

Term: Half-Course
3L-M1T12R12/T7:8-30E R7:8-30E
Corequisites: None
Instructors: Woods; Binnick

[LINA 01] A continuation of LINA 02.

LINA 01F Base of Linguistic Theory

Term: Half-Course
Corequisites: None
Instructor: Woods; Binnick

[LINA 01] 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.

LINA 02F Phonology

Term: Half-Course
Corequisites: None
Instructor: Woods

[LINA 01] The sounds of language and their analysis. Theoretical approaches to the sound patterns of various languages. Both synchronic and diachronic views of sound shift and sound change.

LINA 03F Syntax

Term: Half-Course
Corequisites: None
Instructor: Woods

[LINA 01] Contemporary views of larger linguistic units; their analysis and constitution. Immediate constituent analysis and the transformational-generative approach.

LINA 04S Historical and Comparative Linguistics

Term: Half-Course
Corequisites: None
Instructor: Binnick

[LINA 01] Language change and language relationships; linguistic typology; language universals. The Indo-European family and other language families.

Corequisites: None
Instructor: Grant

LINA 05S Psycholinguistics

Term: Full-Course
Corequisites: None
Instructor: Salus

[LINA 01] Primary language acquisition; language encoding and decoding; the perception of speech.

LINA 06S Semantics

Term: Full-Course
Corequisites: None
Instructor: Binnick

[LINA 01] The study of grammatical and lexical meaning. The interpretation and derivation of lexical information. The nature of ambiguity.

LINA 07Y Sociolinguistics

Term: Full-Course
Corequisites: None
Instructor: Members of the faculty

[LINA 01] The structure and use of language as it relates to social and cultural functions. The application of sociolinguistic research to Canada will comprise approximately half of the year's work. Among the topics considered will be: official and national bilingualism, multilingualism, ethno-national solidarity, language maintenance and language shift. 

Corequisites or Corequisites: LINA 01, or LINA 02; LINA 03

LINC 01F Directed Reading

Term: Full-Course
Corequisites: None
Instructor: Members of the faculty

[LINA 01] The purpose of these courses is to allow the student maximum flexibility in the choice of areas which interest him and to allow him to read widely, under direction, in those areas. Each student will work in consultation with an instructor.

LINC 02S Directed Reading

Term: Full-Course
Corequisites: None
Instructor: Members of the faculty

[LINA 01] The same as LINC 01.

Students should also consult listings under:

ANTA 01 Introduction to Anthropology
BIOB 01 Human Physiology
ENG 001 Old English Language and Literature
FREB 25 Introduction to French Linguistics
FREB 42 General History of the French Language
FREB 43 The French Language in Canada
MAT20 | Nature of Mathematics I
PHLB53 | Symbolic Logic
PHLC66 | Philosophy of Language
PSYB40 | Learning
SPAB12 | History of the Spanish Language

Mathematics
The immense importance of Mathematics in Science derives from the power it conveys on deduction, the process of drawing logically compelling consequences from assumptions. Mathematics enables the scientist to see logical relations among established facts that escape unaided reasoning just as telescopes, microscopes, spectrosopes, etc. help to discover facts that escape unaided senses. In this way, Mathematics helps to organize accumulated knowledge into coherent theories. Increasingly, mathematical methods are being extended to apply to Behavioral and Social Sciences as well as to the Natural Sciences.

Besides its role in clarifying and organizing scientific knowledge, Mathematics is an intellectual discipline in its own right, providing a keen sense of aesthetic appreciation to those who have learned its language.

The Grade 13 prerequisites for appropriate courses are stated as "Grade 13 Math A or Math 1". As the diverse nature of Mathematics courses in Ontario High Schools is appreciated, students who have standing in a Mathematics course taken at the Grade 13 or equivalent level should consult with the Mathematics instructors with regard to their eligibility to enrol in the courses concerned.

MAT20F | Nature of Mathematics I
2L:WR5
Term
Half Course
Prerequisites: None
Instructor: Mendelssohn

MAT25S | Nature of Mathematics II
2L:WR5
Term
Half Course
Prerequisites: MAT20
Instructor: Mendelssohn

MAT26Y | Techniques of Calculus
2L,2T L:M10F12
Term
Half Course
Prerequisites: MAT25S OR MAT20; STUDENTS WHO WISH TO CONTINUE THEIR STUDIES IN ASTRONOMY, MATHEMATICS, PHYSICS, CHEMISTRY (PHYSICAL AND INORGANIC) SHOULD NORMALLY ENROLL IN MAT25S. An introduction to the application and techniques of the calculus. Derivatives, their geometric, and phys-
matic applications, solving of maxima-minima problems, techniques of formal integration, areas and volumes derivatives of vector functions, tangential and normal components, multiple integration as well as other techniques of calculus.

Prerequisites: Grade 13 Math A or Math 1
Instructor: Halperin; Keast

MATA40F Introduction to Linear Algebra

Term:
2L, 2T

L M1F11

[MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS
MATA03] Elementary Geometry R^2, cross and dot-products, Complex
numbers, Row and column vectors. Matrices. Determinants.

Prerequisites: Grade 13 Math A or Math 1 or 2 or 3
Corequisites: None

MATA45S Linear Algebra I

Term:
2L, 2T

L M1F11

Automatic definition of vector spaces. Linear dependence. Basis and
dimension. Linear transformations, Inner product.

Prerequisites: MATA40
Corequisites: None

MATA55Y Calculus

FALL

2L, 2T, 1T, E, L M1OF12, T7, 9E

[MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS
MATA26 or MATA01] Limits with epsilon-delta arguments. Differentia-

tion, integration and the fundamental theorem of the calculus.
Theorem of the mean. Sequences, series. Power series and real analy-

Prerequisites: Grade 13 Math A or Math 1; 2
Corequisites: None
Instructor: Wilker

MATA55S Introduction to Computing

Term:
2L, 2T

L M1R2

Algorithms and flow charts. Introduction to stored program com-
puters and programming. Elementary applications in data processing.

Prerequisites: Grade 13 Math A or Math 1
Corequisites: MATA26 or MATA40 or MATA55
Instructor: Eells

MATB30F Geometry I

Term:
3L, M1R12

[MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS
MATB05] Isometries in Euclidean plane and space. Similarities.

Inversion in a circle. The invericular plane. Circle preserving transfor-
mations. Non-Euclidean geometry.

Prerequisites: MATA45
Corequisites: None
Instructor: Wilker

MATB35S Geometry II

Term:
3L, M1R12

[MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS
MATB05] Projective and affine geometry. Finite examples. Free
completions. The theorems of Desargues and Pappus. Projectivities,
homologies, elations. The fundamental theorem of projective geom-
etry.

Prerequisites: MATB30
Corequisites: None
Instructor: Wilker

MATB40F Linear Algebra II

Term: 3L, M1N2R11

Dual space, inner product spaces, orthonormal basis, reduction of
symmetric matrices, canonical forms, spectral properties.

Prerequisites: MATA45
Corequisites: None
Instructor: Kupka

MATB41F Vector Calculus

Term: 3L, M2R3R4

[MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS
MATB04 or MATB50] Differential and integral calculus of scalar
and vector functions of a vector variable, with emphasis on E^2 and
E^3. Partial derivatives; gradient, curl and divergence. Line, surface
and multiple integrals. Green's theorem and Stokes' theorem. This
course concentrates on computational techniques with a careful
statement of results but little emphasis on proofs.

Prerequisites: MATA55; MATA45
Corequisites: None
Instructor: Keast

MATB45S Linear Algebra III

Term: 3L, W3W4R11

Orthogonal, symplectic and hermitian spaces. Isometries, reflections,
Witt's theorem, isotropic subspaces. The orthogonal group, the gen-
eral linear group. Tensor products, exterior algebra.

Prerequisites: MATB40
Corequisites: None
Instructor: Eells

MATB46S Applied Mathematics and Mechanics

Term: 3L, M2R3R4

[MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS
PHYB02] Methods of Lagrange and Hamilton, variational principles.

Prerequisites: MATB81; MATB41 or MATB50; PHYA01 or PHYA02
Corequisites: None
Instructor: Halperin

MATB50F Analysis I

Term: 3L, W1N1F11

[MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS
MATB41] Not recommended for students with less than B standing in
prerequisites. The theory of differential vector calculus and the
topology of E^n. The derivative as a linear approximation. Partial
derivatives. Inverse and implicit function theorems. Analytic map-
pings, Metrics, open and closed sets, connectedness and compactness
in $E^n$. Critical points, Lagrange multipliers. (Emphasis on proofs and mathematical rigor.)

Prerequisites: MAT255, MAT245
Corequisites: None
Instructor: Leah

MATB51F
Differential Equations I
3L, W98/W09R10
[MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS MATB07]
First and second order ordinary differential equations, operational methods, variation of parameters, solution in series.
Prerequisites: MAT255, MAT245
Corequisites: MAT280 or MAT241
Instructor: Driver

MATB52F
Probability and Statistics I
3L, M3F3F4
[MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS PSYB07 AND SOSA01]
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.
Prerequisites: MAT255 or MAT246
Corequisites: None
Instructor: Rapoport

MATB53S Numerical Methods
3L, M11M12R9
Prerequisites: MAT258
Corequisites: MATA40, MAT245
Instructor: Keast

MATB55S Analysis II
3L, W11F1I1F12
[MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS MATB41]
The theory of integral vector calculus. Series of functions. Multiple integrals and transformation of variables. Integration of n forms. Exterior calculus in $E^2$ and $E^3$. Line integrals, winding number, Green's theorem, Surface integrals and Stokes' theorem. (Mathematical rigour is emphasized.)
Prerequisites: MATB50
Corequisites: None
Instructor: Leah

MATB56S Differential Equations II
3L, W98/W09R10
[MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS MATB07]
Existence and uniqueness theorem for linear differential equations, dimension of the solution space. Variation of parameters and Green's functions. The Laplace transform. The gamma function. Separation and comparison theorems, self adjoint form. Bessel func-

MATB57S Probability and Statistics II
3L, M3F3F4
Prerequisites: MATB52
Corequisites: None
Instructor: Driver

MATB58F Problem Solving with Computers
3L, M11M12R9
Prerequisites: MAT288
Corequisites: None
Instructor: Enright

MATB65S Programming Languages and Their Applications
3L, W2W3F10
Programming languages and applications. The syntax and semantics of various programming languages, including both algebraic and symbolic manipulation languages. Data structures. Numerical and non-numerical applications.
Prerequisites: MATB58
Corequisites: None
Instructor: Enright

MATC40 Algebra I
3L, M11R3R4
[MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS MATB02]
The structure of groups, rings and fields. Integers, congruences, factorization. Rational, real and complex fields.
Prerequisites: Any two of the following: MATB30, MATB35, MATB40, MATB45, MATB50, MATB51, MATB55, MATB56
Corequisites: None
Instructor: Mendelsohn

MATC45S Algebra II
3L, M11R3R4
[MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS MATB02]
Euclidean domains, polynomials, factorization and quotient fields, field extensions and finite fields, finite groups, Galois theory.
Prerequisites: MATC40
Corequisites: None
Instructor: Mendelsohn
MATC50F Real Analysis I 3L:W11F11F12
Set theory, sets and functions, power of a set, axiom of choice, systems of sets. Metric spaces, completeness, fixed point theorem.
Term
Half
Course
Prerequisites: MATB55
Corequisites: None
Instructor: Kupka

MATC55S Real Analysis II 3L:W11F11F12
Linear functionals, conjugate space, weak topology. Linear operators, compact operators in Hilbert space. Measure and integration (the Stieltjes and Lebesque integrals). Differentiation. Radon-Nikodym theorem.
Term
Half
Course
Prerequisites: MATC50
Corequisites: None
Instructor: Kupka

MATC60F Complex Analysis I II 3L:M2M3F2
Term
Half
Course
Prerequisites: MATB55 or MATB41
Corequisites: None
Instructor: Leah

MATC65S Complex Analysis II 3L:M2M3F2
Harmonic functions, Dirichlet problem, analytic continuation, normal families and Riemann mapping theorem.
Term
Half
Course
Prerequisites: MATC60
Corequisites: None
Instructor: Leah

Natural Science

NSCA01Y Introduction to Natural Science: The Physical Sciences 2L:M7.9E, 1T:M9E
This course has two main purposes. It provides a comprehensive introduction to Science for the future teacher, lawyer, economist, government official, politician, artist, theologian, social scientist, anthropologist, etc. It is also intended to provide an interesting view of the Physical Sciences for students who plan careers in the Physical and Life Sciences. The intent of the course is to give some historical perspective, with special effort directed to the identification of the common elements and interrelationships that give pattern to the institutions called science and society. A major theme is that of systems or cybernetics, including the concepts of feedback and of stability. The probabilistic and statistical character of natural phenomena, difficulties attending measurement and understanding of
Term
Half
Course

NSCA02Y Introduction to Natural Science: The Biological Sciences 2L:1T(every third week):M9F11
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.
Prerequisites: None
Corequisites: None
Instructor: King

NSCA03Y Quaternary Environments and Man 2L:T3S-1T:W12F12
A multidisciplinary course designed to introduce the study of the events and processes that have shaped the physical, biological and cultural aspects of the world in which we live. Specifically, the course will emphasize the inter-disciplinary nature of the diverse fields investigating the last major period in the earth's history, the Quaternary. Included in the presentation will be the findings and methodologies of such disciplines as Geology and Geomorphology, Historical Ecology and Prehistoric Archeology. The format will consist of lectures, tutorials, demonstration laboratories and independent assignments.
Prerequisites: None
Corequisites: None
Instructor: Ritchie

NSCB01S Behaviour Biology: Seminar in Psychobiology 2L:WF9
An interdisciplinary seminar in behaviour at the interface of Psychology, Biology and Physical Anthropology.
Term
Half
Course
Prerequisites: BIOA01 or BIOA02 or BIOA03; PSYA01; at least one of the following: ANTA01, ANTB15, BIOB05, BIOB07, BIOB16, BIOB17, PSYB40, PSYB41, PSYB60, PSYB61, PSYB70.
Corequisites: None

Philosophy
Philosophy consists of a critical analysis of the fundamental ideas and concepts at
the roots of such major areas of human concern as science, society, religion, morality and art. Its aim is to scrutinize the basic notions in these areas, to clarify the principles on which they are founded, to evaluate such fundamental 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 in the systematic development of a questioning attitude and critical awareness.

Students who wish to specialize in Philosophy should complete at least twelve 3-level 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 (PHLBS4) and Metaphysics (PHLBS5). Members of the faculty in Philosophy will be pleased to offer advice and assistance in the planning of such programmes.

PHL01Y Introduction to Philosophical Problems
Full Course
Prerequisites: None
Corequisites: None
Instructor: Members of the faculty

PHL02Y Introduction to Philosophical Classics
Full Course
Prerequisites: None
Corequisites: None
Instructor: Members of the faculty

PHLB50F Anarchism
Term
Half

PHLB51Y Socialism in Theory and Practice
Full Course
Prerequisites: HIS01; a course in Philosophy is recommended.
Corequisites: None
Instructor: Graham; Dick

PHLB51S Ethics
Term
Half
Prerequisites: [A previous term in Philosophy is recommended but not required.]
Corequisites: None
Instructor: Graham

PHLB51F Symbolic Logic
Term
Half
Prerequisites: None
Corequisites: None
Instructor: Gooch

PHLB54F Theory of Knowledge
Term
Half
Prerequisites: [A previous term in Philosophy is recommended but not required.]
Corequisites: None
Instructor: di Nocia

PHLB55S Metaphysics
Term
Half
Course
Prerequisites: [A previous term in Philosophy is recommended but not required.]
Corequisites: None
Instructor: Graham

PHLB56F Philosophy of Religion
Term
Half
Prerequisites: [A previous term in Philosophy is recommended but not required.]
Corequisites: None
Instructors: Gooch; Mosher

PHLB56S Philosophy of Religion
Term
Half
Course
Prerequisites: None
Corequisites: None
Instructor: di Nocia

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[PHLB67F] Medieval Philosophy
Course not offered in 1972-73. The philosophies of Augustine, Aquinas, Ockham, and others.
Term: Half-Course
Prequisites: [A previous term in Philosophy is recommended but not required.]
Corequisites: None
Instructor: Mosher

[PHLB71F] Seventeenth and Eighteenth Century Thought
The beginnings of modern discussions regarding persons, nature, and the place of reason and experience in knowledge. We study several of the following: Descartes, Spinoza, Leibniz, Locke, Berkeley, Hume and Kant.
Term: Half-Course
Prequisites: [A previous term in Philosophy is recommended but not required.]
Corequisites: None
Instructor: Mosher

[PHLB74S] Twentieth Century Philosophy
Course not offered in 1972-73. [MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS PHLB653.] Philosophers such as Russell, Moore, Wittgenstein, Dewey, and others.
Term: Half-Course
Corequisites: None
Instructor: Sobel

[PHLB75F] Perspectives in Contemporary Philosophy
A study of contrasting contemporary philosophies: existentialism, Marxism, logical positivism, and recent analysis.
Term: Half-Course
Prequisites: [A previous term in Philosophy is recommended but not required.]
Corequisites: None
Instructor: Hartman

[PHLB76S] Existentialism and Phenomenology
Course not offered in 1972-73. [MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS PHLC54.] Philosophers such as Kierkegaard, Husserl, Jaspers, Heidegger, Sartre, and others.
Term: Half-Course
Prequisites: One B-level course in Philosophy.
Corequisites: None

[PHLB775] Marx and Marxism
Course not offered in 1972-73. [MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS PHLC55.] The philosophies of Marx, Engels, Lenin, and others.
Term: Half-Course
Prequisites: One B-level course in Philosophy, Sociology, Political Science or Economics. PHLB52 is recommended.
Corequisites: None
PHL78S: Contemporary Ethics
Course not offered in 1972-73. [MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS PHLC60.] Recent discussions of fundamental concepts and issues in ethical theory: Moore, Ross, Hare and others.
Prerequisites: One B-level course in Philosophy. PHLBS1 is recommended.
Corequisites: None

PHL79F: Theories of Mind
3L-M11R10R11
Term
Half
Course
An examination of the philosophical presuppositions of psychological theories such as those of Freud, Jung, Behaviourism, Existentialism. Psychology: a study of such problems as the relation of mind and body, conscious and unconscious, the meaning of mentalistic concepts and the analysis of dreaming. For a continuing course see PSYC30.
Prerequisites: One B-level course in Philosophy or Psychology.
Corequisites: None
Instructor: Clancy

PHL80S: Philosophy of Language
Course not offered in 1972-73. [MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS PHLC66.] Contemporary theories of meaning, reference, grammar and the nature of language.
Prerequisites: One B-level course in Philosophy. PHLBS3, PHLBS4, or PHLBS5 are recommended.
Corequisites: None
Instructor: Graham

PHL81F: Perception
Course not offered in 1972-73. [MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS PHLC67.] A study of theories of perception, the problems they are supposed to solve and arguments used to support them.
Prerequisites: One B-level course in Philosophy or Psychology. PHLBS4 is recommended.
Corequisites: None

PHL82S: Intermediate Logic
Course not offered in 1972-73. [MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS PHLC70.] An extension of quantification theory to include infinity and definite description, and study of further topics such as the history, nature, and limitations of formal systems.
Prerequisites: PHLBS3 or two courses in Mathematics.
Corequisites: None

PHL99F: Supervised Readings
*ARRANGE WITH INSTRUCTOR
A planned course of independent study on a special topic to be arranged by mutual agreement between a student and an interested instructor. Students wish to embark on such a programme must consult with the instructor during the first week of the term to determine the aims and requirements of the course of study.
Prerequisites: Permission of instructor
Corequisites: None
Instructor: Members of the faculty

PHL99S: Supervised Readings
*ARRANGE WITH INSTRUCTOR
Course
Term
Half
Prerequisites: Permission of instructor.
Corequisites: None
Instructor: Members of the faculty

Physics
Physics has as its objective the analysis and understanding of matter from the microscopic scale of the atomic nucleus to the scale of the universe itself. In this study some factual knowledge is necessary, but equally important is an ability to analyze physical situations so as to determine what ingredients are essential and what can be neglected. This is reflected in studies at the university level, where the emphasis is on such analysis, in order that the student develop an ability to use his factual knowledge.

The student of Physics must also study Mathematics because Mathematics is a necessary tool in the study of Physics, but Physics is not just applied Mathematics. Because modern science is based on experiment, laboratory work is essential in connection with Physics courses. Students intending to specialize in Physics should register in the first year in PHYA01, MATA40, MATA45 and MATA55. Programmes for the following two years should be worked out individually in consultation with one of the Physics faculty and the counselling service; normally these would include all the B-level Physics courses listed below, with all explicitly stated and implied Mathematics pre- and corequisites, plus MATB46.

The list of pre- and corequisites implies others not explicitly listed; such an explicit listing is available from the counselling service.

PHYA01Y: Elementary Mechanics
2L-M11F, 2T-T11, T13, P (every second week) 19-12/14
Course
Term
Half
[May not be taken in same degree programme as PHYA02.] This introductory mechanics course, motions of single particles and collections of particles are studied, 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.
Prerequisites: Grade 13 Physics
Corequisites: MATA55
Instructor: Parz
PHYA02Y  Mechanics, Matter and Waves  
[2L, 1T, 3P; L-M11F, 9; 3P; every second week; W9-12/W2-5/F2-5]  
TERM: PHYA01 | The motion of a single particle is dealt with extensively from the points of view of both the classical theory of Newton and the special theory of relativity of Einstein; then the treatment is extended to systems of several particles, such as molecules. Following this, systems involving large numbers of particles are studied using elementary kinetic theory and statistical mechanics. Quantum ideas are introduced. In conclusion, the microscopic world is examined in terms of the particle nature of matter. A laboratory accompanies the lecture course. This course is recommended for students not intending to pursue major studies in Physics. 
Prerequisites: None 
Corequisites: MATA26 or MATA55 
Instructor: Perczyk

PHYB01Y  Electricity and Magnetism  
[2L, T4F, 2, 1T-M9]  
TERM: PHYB01 | The basic properties of the electromagnetic interaction both in vacuum and in matter are investigated. Maxwell’s equations are developed and the properties of electromagnetic radiation are discussed. A main feature of the course is the illustration of the basic and wide ranging importance of electromagnetic effects through a discussion of numerous examples from Atomic and Nuclear Physics, Solid State Physics, Astrophysics and Biophysics. This course is essential to a Physics Specialist Programme. 
Prerequisites: PHYA01 or PHYA02 
Corequisites: MATB41 or MATB50 
Instructor: King

[PHYB03Y  Electronics]  
TERM: PHYB03Y | Course not offered in 1972-73. The physical principles of electronic devices such as vacuum tubes and semiconductor diodes and transistors are studied. Circuits incorporating these devices are described, and methods of circuit analysis are developed. (Lectures and laboratory.) 
Prerequisites: PHYA01 or PHYA02 
Corequisites: None

PHYB04Y  Waves  
[2L, T4F, 1T-F10]  
TERM: PHYB04 | A course treating a wide variety of physical phenomena described in terms of waves. The topics discussed include wave equations, superposition of waves, emission and absorption of waves, impedance, polarization, and interference and diffraction. This course is essential to a Physics Specialist Programme. 
Prerequisites: PHYA01 or PHYA02 
Corequisites: MATB56 
Instructor: Walker

PHYB05F  Thermal Physics  
[2L, T4F, 1T-F10]  
TERM: PHYB05F | [MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS PHYB12] | The interpretation of the properties of solids, liquids, and gases in terms of their elemental constituents, namely atoms and molecules. Thus, it serves as an introduction to the subjects of statistical mechanics, the kinetic theory of gases, thermodynamics and the concept of entropy. This course is essential to a Physics Specialist Programme. 
Prerequisites: PHYA01 or PHYA02 
Corequisites: MATB41 or MATB50 
Instructor: Walker

PHYB11Y  Quantum Physics  
[2L, MF12]  
TERM: PHYB11Y | Introduction to the basic ideas of quantum mechanics and its applications in modern Physics. This course is essential to a Physics Specialist Programme. 
Prerequisites: PHYB01 
Corequisites: MATB40 
Instructor: O’Donnell

PHYB13Y  Electromagnetic Fields and Waves  
[2L, T12F2]  
Prerequisites: PHYB01 
Corequisites: PHYB04 
Instructor: Griffin

PHYB15H  Modern Physics Laboratory  
[7P; every third week; M10-5]  
TERM: PHYB15H | An advanced laboratory course to accompany PHYB11. This course is essential to a Physics Specialist Programme. 
Prerequisites: PHYB01 
Corequisites: PHYB11; MATB40

Students should also consult listing under: MATB46  Applied Mathematics and Mechanics 
NSCA01  Introduction to Natural Science: The Physical Sciences

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 wise “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 speculations to the empirical analysis of political behaviour. As a discipline it is loosely constructed, although in recent years a more rigorous method has been employed in several fields. In fact, the scope of the subject reveals the impossibility of clearly separating Political Science from a number of other disciplines. At the same time, within the discipline of Political Science itself it is customary to recognize the existence of several major fields, i.e., Political Theory, International Relations, Comparative Government, Political Behaviour, and Public Administration.

A programme of studies for those who wish to concentrate in Political Science would normally include— (a) at least one A-level course; (b) at least two courses in Political Theory, including POLB03 and POLB06; (c) at least one course from four of the following five fields—International Relations, Canadian Government and Public Administration, Comparative Government (Developed Countries), Political Behaviour and Quantitative Methods. Because the Political Science curriculum at the College is as yet limited in certain fields, it may be necessary for students in senior years to take one or more courses on the St. George Campus. However, many related courses are also available at Scarbororough College in other disciplines, notably History, Economics, Sociology and Philosophy, and some students may choose an interdisciplinary programme of concentration. All students who wish to pursue a programme of studies involving concentration in Political Science are strongly advised to consult with members of the faculty.

**POLA01Y Canadian Government and Politics**

Full Course

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. Pre-requisites: None Co-requisites: None Instructor: Eberley

**POLA02Y Introduction to Politics**

Full Course

A study of both the theory and practice of politics. An analysis will be made of a number of basic political concepts (e.g., power, authority, equality, freedom, democracy, nation, nationalism, consensus, representation, state, ideology, class, interest) with reference to various political systems, past and present. Particular emphasis will be laid upon the Canadian political experience. Pre-requisites: None Co-requisites: None Instructor: Blair

**POLA03Y Comparative Government**

Course not offered in 1972-73. Full Pre-requisites: None Course Co-requisites: None

**POLB02F Canadian Political Parties**

Course not offered in 1972-73. A one-term course consisting of weekly lectures and seminars. Both national and provincial parties and party systems will be examined. Half Course Pre-requisites: POLA01 Instructor: Blair

**POLB03Y Modern Political Thought**

2L:W1-3, T:4/T5

A study of political theorists of the 18th, 19th and 20th centuries, including Rousseau, Tocqueville, Mill, and Marx. Full Course Pre-requisites: A course in Political Science Co-requisites: None Instructor: Solomon

**POLB06Y Political Thought from Plato to Locke**

Course not offered in 1972-73. This course will include a discussion of the political thought of Plato, Aristotle, Augustine, Aquinas, Machiavelli, Hobbes and Locke.

Pre-requisites: None Co-requisites: None Instructor: Andrew

**POLB10Y International Relations**

2L:T3-5/T7-9E, T:W3/F2/T9E

This course deals with 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. Pre-requisites: None Co-requisites: None Instructor: Rubinfeld

**POLB12Y Politics and Society in Independent Africa**

2L:M3-5, T:W4/WS

This course will analyse the politics of Africa in historical and comparative perspectives. The topics to be covered include: colonialism and African reactions to it; the persistence of traditional institutions and practices; tribe and class as sources of cleavage in society; the nature of parties and single-party rule; the role of the military; neo-colonialism; and strategies of development. Pre-requisites: None Co-requisites: None Instructor: Sandbrook

**POLB14Y Topics in Federalism**

Course not offered in 1972-73. MAY NOT BE TAKEN IN SAME
DEGREE PROGRAMME AS POLC01. This course will take the form of a weekly lecture and seminar. Particular attention will be paid to the federal systems of the U.S.A., Australia and Canada.

Prerequisites: A course in Political Science
Corequisites: None
Instructor: Blair

POLB17Y The Chinese Political System
Full Course
2L.T12/W7.9E
An analysis of Chinese political institutions, behaviour and thought, with primary emphasis on the contemporary political system since 1949.

Prerequisites: None
Corequisites: None
Instructor: Falkenheim

POLB18Y Comparative Politics of Western Europe
Full Course
2L.M1R2
An examination of the development of modern political systems through comparative study of France, Germany, and Great Britain. Special emphasis will be given to: (1) the different responses to democratization, industrialization, and nationalism; (2) the relationship between values and institutions; (3) the problems posed for parliamentary democracy by industrial concentration and governmental intervention in society; (4) the relationship between domestic structure and foreign policy.

Prerequisites: None
Corequisites: None
Instructor: Frieven

POLB20F Provincial Government and Politics
Term Course
2L: T11-1
A comparative political analysis of institutions and processes in the Canadian provinces. The topics to be studied include: party systems; patterns of electoral competition; voting behaviour; representation; interest groups; the executive process; legislatures; oppositions. Limited enrolment — 20.

Prerequisites: POLA01
Corequisites: None
Instructor: Esbercy

POLB215 Workshop in Canadian Politics
Term Course
2L: T11-1
The object of this workshop is to examine a specific aspect of contemporary Canadian politics and it is expected that students will engage, either individually or severally, in some form of original research. The subject to be studied is the executive process in the Canadian and Ontario governments, including an examination of the cabinet system and the office of Prime Minister, policy-making and advisory structures, and executive-legislative relations. Limited enrolment — 20.

Prerequisites: POLA01
Corequisites: None
Instructor: Blair

POLB22Y The Conservative Party and the Canadian Party System
Full Course
2L.T4-6
An examination of the Conservative party's place in Canadian party politics from the end of the First World War until the present.

Prerequisites: POLA01
Corequisites: None
Instructors: Goodman; Blair

POLB23Y Politics and Society of the U.S.S.R.
Full Course
2L.R7-9E
[May not be taken in same degree programme as SOSB01]. An analysis of the Soviet political system. It will include lectures and discussions on: social and historical background of Soviet society, relationship of party to society, political elites, institutional structures, Marxist ideology and nationalism, decision making, socialization and communication. Some attention will be given to various forms of dissent as well as to sources of stability within the U.S.S.R.

Prerequisites: None
Corequisites: None
Instructor: Dreifelds

POLB24Y Psychology and Politics
Full Course
2L.T7-9E
An introduction to the psychological dimension of political behaviour with a focus upon the individual in his political role. Consideration will be given to the various approaches currently being used to relate psychological theories to political analysis.

Prerequisites: None
Corequisites: None
Instructor: Esbercy

POLC02S Modern Democratic Theory
Term Course
2L.T1-3
A consideration of 20th century democratic theory from the viewpoint of its contribution both to the normative idea of democracy and to empirical propositions about democracy. Limited enrolment — 20.

Prerequisites: One B-level course in Political Science
Corequisites: None
Instructor: Solomon

[POLC03F Marxism-Leninism]
Course not offered in 1972-73. [May not be taken in same degree programme as POLB11]. Readings from the major texts of Marx and Lenin and a discussion of the principal issues in Marxian theory and practice. Limited enrolment — 20.

Prerequisites: POLB03 or POLB06
Corequisites: None
Instructor: Andrew
POLC045  Modernization and Revolution  2L:W2-4
This seminar will begin with discussions on the various conceptions and explanations of revolution. It will then proceed to the causes and consequences of revolution in a small number of third-world countries, including Algeria and Cuba. Limited enrolment.
Prerequisite: A related B-level course in a Social Science
Corequisite: None
Instructor: Sandbrook

POLC05Y  The New Nations in World Politics  2L:R12-2
This seminar will examine the role in international affairs of those states which have achieved independence since World War II, among the subjects covered will be neutralism, colonialism, nationalism, leadership, and regionalism. Limited enrolment — 20.
Prerequisites: One B-level course in Political Science
Corequisites: None
Instructor: Rubinoff

POLC06Y  Asian Communist Movements  2L: R4-6
An examination of the role of selected ruling (e.g., China, North Korea, North Vietnam) and non-ruling (e.g. Indonesia, South Vietnam, India) parties in Asia. The focus of the seminar will be on the relationships between modernization, revolution, and nation-building. Limited enrolment — 20.
Prerequisites: One B-level course in Political Science
Corequisites: None
Instructor: Falkenheim

POLC07Y  Advanced Reading Programme in Special Topics  
*ARRANGE WITH INSTRUCTOR
Prerequisites: One B-level course in Political Science; permission of instructor.
Corequisites: None
Instructor: Members of the faculty
Students should also consult listing under:
SOC401 Quantitative Methods in Social Science

Psychology
Psychology is that branch of science which seeks to understand the behavior of organisms. Why humans and infra-humans 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 psychol-
opists pursue inquiries in these areas and what knowledge they have gained.

All students interested in following a coherent programme in Psychology and those wishing to prepare for graduate study in the discipline are advised to consult with a member of the faculty in Psychology. Students should note that PSYA01 is a prerequisite for all further courses in Psychology. In addition PSYB07 and PSYB09 are recommended (but, unless specified, not required) as background preparation for all laboratory courses and all C-level courses in Psychology.

Full Course A consideration of the basic principles and methods of contemporary Psychology, emphasising their contributions to an understanding of how organisms, both human and infrahuman, perceive their environments, how their behavior is modified by experience, and how their activities are instigated, sustained, and directed. Interested students should note that PSYB09 may be taken concurrently with the Spring Term of PSYA01.
Prerequisites: None
Corequisites: None
Instructor: Members of the faculty

PSYB07F Data Analysis in Psychology 3L.T9W9R2/T7-10E
[May NOT BE TAKEN IN SAME DEGREE PROGRAMME AS MATB52 OR SOSA01.]
Term Psychologists, like other scientists, arrive at general principles on the basis of limited evidence. The behavior of man is explained by observing the behavior of men. How is the psychologist able to make the leap from the specific data of his experiments to the generalization he may wish to affirm? The course examines the role of statistical decision-making procedures in drawing reasonable inferences from research findings. It assumes no mathematical sophistication beyond elementary algebra; it does assume a willingness to master quantitative techniques.
Prerequisites: None
Corequisites: None
Instructor: Eran; Fornin

PSYB08S Experimental Design in Psychology 3L.T9W9R2
Term The course extends the range of techniques examined in PSYB07.
Half-Course 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.
Prerequisites: PSYB07 or MATB52 or SOSA01
Corequisites: None
Instructor: Fornin

PSYB09F General Experimental Psychology 2L.MW10.3P.T10-1/F10-1
Term The experimental techniques of Psychology as applied to problems in learning, motivation and perception in infrahuman and human
organisms. This course emphasizes research methods in 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.

**Prerequisites:** PSYA01

**Corequisites:** None

**Instructor:** Biederman

**PSYB09S General Experimental Psychology** 2L-M7-9E, 3P-T7-10E

**Term:** Half

**Course**

**Prerequisite or Corequisite:** PSYA01

**Instructor:** Biederman

**PSYB10F Introduction to Social Psychology** 2L-W7-9E, 1T-T4/F1/W9E

**Term:** Half

**Course**

**Prerequisite:** PSYA01

**Corequisites:** None

**Instructor:** Dion

**PSYB10S Developmental Psychology** 2L-MW10, IT-M1/T9/R3/F1

**Term:** Half

**Course**

**Prerequisite:** PSYA01

**Corequisites:** None

**Instructor:** Ross

**PSYB11F Social Psychology Laboratory** 2L-T1W3, 3P-T2-5

**Term:** Half

**Course**

**Prerequisite:** PSYB10

**Corequisites:** None

**Instructor:** Ross

**PSYB12S Social Interaction** 3L-W7-10E

**Term:** Half

**Course**

**Prerequisite:** PSYB12

**Corequisites:** None

**Instructor:** Efran

**PSYB20F Developmental Psychology** 2L-1T-L-MW10/M7-9E

**Term:** Half

**Course**

**Prerequisite:** None

**Instructor:** Ross

**PSYB30F Personality** 3L-R7-10E

**Term:** Half

**Course**

**Prerequisite:** PSYB03

**Corequisites:** Ruba

**Instructor:** Ruba

**PSYB30S Abnormal Psychology** 3L-MWR

**Term:** Half

**Course**

**Prerequisite:** PSYB03 and PSYB30

**Corequisites:** None

**Instructor:** Efran

**PSYB32F Abnormal Psychology** 3L-MWR

**Term:** Half

**Course**

**Prerequisite:** PSYB03

**Corequisites:** None

**Instructor:** Efran

This course addresses itself to such questions as whether the effects of belonging to a group are a person's behavior, what is the basis of power and the nature of leadership, and what are the causes of abnormal behavior. The conceptual problem of defining abnormality and conceptualizing it in terms of various theories and models will be emphasized.
PSYB32S Abnormal Psychology 3L.R7-10E
Term Half Course Prerequisites: PSYA01Y; one B-level course in Psychology
Corequisites: None
Instructor: Kukla
PSYB40F Learning 2L: M2W5, 3P: R10-1
Term Half Course Prerequisites: PSYA01Y; one B-level course in Psychology
Corequisites: None
Instructor: Biederman
PSYB41S Operant Conditioning 2L: M2W5, 3P: R10-1
Term Half Course Prerequisites: PSYB04
Corequisites: None
Instructor: Biederman
PSYB50F Sensation 2L: M12T11, 3P: W2-5
Term Half Course Prerequisites: PSYB01
Corequisites: None
Instructor: Kennedy
PSYB51S Perception 2L: M12T11, 3P: W2-5
Term
Half Course Prerequisites: PSYB05
Corequisites: None
Instructor: Kennedy

Half Course PSYB56F Man and Machines 3L.MTR3
Term Half Course PSYB60F Physiological Psychology 2L: M10T2, 2P: R3-5
Term Half Course PSYB61S Physiological Mechanisms of Motivation and Learning 2L: M10T2, 2P: R3-5

The course is divided into two parts. Part one covers physiological control over so-called motivated behaviors; including topics such as feeding and drinking, thermoregulation, sleep, sexual behavior, arousal and language. Part two cover the physiological basis of learning.

Prerequisites: PSYB60
Corequisites: None
Instructor: Miligram
PSYC22F Socialization Processes
2L: T1W12, T2R1/R2
Covers the processes by which an individual becomes a member of a particular social system (or systems). The course is divided into three sections: general theoretical perspectives and related research; development of specific social behaviors (e.g., aggression, altruism); re-socialization, the modification of deviant behavior using various techniques. Material will be drawn from both Social and Developmental Psychology. Limited enrollment — 25.
Prerequisites: PSYB10, PSYB20
Corequisites: None
Instructor: Dion

PSYC325 Current Topics in Personality
2L: W10-12
Review of current research in special areas. Limited enrollment — 60
Term Half Course
Corequisites: PSYB03 or PSYB30; one additional B-level course in Psychology
Prerequisites:

PSYC33F Personality and Social Interaction
3L: M1T4R12
An intensive examination of related areas of research in personality and social interaction. In 1972-73 this course will deal primarily with the area of nonverbal behavior and its relation to social interaction. Among the topics to be considered are nonverbal communication, human territorial behavior, and interpersonal attraction. Limited enrollment — 25.
Prerequisites: PSYB03 or PSYB30; one B-level course in Psychology
Corequisites: None
Instructor: Efran

[PSYC40S Current Topics in Animal Learning]
Course not offered in 1972-73. A review of recent developments in animal learning with emphasis on discrimination learning and avoidance conditioning.
Term Half Course
Corequisites: PSYB40 or PSYB41
Prerequisites:

[PSYC50S Attention and Performance Theory]
Offered in alternate years; not offered in 1972-73. Recently there has been a renewed emphasis on attention in Psychology, since it has come to be realized that a study of the topic is central to an understanding of the limits on the rate at which humans process information. In this course both qualitative and quantitative approaches will be discussed. A course in Statistical Methods, Mathematics or Physics is recommended to ensure numerical competence.
Prerequisites: PSY401; one B-level course in Psychology
Corequisites: None
Instructor: Moray

PSYC56S Man and Machines Seminar
2L: T3-5, 2P: R3-5
Offered in Alternate Years; offered in 1972-73. An introduction to research methods in human factors Psychology. Students will carry out experimental projects on which their assessment will be based. Possible topics for projects will be the rational design of instrument panels, adaptive training devices to optimise human learning, programming a computer to show simple learning or problem-solving, the role of the human operator in a control system, simulation of vehicle control. Some projects will necessitate learning to program 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.
Prerequisites: PSYB56
Corequisites: None
Instructor: Moray

PSYC80S Foundations of Psychology
3L: M1T1R11
Offered in alternate years; offered in 1972-73. An analysis of selected philosophical issues as they concern the discipline of Psychology and of Psychology's relevance to the problems of Philosophy. Discussed will be such topics as: behaviorism and phenomenology; the mind-body problem; free will and determinism; distinctions, if any, between Psychology and traditional scientific disciplines. Limited enrollment — 20.
Prerequisites: One B-level course in Psychology (PSYB30 recommended); one B-level course in Philosophy (PHIL 39 recommended)
Corequisites: None
Instructor: Kukla

PSYC90F PSYC91F Supervised Readings in Psychology
*ARRANGE WITH INSTRUCTOR
An independent study course designed to permit intensive examination of the literature on a selected topic. Supervision of the programme of reading is arranged by mutual agreement between the student and an interested instructor.
Prerequisites: Three courses in Psychology; permission of instructor
Corequisites: None
Instructor: Members of the faculty

PSYC90S PSYC91S Supervised Readings in Psychology
*ARRANGE WITH INSTRUCTOR
[MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS PSYC90F AND PSYC91F] An independent study course designed to permit intensive examination of the literature on a selected topic. Supervision of the programme of reading is arranged by mutual agreement between the student and an interested instructor.
Prerequisites: Three courses in Psychology; permission of instructor
Corequisites: None
Instructor: Members of the faculty
PSYC92F
PSYC93F

Supervised Research in Psychology

*ARRANGE WITH INSTRUCTOR

An independent study course designed to permit the exploration in the laboratory or in the field of a selected problem in Psychology. Supervision of the programme of research is arranged by mutual agreement between the student and an interested instructor.

Prerequisites: PSYB07; PSYB09; two additional courses in Psychology; permission of instructor

Corequisites: None

Instructor: Members of the faculty

PSYC92S
PSYC93S

Supervised Research in Psychology

*ARRANGE WITH INSTRUCTOR

[MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS PSYC92F AND PSYC93F] An independent study course designed to permit the exploration in the laboratory or in the field of a selected problem in Psychology. Supervision of the programme of research is arranged by mutual agreement between the student and an interested instructor.

Prerequisites: PSYB07; PSYB09; two additional courses in Psychology; permission of instructor

Corequisites: None

Instructor: Members of the faculty

PSYC98Y

Thesis in Psychology

*ARRANGE WITH CO-ORDINATOR

The course is intended to offer to qualified students the opportunity to engage in a year-long research project under the supervision of an interested member of the faculty in Psychology. The project will culminate in a written report in the form of a thesis and a defense of that report. During the course of the year, at appropriate times, students will meet to present their own research proposals, to appraise the proposals of others and to discuss the results of their investigations.

Prerequisites: Satisfactory completion of 15 year-course equivalents including PSYB07; one laboratory course in Psychology and two additional courses in Psychology; consent of a faculty member in Psychology to serve as research supervisor; PSYB08 is recommended as a pre- co-requisite but not required

Corequisites: None

Co-ordinator: Marx

Students should also consult listing under:
HUMB13 Contemporary Cultures in Question
LINB05 Psycholinguistics
NSCB01 Behaviour Biology: Seminar in Psychobiology

Religious Studies

Religious Studies is an interdisciplinary area which, at present, consists of the following courses:

- ANT B02 Anthropology of Religion
- ANT C02 Systems of Thought
- CLA B21 Greek and Roman Religion
- CLA B23 Christianity in the Greco-Roman World
- HIS B27 Europe 400-1100
- HIS B42 Church-State relations in Canada
- HSC C22 Religion and English Society
- HUMB B10 Utopia
- PHB B56 Philosophy of Religion

It is expected that several non-credit seminars in religion will be offered during 1972-73, open to all students, but of special interest to students enrolled in these courses.

Russian

Scarborough College offers a three year programme in Russian language and literature for specialists and non-specialists. Specialist students are either those who have taken Russian in secondary school and wish to continue their Russian studies or they may be those who want to begin specialization in the Russian field at the university level. Language training combines a laboratory method with classroom instruction and conversation. On completing five core subjects (RUS A10, RUS A11, RUS B10, RUS B11 and RUS B21) specialist students can proceed to the fourth year of Russian language and literature in the Department of Slavic Languages and Literature on the St. George Campus. Russian specialists might be advised to take additional Russian courses in excess of the required core subjects during their first three years of study. At the end of their fourth year they may apply to do graduate work within the Slavic Department or in conjunction with the Centre for Russian and East European Studies on the main campus.

Students who wish to study Russian literature and culture without specialization can do so by taking courses in translation. There are also a wide variety of courses relevant to the study of Russian culture offered at the College in Anthropology, Economics, English, History, Humanities, Philosophy, Political Science and Sociology.

RUS A01Y Introduction to Russian Culture and Literature 2L.T1.3

Russian thought, society and literature; intellectual and social evolution as reflected in Russia's artistic creations: eighteenth century to present.

Prerequisites: None

Corequisites: None

Instructor: Ponomareff

RUS A01Y Elementary Russian 3L-MWF 1.P.F10

[MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS RUS A01Y] A course which takes the student from the fundamentals of Russian grammar to conversation, composition and independent reading.
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credit Hours</th>
<th>Term</th>
<th>Course Type</th>
<th>Prerequisites</th>
<th>Corequisites</th>
<th>Instructor</th>
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<tbody>
<tr>
<td>RUSA11Y</td>
<td>Intermediate Russian</td>
<td>3L</td>
<td>MWF3,1P,M4</td>
<td>Full</td>
<td>MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS RUS502</td>
<td>None</td>
<td>Whalen</td>
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<tr>
<td>RUS810Y</td>
<td>Advanced Russian</td>
<td>3L</td>
<td>T3,4R4</td>
<td>Full</td>
<td>MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS RUS503</td>
<td>None</td>
<td>Whalen</td>
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<tr>
<td>RUS811Y</td>
<td>19th Century Russian Literature</td>
<td>2L</td>
<td>F2,4</td>
<td>Full</td>
<td></td>
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<tr>
<td>RUS812Y</td>
<td>Russian Drama</td>
<td>2L</td>
<td>TR,11</td>
<td>Full</td>
<td></td>
<td>Not specified</td>
<td></td>
</tr>
<tr>
<td>RUS821Y</td>
<td>20th Century Russian Literature</td>
<td>2L</td>
<td>TR,10</td>
<td>Full</td>
<td></td>
<td>Not specified</td>
<td></td>
</tr>
</tbody>
</table>

Prerequisites: None
Corequisites: None
Instructor: Whalen

Prerequisites: RUS501 or RUS601
Corequisites: None
Instructor: Whalen

Prerequisites: RUS502 or RUS811 or RUS503 or RUS810
Corequisites: None
Instructor: MacRae

Prerequisites: RUS502 or RUS811 or RUS503 or RUS810
Corequisites: None
Instructor: Schoenberg

Students should also consult listing under:
- ANTB18 Cultural Evolution
- ECOB10 Comparative Economic Systems
- ENGA08 Forms of Twentieth Century Literature
- ENGB11 Varieties of Drama
- ENGB16 Fiction 1832-1900
- ENGB31 Modern Drama
- GEHB02 20th Century Prose
- HISB07 Russia Since the Ninth Century
- HISC17 European Society and Culture between the World Wars
- HUMB01 Emergence of Modern Prose
- HUMB02 Guilt and Conscience in Post-World War II Literature
- HUMB15 Nineteenth-Century Poetry: Aestheticism
- LIND07 Social Linguistics
- PHILB52 The State and the Citizen
- PHIHB60 Philosophy in Literature
- PHILC55 Marx and Marxism
- SOSC01 Politics and Society in the U.S.S.R.
- POLB03 Modern Political Thought
- POLC03 Marxism-Leninism
- SOSC12 The Sociology of Revolution
Sociology
Sociology is the scientific study of the process 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 the ways in which people organize their interactions, why and how different social groups form, how they are maintained and why they break up, how society is ordered and how it functions, what accounts for social cohesion, 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 scientific study of the social phenomena.

SOCA01Y Introduction to Sociology
3L: T110T/11W5/T7.10E
[MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS SOCA013] An introduction to the basic concepts, principles and methods of Sociology as a discipline for the study of society. Major topics studied include the nature of social groups, social processes, culture, social structure, socialization, deviant behaviour, population, community, stratification, social institutions and social change.
Prerequisites: None
Corequisites: None
Instructor: Germon

SOCA02Y Contemporary Society
2L: 1T L: (full term only)/T2W12
Full
Course
Our subject matter is contemporary society, with emphasis on Canada. We will apply basic methods and principles of Sociology to achieve a better understanding of the social structure and functioning of contemporary society, concentrating on topics which students will choose from their own interests. Emphasis is on student initiative and responsibility; formal lectures in this course cease in November. Students will conduct research projects as individuals or teams and will report their progress at seminars in which faculty act as resource persons. The course is conducted, and projects are marked within a general set of rules, of which copies are available in advance. The final form of presentation of a project may be as a written essay, or a voice tape, drama, novel, film, television tape or other approved format.
Prerequisites: None
Corequisites: None
Instructor: Lee

SOCA03Y Principles of Sociology
2L: 1T L: M12W71
Full
Course
[MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS SOCA01] An introduction to Sociology by means of basic concepts and their applications to the study of society: interaction, groups, social systems, socialization, stratification, collective processes, social change, etc. Stress will be on the development of basic propositions and generalizations concerning the nature of social life.
Prerequisites: None

SOCB01Y Methods of Social Research
2L: MW2,2P: M3:5/W3.5
Full
Course
Course aims to introduce students to research design, data collection and analysis. Laboratory sessions will introduce students to computer programming, elementary statistics, graphics and library research. Students will be required to design and execute suitable projects as an important part of their term work. Limited enrolment is 30.
Prerequisites: One previous course in Sociology
Corequisites: None
Instructor: Beals

SOCB02Y Structure of Interpersonal Relations
2L: (full term only)/M7E7E7,1T: M6/E6/W6/E6/W6/E6
Full
Course
Our subject matter is the nature of personal relationships involved in such social forms as the family, education, work, love and marriage, friendship and play. The aspects considered include sexual intimacy, alienation, acquaintance, self-disclosure and interpersonal conflict, to name only a few examples. This is a research course; formal lectures cease in November. Students select their own project topics as individuals or teams and are responsible for their own progress within the general rules of the course. (Copy of rules available on request.) Faculty act as resource persons within a framework of voluntary seminars. The final form of presentation of projects may be as a written essay, or voice tape, drama, novel, film, television tape or other approved format.
Prerequisites: One previous course in Sociology
Corequisites: None
Instructor: Lee

SOCB03Y History of Social Thought
2L: T1012,1T: W2
Full
Course
This course is concerned with the development of Sociology and with the works of particular sociologists whose concepts not only have historical interest but also have relevance to contemporary Sociology.
Prerequisites: One previous course in Sociology
Corequisites: None
Instructor: O'Toole

SOCB04Y Political Sociology
2L: TW5,1T: T12
Full
Course
Political Sociology is the study of the interrelationship between society and polity, between social structures and political institutions. The first part of the course deals with the literature of Political Sociology from Marx to the present; the latter part of the course with the Canadian policy in particular. Limited enrolment.
Prerequisites: None
Corequisites: None
Instructor: DeLaney
SOCB05Y Urban Sociology 2L,1T L:WF10
Full Course
Examines the city both as a significant development in world civilization and as a working mechanism guided by contemporary policies and studies human behaviour in its multifaceted relations with the urban environment.
Prerequisites: One previous course in Sociology
Corequisites: None
Instructor: Howell-Lee

SOCB10Y Social Stratification 2L,R7-9E,1T,R9E
Full Course
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.
Prerequisites: One previous course in Sociology
Corequisites: None

SOCB12Y Sociology of the Family 2L,M4F12,1T,R11/R2/F3/F4
Full Course
The sociological study of the family in contemporary western society, with special emphasis on its historical development, social forces which have influenced it, interrelationship with other institutional forms, the family as a small group, the family life cycle, family disorganization and family change.
Prerequisites: One previous course in Sociology
Corequisites: None
Instructor: James

SOCB13Y Canadian Society 2L,TR11,1T,F9/F10/F11
Full Course
A sociological analysis of Canadian society, with emphasis on its changing structure.
Prerequisites: One previous course in Sociology
Corequisites: None
Instructor: DeLanoy

SOCB16Y Social Change 2L,R10-12,1T,W10/W11
Full Course
A sociological analysis of forms of change, such as industrialization, modernization, urbanization, and their consequences for the structure and function of contemporary society.
Prerequisites: One previous course in Sociology
Corequisites: None
Instructor: O'Toole

SOCB18Y Sociology of Deviant Behaviour 2L,TF3,1T,W5/F1/F2/F12
Full Course
A sociological analysis of various forms of deviant behaviour, including an examination of causal theories, social definitions, maintenance, control and social consequence.
Prerequisites: One previous course in Sociology
Corequisites: None
Instructor: James

SOCB20Y Ethnic and Race Relations 2L,MW11,1T,T12/T2/F4
Full Course
Ethnic and racial groups are involuntary groups within society which accord them differential statuses. The course focuses on the problem of stereotyping and prejudice, on social mobility and 'civil rights' movements as processes of change of ethnic status, maintenance of ethnic identity and conflict and continuity between ethnic generations. Particular reference will be given to societal integration especially as it bears upon the question of Canadian bilingualism and multiculturalism.
Prerequisites: One previous course in Sociology
Corequisites: None
Instructor: Irajw

SOCC01Y Small Groups 2L,F9-11,1T,F3
Full Course
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 a seminar, the second term as an academic self-analytic group. The method in the first term will be class reports and discussions, in the second term, participation in group task performance supplemented by regular reading and written reports. Limited enrolment 15.
Prerequisites: Two previous courses in Sociology, one of which must be a B-level course
Corequisites: None
Instructor: Irajw

SOCC02F Complex Organizations 2L,W7-9E,1T,I9E
Full Course
The course will deal with complex organizations, with special emphasis on relationships among them and the bearing of these relationships upon the structure of power in society. Materials will be drawn from Canadian and comparative contexts. Limited enrolment 15.
Prerequisites: Two previous courses in Sociology, one of which must be a B-level course
Corequisites: None
Instructor: Howard

SOCC03F Collective Behaviour 2L,R6-8E,1T,R8E
Full Course
This course is concerned with 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.
Prerequisites: Two previous courses in Sociology, one of which must be a B-level course
Corequisites: None
Instructor: O'Toole

SOCC05Y Special Problems of Sociological Theory 2L,T3,1T,R4
Full Course
A seminar with emphasis on intensive study of selected basic ques-
Sociology historically underlying sociological thinking such as the problem of order and integration of society, processes of social mobility, solidarity formation and social and cultural change with reference to contemporary society. Limited enrolment — 15.
Prerequisites: SOCC303
Corequisites: None
Instructor: Howard

**SOCC06S** Sociology of Industrialization 2L.R10-12,1T-M11
Alternative approaches to the study of industrial development, its genesis and its social implications will be considered. Case materials from both historical and contemporary contexts will be used by members of the seminar in critically evaluating these theoretical approaches. Limited enrolment — 15.
Prerequisites: Two previous courses in Sociology, one of which must be a B-level course
Corequisites: None
Instructor: Howard

**SOCC07F** Occupations 2L.R11-1,1T-F3
The relation of man to his occupations in contemporary society, including such topics as occupational choice in a changing society, conceptions of work and leisure, mobility and career patterns and professionalization. Limited enrolment — 15.
Prerequisites: Two previous courses in Sociology, one of which must be a B-level course
Corequisites: None
Instructor: Gerson

**SOCC08H** Sociology of Education 1L.R2,1T-R3
The course will examine traditional and modern theories of education and learning within the context of the social systems in which these theories occur. Students will conduct research projects individually or in teams. Limited enrolment — 15.
Prerequisites: Two previous courses in Sociology, one of which must be a B-level course
Corequisites: None
Instructor: Lee

**SOCC12F** Sociology of Revolution 2L.R9-11,1T-F2
What is specifically revolutionary in a revolution is the fact that a group of people, large or small, well organized or loosely joined, is consciously attempting to bring about a radical change in the lives of all the people in society. The seminar will begin with a theory of revolution which consequently will be applied to examine empirical instances of the phenomenon, e.g., the Mexican Revolution, The Russian Revolution, The American Revolution, including such events as the Winnipeg General Strike, the 1968 Paris Student Revolt and the FLQ crisis. Limited enrolment — 15.

**SOCC15F** Demography of Canadian Society 2L.R1-3
Application of basic demographic techniques to the study of Canadian society: population trends, composition, distribution, Canadian population problems, etc. Limited enrolment — 15.
Prerequisites: Two previous courses in Sociology, one of which must be a B-level course
Corequisites: None
Instructor: DeLanney

**SOCC20S** Sociology of Religion 2L.R2-4,1T-F10
A sociological analysis of religion as a social institution, religious behaviour and contemporary trends. Limited enrolment — 15.
Prerequisites: Two previous courses in Sociology, one of which must be a B-level course
Corequisites: None
Instructor: Howell-Lee

**SOCC22S** Sociological Analysis: Qualitative Methods 2L.R11-1,1T-F3
Systematic analysis of basically non-statistical or qualitative materials. The craftsmanship of research. The problems, limitations and techniques of sociohistorical analysis, content analysis and methodology for the study of non-academic materials from non-scholarly sources. Limited enrolment — 15.
Prerequisites: SOCA01; one B-level course in Sociology
Corequisites: None
Instructor: Gerson

**SOCC24S** The Changing Canadian Family 2L.R10-12,1T-M9
Examination of the major changes in the structure of the Canadian family and their consequences for family life. Limited enrolment — 15.
Prerequisites: Two previous courses in Sociology, one of which must be a B-level course
Corequisites: None
Instructor: James

**SOCC39Y** Independent Studies
Designed primarily for fourth year students who wish to concentrate on a specific area of Sociology. Individual consultation and the preparation of a research paper required. Limited enrolment — 15.
Prerequisites: Permission of instructor
Corequisites: None
Instructor: Members of the faculty
Social Science

SOSA01F Quantitative Methods in Social Science 2L, 1T L: TR10 [MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS MATB32 AND PSYB07] This course introduces basic statistical methods with applications primarily to the Social Sciences. Students in Economics, and Political Science should note that this course is a prerequisite to certain courses in those fields. No students will be admitted after the third lecture.

Prerequisites: None
Corequisites: None
Instructor: Sawyer

SOSB02Y The Indian Sub-Continent: Contemporary Problems 2L: T7, 9, T7: T9E

Major problems of modernization and tradition in the Indian Subcontinent. Topics will include: types of mobilization and aspects of politicization of society; economic planning; social reform; geographical identity and definition; linguistic policy; institutional developments.

Prerequisites: One previous course in Social Science
Corequisites: None
Instructor: Tayeb; Howard

SOSB045 Social Choice and Collective Action: Positivist and Normative Theories of the Public Sector 2L: M1FT

Two questions will motivate the study of social choice and collective action: (1) what conditions in fact lead to a demand for collective control over individual actions? After a review of collectivist and individualist ideologies we will study methods of reconciling competing individual demands upon the public and private sectors. Representative democracy will receive special attention. Several theories of property will be explored. The logic of collective action will be discussed in general. Finally, the strategy of conflict will be examined and two special problems, tariff and disarmament negotiations will come under scrutiny.

Prerequisites: Any course in the Social Science Division or in Philosophy
Corequisites: None

Students should also consult listing under:
NSCA03 Quaternary Environments and Man.

Spanish

Students enrolling in Spanish at Scarborough College are offered a wide range of courses in the Spanish language and in Peninsular and Spanish-American literature. Those without Grade 13 Spanish or equivalent are required to take SPAA01, B04, and B05 in their first year. Those with Grade 13 Spanish or SPAA01 continue their study of the language with SPA 002, B04, B06, and B07. At the same time they may also enrol in some of the courses in nineteenth and twentieth century literature, or in SPA 003 which is the pre- or corequisite for most other literature courses.

Students who intend to specialize in Hispanic Studies are advised, in general, to consider each of the following areas: History of the Language and Stylistics, Medieval, Golden Age, Modern, and Spanish-American literature. In addition to the courses in these areas listed below, two offerings in Humanities deal directly with specific aspects of Hispanic literature: HUMB13 and HUMC01. Courses given in such fields as History, Fine Art, Linguistics, Philosophy, and in other literatures may also prove directly valuable to the student as adjuncts to his plan of study or as an enrichment of his total programme. Of particular relevance to the student with interdisciplinary interests are courses in Latin American Area Studies and the programme in Drama.

All students enrolled in Spanish, some of whom may later wish to go to the College 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.

Part-time students who cannot meet the corequisite requirements in Spanish language courses are advised to take these courses in the following sequence: Spanish A01, B04, B05, B02, B07, B06.

SPAA01Y Introductory Spanish 3L, 1P, T7 L: MWF1/MWF2/MWF3/M7-10E, P: M9/M10/W9/W7-9E [MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS SPA001] A course in basic grammar and syntax. Instruction in spoken and written Spanish and rapid comprehension of idiomatic speech with the aid of a co-ordinated laboratory programme.

Prerequisites: None
Corequisites: SPA004 or SPA005


Prerequisites: SPA001 or SPA004 or Grade 13 Spanish
Corequisites: SPA004 or SPA005 or SPA006
Instructor: Maillard

SPAB03S Pre-Literary Examination of Texts 3L-T7-10E [MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS SPA003] Preparation in the basic elements of Spanish stylistics and in the rapid reading and comprehension of texts of various periods and subject matter.

Prerequisites: SPA002 or SPA003
Corequisites: None
Instructor: Bart
<table>
<thead>
<tr>
<th>Course</th>
<th>Term/Full-Course</th>
<th>Title</th>
<th>Prerequisites</th>
<th>Corequisites</th>
<th>Instructor</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPA04F</td>
<td>[MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS SPA004] 1L-M11/M3,2P-W5/F4/T4R5</td>
<td>Phonetics</td>
<td>Principles of articulatory phonetics; fundamentals of Spanish speech sounds; intensive practice in their production and transcription.</td>
<td>None</td>
<td>Jamey Dickson</td>
</tr>
<tr>
<td>SPA05S</td>
<td>3L-M5/B10/M12W4F12</td>
<td>Conversation</td>
<td>[MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS SPA005] This course is designed to give the student intensive practice in spoken language through controlled situational oral practice, discussion groups and the passive comprehension of the speech of major Spanish linguistic areas.</td>
<td>SPA001 or SPA004</td>
<td>None</td>
</tr>
<tr>
<td>SPA06F</td>
<td>2L-T24/1T/R2</td>
<td>Conversation</td>
<td>[MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS SPA006] This course is designed to continue on a more advanced level the intensive practice in spoken Spanish begun in SPA05.</td>
<td>SPA004</td>
<td>None</td>
</tr>
<tr>
<td>SPA07S</td>
<td>3L-T2R2F3</td>
<td>Intermediate Syntax and Composition</td>
<td>[MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS SPA007] This course is designed to give the student intensive practice in effective writing and a reasonable degree of naturalness in the use of idiomatic Spanish.</td>
<td>SPA002 or SPA003</td>
<td>None</td>
</tr>
<tr>
<td>SPA01Y</td>
<td>[MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS SPA001] 3L-M1W9F9</td>
<td>Survey of Spanish Literature</td>
<td>Reading, analysis and discussion of Peninsular Spanish literature from the twelfth to the twentieth centuries, with the object of acquainting the student with the major literary movements of each period, the authors and their works.</td>
<td>SPA003 or SPA004</td>
<td>Berta Mathis</td>
</tr>
<tr>
<td>SPA12S</td>
<td>[MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS SPA012]</td>
<td>History of the Spanish Language</td>
<td>Course not offered in 1972-73. The Pre-Roman, Roman, Visigothic and Moorish civilizations in Spain; the growth of the Spanish language from Latin, the evolution of its phonology, morphology, syntax and vocabulary.</td>
<td>SPA004 or SPA004</td>
<td>None</td>
</tr>
<tr>
<td>SPA13F</td>
<td></td>
<td>Romanticism</td>
<td>The origin and growth of the Romantic movement in Spain; its relationship to Neo-Classicism and the Spanish tradition; a detailed study of the works of its principal exponents.</td>
<td>SPA001 or SPA004</td>
<td>None</td>
</tr>
</tbody>
</table>
[SPAB26S] Golden Age Poetry
Course not offered in 1972-73. Study of the major poets of the Golden Age from Garcilaso to Gongora.
Term: Fall
Half-Course: Corequisites: SPAB02 or SPA002

SPA27F The Poetry and Theatre of García Lorca
The following major aspects will be examined: (a) Lorca's early poems; (b) The Romancero Gitano; (c) Poetic comedies and tragedies; (d) Short plays and farces.
Term: Fall
Half-Course: Prerequisites: SPA003 or SPA003
Corequisites: None
Instructor: León

[SPAB28F] Spanish American Literature: A Survey
Course not offered in 1972-73. Study of the main currents of Spanish American literature from colonial times to 1850. Special attention will be paid to the fundamental economic, social and cultural factors of the periods under consideration. Reading, analysis and discussion of selected texts.
Term: Fall
Half-Course: Prerequisites: SPA001 or SPA001
Corequisites: SPA002 or SPA002

SPAB29F Spanish American Literature
3L-T7-10E
Short Story: history of the Spanish cuento; examination of short stories by Spanish and European authors in order to attempt a definition of the short story; reading, analysis and discussion of the various forms of the Spanish American short story.
Term: Fall
Half-Course: Corequisites: None
Instructor: León

SPAB30S Spanish American Literature: The Novel of the Mexican Revolution
3L-T7-10E
A study of the various types of novels written in Mexico from 1910 to the present time. Attention will be paid to the fundamental economic, social and cultural aspects of the Revolution.
Term: Fall
Half-Course: Prerequisites: SPA001 or SPA001
Corequisites: None
Instructor: León

[SPAB31Y] The Latin American Novel
Course not offered in 1972-73. A study of the main Novelistic currents in Latin America in the nineteenth and twentieth centuries. Three major groups of novels will be studied: (a) Regional, indianist; (b) Revolutionary, political; (c) Existential, absurd, psychological.
Term: Fall
Half-Course: Prerequisites: SPAB02 or SPA002
Corequisites: SPA003 or SPA003

SPAC02F Directed Reading
This course is intended for students who have completed SPAB03 or SPA003 and one other B-level Spanish course and who wish to do further work in a specialized area of Hispanic literature. Interested students must contact instructors before registration regarding possible authors or topics of study. Students are required to meet their instructors at least once a week to discuss problems and points of interest arising from their reading and to plan further work.
Term: Fall
Half-Course: Prerequisites: SPA003 or SPA003; one B-level course in Spanish
Corequisites: None
Instructor: Members of the faculty

SPAC03S Directed Reading
The same as SPAC02.
Term: Fall
Half-Course: Prerequisites: SPA003 or SPA003; one B-level course in Spanish
Corequisites: None
Instructor: Members of the faculty

Students should also consult listings under:
HUMB15 19th Century Poetry: Aesthetics
HUMC01 Lyric Poetry of the Middle Ages in the Mediterranean Area
Summer Evening Session 1972

A schedule of twenty-five courses is to be offered this session - seventeen full-courses and eight half-courses. Each of the courses has a class twice a week on either Monday and Wednesday or Tuesday and Thursday starting at 7:00 p.m.

Regulations

Information relating to admission, registration, degree regulations and fees will be found in the appropriate sections on this Calendar. Please check the academic Calendar at the beginning of this book for information concerning dates by which withdrawal from courses may be effected without academic penalty, and also dates by which course changes must have been made.

Refunds

Full Courses: Withdrawal effected between first day of classes and June 30th - refund $47.50.
Withdrawal effected on or after 1 July - no refund.

Half-Courses: No refund.

The Courses

The letter 'Y' after a course abbreviation, indicates that the course is a full-course, yielding one whole credit. The letter 'F' after a course, indicates a half-course given in the first half of the session, yielding one half-credit; the letter 'S' after a course indicates a half-course given in the second half of the session, yielding one half-credit.

'Y' courses begin on Monday 15 May and end on Thursday 10 August 1972.
'F' courses begin on Monday 15 May and end on Thursday 22 June 1972.
'S' courses begin on Tuesday 4 July and end on 10 August 1972.

The Examination period begins on Monday 14 August and ends on Friday 18 August 1972.

If you have any enquiries relating to the Summer Evening Extension Programme, please call 284-3127.

Facilities for Summer Evening Extension Students

Library
Summer Evening Session Hours:
Mondays through Thursdays - 9:00 a.m. to 10:00 p.m.
Fridays - 9:00 a.m. to 5:00 p.m.
Saturdays and Sundays - Closed.

Bookstore
Summer Evening Session Hours:
May 15, 16, 17, 18 - 9:00 a.m. to 9:00 p.m.
May 19 - 9:00 a.m. to 5:00 p.m.
May 22, Victoria Day - Closed.
May 23, 24, 25 - 9:00 a.m. to 9:00 p.m.
May 26 - 9:00 a.m. to 5:00 p.m.

Thursdays, every Monday and Thursday (except July 3 - Dominion Day observance and August 7 - Civic Holiday) 9:00 a.m. to 9:00 p.m.; every Tuesday, Wednesday and Friday - 9:00 a.m. - 5:00 p.m.

Parking

For the Summer Evening Session, students may park their cars free of charge in the College parking lots.
Sport
Summer Session students are invited to use the recreational facilities of Scarborough College. Four tennis courts, an archery range, a golf range, an outdoor volleyball court and two playing fields are available. Organized recreational activities such as a sailing club, a tennis club, and tennis and golf tournaments are included in the summer programme. Change room facilities and equipment for free play are also available to participants. For further information, please call 284-3121.

Counselling
It is the responsibility of students to ensure that they register in courses, the combination of which comply both with course pre- and corequisite requirements and also with the degree regulations. The Office of the Associate Dean and Registrar is happy to assist you in these and any other matters.

In addition to its regular hours of 8-4:45 a.m. - 5:00 p.m., the Office of the Associate Dean and Registrar will be open for counselling from 6:00 p.m. to 8:30 p.m. on the following evenings in 1972:
- From 4 July to 26 July - Tuesdays and Wednesdays
- From 15 May to 29 June - Mondays, Tuesdays, Wednesdays
- From 4 April to 10 May - Tuesday and Wednesdays
- From 4 July to 26 July - Tuesdays and Wednesdays
Call 284-3922 for appointments, or drop in.

Timetable
(Course descriptions may be found in the appropriate section of this Calendar).

<table>
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<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tr>
<td>ANIM1Y</td>
<td>Introduction to Physical Anthropology</td>
<td>Mon.</td>
</tr>
<tr>
<td>BIO11Y</td>
<td>Human Physiology (Human Biology)</td>
<td>Tues.</td>
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<td>General Chemistry</td>
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<td>Canadian Literature in English</td>
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<td>ENG21Y</td>
<td>Major American Authors</td>
<td>Tues.</td>
</tr>
<tr>
<td>ENGL21Y</td>
<td>Paradise Lost</td>
<td>Mon.</td>
</tr>
<tr>
<td>FAR10Y</td>
<td>Introductory Workshop in Colour and Design</td>
<td>Mon.</td>
</tr>
<tr>
<td>FRE21Y</td>
<td>Language Practice</td>
<td>Wed.</td>
</tr>
<tr>
<td>GGR105Y</td>
<td>Introduction to Geography</td>
<td>Tues.</td>
</tr>
<tr>
<td>GLRA06Y</td>
<td>Environmental Analysis</td>
<td>Tues.</td>
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<td>The Geography of Underdeveloped Areas</td>
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<td>HSB45Y</td>
<td>Ontario History, the 19th Century</td>
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<td>Ethics</td>
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<td>SOCC21Y</td>
<td>The Changing Canadian Family</td>
<td>Tues.</td>
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Winter Evening Session 1972-73
The Scarborough College timetable runs from 9:00 a.m. to 10:00 p.m. It is College policy that the section of a course offered in the evening should normally have the same number of hours of instruction as the day section of that course. Part-time students who wish to take courses at Scarborough College are able to request enrolment in any course, whether it be timetabled in the day or evening, without petition. It is possible that some courses may be over-enrolled. In such cases, the College policy in registering students is by academic seniority and thereafter by a process of selection. Because of this flexibility of course enrolment offered to Part-time students, it is essential that in registering for their courses, students specify, quite clearly, whether they wish to enrol in day or evening sections of courses. Tutorial sections of classes will be arranged with Part-time students at the first lecture of each course concerned. Please note that while every attempt will be made to accommodate students as they request, we cannot guarantee to register students in the exact sections of their choice. Full-time students will be given preference over Part-time students in day sections, and Part-time students will be preferred over Full-time students in evening sections. The timetable for each course appears with its listing in the course description section of this Calendar. Classes commencing at 6:00 p.m. or later are labelled with an 'E' in the timetable. When you register for a course, state only whether you wish to attend the Day or Evening sections of a course. Specific section assignment will take place at a later date.

For your convenience, a list of all courses which have sections commencing at 6:00 or later is reproduced below. The actual time of the classes, the course descriptions and the pre- and corequisite requirements will be found in the course description section of this Calendar.

Courses with classes beginning at 6:00 p.m. or later:

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<tr>
<th>Course Code</th>
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<tbody>
<tr>
<td>ANT101Y</td>
<td>Introduction to Anthropology</td>
<td>Tues.</td>
</tr>
<tr>
<td>ANTB02S</td>
<td>Anthropology of Religion</td>
<td>Tues.</td>
</tr>
<tr>
<td>ANTB04F</td>
<td>The Canadian Indian</td>
<td>Tues.</td>
</tr>
<tr>
<td>ANTB06F</td>
<td>Cultures of Oceania</td>
<td>Tues.</td>
</tr>
<tr>
<td>ANTB11S</td>
<td>Man in the Holocene</td>
<td>Tues.</td>
</tr>
<tr>
<td>ANTB14F</td>
<td>Human Evolution</td>
<td>Tues.</td>
</tr>
<tr>
<td>ANTB15F</td>
<td>Introduction to Political and Economic Anthropology</td>
<td>Tues.</td>
</tr>
<tr>
<td>BIOA03Y</td>
<td>Introduction to Biology</td>
<td>Tues.</td>
</tr>
<tr>
<td>BIOB11Y</td>
<td>Animal Populations and Evolution</td>
<td>Tues.</td>
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<td>Tues.</td>
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<tr>
<td>Code</td>
<td>Title</td>
<td>Day</td>
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<tr>
<td>CASA01Y</td>
<td>Introduction to Canadian Studies</td>
<td>Monday</td>
</tr>
<tr>
<td>CLA802Y</td>
<td>Greek and Roman Tragedy</td>
<td>Wednesday</td>
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<tr>
<td>COMA01Y</td>
<td>Financial Accounting</td>
<td>Tuesday</td>
</tr>
<tr>
<td>COMB21F</td>
<td>Management Accounting</td>
<td>Tuesday</td>
</tr>
<tr>
<td>COMB22S</td>
<td>Information Systems and Control</td>
<td>Tuesday</td>
</tr>
<tr>
<td>ECOA01Y</td>
<td>Introduction to Economics</td>
<td>Wednesday</td>
</tr>
<tr>
<td>ECOB04Y</td>
<td>European Economic History</td>
<td>Monday</td>
</tr>
<tr>
<td>ECOB11S</td>
<td>Money and Banking</td>
<td>Thursday</td>
</tr>
<tr>
<td>ENGB02Y</td>
<td>Chaucer</td>
<td>Thursday</td>
</tr>
<tr>
<td>ENGB12Y</td>
<td>English Drama to 1642</td>
<td>Monday</td>
</tr>
<tr>
<td>ENGB16Y</td>
<td>Fiction 1832 - 1900</td>
<td>Tuesday</td>
</tr>
<tr>
<td>ENGCO8Y</td>
<td>Studies in Twentieth Century Literature</td>
<td>Tuesday</td>
</tr>
<tr>
<td>FARB10Y</td>
<td>Introductory Workshop in Colour and Design</td>
<td>Monday and Wednesday</td>
</tr>
<tr>
<td>FREA01Y</td>
<td>Preparation for University French Studies</td>
<td>Monday and Thursday</td>
</tr>
<tr>
<td>FREB44F</td>
<td>Intellectual Explosion: The French “Philosophers” in the Age of Enlightenment</td>
<td>Thursday</td>
</tr>
<tr>
<td>FREB45S</td>
<td>French Literature in the Age of Enlightenment</td>
<td>Thursday</td>
</tr>
<tr>
<td>GERB17Y</td>
<td>German Novel from Goethe to Grass</td>
<td>Wednesday</td>
</tr>
<tr>
<td>GGRA09S</td>
<td>Introduction to Geography: Spatial Analysis</td>
<td>Monday</td>
</tr>
<tr>
<td>GGRB01Y</td>
<td>Geography of Resources</td>
<td>Wednesday</td>
</tr>
<tr>
<td>GGRB02Y</td>
<td>Analytical &amp; Quantitative Methods</td>
<td>Tuesday</td>
</tr>
<tr>
<td>GGRB03Y</td>
<td>Climatology</td>
<td>Thursday</td>
</tr>
<tr>
<td>GGRB06Y</td>
<td>The Geography of Economic Activities</td>
<td>Tuesday</td>
</tr>
<tr>
<td>GGRC04S</td>
<td>Urbanization in Ontario</td>
<td>Monday</td>
</tr>
<tr>
<td>GRIB00Y</td>
<td>History of Greece from 800 B.C. to Death of Alexander</td>
<td>Monday</td>
</tr>
<tr>
<td>HISAO1Y</td>
<td>The European World: An Introduction to History</td>
<td>Tuesday</td>
</tr>
<tr>
<td>HISB01Y</td>
<td>Britain 1485-1960; from Medieval Kingdom to Welfare State</td>
<td>Wednesday</td>
</tr>
<tr>
<td>HSB05F</td>
<td>Canadian History to 1867</td>
<td>Monday</td>
</tr>
<tr>
<td>HISB06S</td>
<td>Canadian History since Confederation</td>
<td>Monday</td>
</tr>
<tr>
<td>HUMB47Y</td>
<td>Ontario History, the Nineteenth Century</td>
<td>Tuesday</td>
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Please note that all information contained in this Calendar is correct at the time of going to press, and is subject to change.

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Art Direction: R.K. Rispeth
Photography: David Harford
Printing: Yorkville Press Co. Ltd.
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