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The Academic Calendar

1971

April 3 Last day for new and special students to apply for admission to the Summer Evening Extension Session.

April 1 Last day for receipt of applications for Early Admission to the September 1971-72 Full-Time Session. (Current Ontario Grade 13 students only are eligible for Early Admission.)

April 9 Good Friday (all classes cancelled).

April 17 No classes after this date. All term assignments should be completed by this date.

April 19 Annual examinations begin.

May 1 Last day for acceptance of registration forms for the Summer Evening Extension Session. After this date, a late fee of $10.00 is charged, until May 6.

May 7 Annual examinations end.

May 8 Last day for acceptance of registration forms for the Summer Evening Extension Session with the $10.00 late fee. After this date, a late fee of $20.00 is charged, until May 15.

May 15 Last day for acceptance of registration forms for the Summer Evening Extension Session with the $20.00 late fee. No registrations for this session are permitted after this date.

May 17 Summer Evening Extension classes begin ('Y' and 'F' courses).

May 24 Victoria Day (all classes cancelled).

May 26 Last day for making a change in a Summer Evening Extension Session 'F' course.

May 31 Last day for making a change in a Summer Evening Extension session 'Y' course.

June 1 Last day for receipt of applications from candidates seeking admission to the regular Full-Time Session September 1971-72.

June 1 Last day for former students, not in attendance at the 1970-71 session, to apply to re-register in the session September 1971-72.

June 1 Last day for students to request to transfer from Part-Time to Full-Time studies.

June 3 Last day for Full-Time students to request a College Transfer.

June 11 Scarborough College Commencement - 10:30 a.m.

June 24 First half 'F' half-courses in the Summer Evening Extension Session end.

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

July 1 Dominion Day (all classes cancelled).

July 8 Summer Evening Extension Session 'S' courses begin.

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

July 14 Last day for making a change in a Summer Evening Extension Session 'S' course.

July 30 Last day for withdrawal without academic penalty from a Summer Evening Extension Session 'S' course.

August 1 Last day for receipt of applications from candidates seeking admission to the Winter Evening Extension Session.

August 2 Civic Holiday (all classes cancelled).

August 13 Summer Evening Extension Session classes in 'Y' and 'S' courses end.

August 16-20 Supplemental and 1971 Summer Session Examinations.

September 6 Labour Day.

September 7 Registration of Full-Time 1st year students, A-K inclusive: 9:00 a.m. to 4:30 p.m.

September 8 Registration of Full-Time 1st year students, L-Z inclusive: 9:00 a.m. to 4:30 p.m.
September 9  Registration of Full-Time 2nd year students and 4th year (Scarborough Campus) students, 9:00 a.m. to 4:30 p.m.

September 10 Registration of Full-Time 3rd year students and 4th year (Scarborough Campus) students, 9:00 a.m. to 4:30 p.m.

September 10 Last day for acceptance of registration forms for the Winter Evening Extension Session without the late fee. After this date, a late fee of $20.00 is charged, until September 18.

September 14 Registration of Full-Time 4th year (St. George Campus) students at Sidney Smith Hall, 9:00 a.m. to 12 noon.

September 14 The late registration fee will be enforced for Full-Time Students after this date.

September 15 Classes for the 1971-2 Academic Year begin at 9:00 a.m.

September 18 Last day for acceptance of registration forms for the Winter Evening Extension Session with the $10.30 late fee. After this date, a late fee of $20.00 is charged, until September 30.

September 30 No registrations for the Winter Evening Extension Session are permitted after this date.

October 11 Thanksgiving Day (all classes cancelled).

October 15 Last day for enrolling in Fall Term Half-Courses and Full-Year Courses.

October 15 Last day for receipt of applications for the University of Toronto In-Course Bursaries.

October 31 Last day for receipt of applications for Ontario Student Awards (OSAP).

November 20 Last day for withdrawal from a Fall Term Half-Course without academic penalty.

November 20 All Full-Time Students must confirm their programmes in person, with the Registrar’s Office by this date. After this date, a late fee of $1.00 per day (maximum $20.00) will be charged.

November 20 Fall Convocation.

December 15 Last day of classes. All term assignments should be submitted by this date.

December 16, 17, 18, 19 Examination period for Fall Term Half-Courses.

December 21 Term ends at 5 p.m.

1972

January 3 Second term begins. Classes commence at 9:00 a.m.

January 15 Last day for receipt of applications for Scarborough College Bursaries.

January 20 The second term installment of fees must be received by this date.

February 1 Last day for enrolling in Spring Term Half-Courses.

February 13-19 Reading Week (all classes cancelled).

February 15 Last day for withdrawal from Fall Term Studies without academic penalty and for transfer from Fall Term Studies to a Part-Time Programme.

February 15 Last day for withdrawal from a Full-Year Course or a Spring Term Half-Course without academic penalty.

March 31 Good Friday (all classes cancelled).

April 7 Last day of classes.

April 14 All term assignments should be submitted by this date.

April 17 Annual examinations begin.

May 5 Annual examinations end.

May 20 University Commencement begins.

June 1 Last day for receipt of applications from candidates seeking admission to the regular Fall-Term Session, September 1972-73.

June 1 Last day for former students, not in attendance at the 1971-72 session, to apply to re-register in the session September 1972-73.

June 1 Last day for students to request to transfer from Part-Time to Full-Time studies.

June 1 Last day for Full-Time students to request a College transfer.
Scarborough College is one of the eight colleges of the University, and all its students are members of the Faculty of Arts and Science, the largest of the twenty-seven schools and faculties in the University. Through the facilities of these eight colleges an enormous and diverse range of academic courses are available to students.

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, has set out to create a distinctive and interesting academic programme. 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 source 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 like of which has not been attempted elsewhere in the University.

Not only does the College embrace the better features of the New Programme of the Faculty; the disappearance of the distinctions between Arts and Science students, between General and Honours students; it, alone among the colleges, has abandoned the year system where-by students were obliged to complete three or four distinct years in proceeding towards their degree. As well as being permitted complete freedom of selection of subjects in their programmes, students may also enrol in courses of varying degrees of seniority and complexity, and are thus able to put together any one of a large number of interdisciplinary programmes.

Under the old programme of the Faculty of Arts and Science, a student was given little freedom but was streamed, in his second year, into an area of concentration. With the tendency away from the old traditional programmes of specialization, and with the vastly greater freedom offered by the New Programme, the student is given an added burden of responsibility. For now, it is he who must decide what and to what degree his area of specialization will be. The College urges, and helps, its members to exercise this responsibility with discretion, and to avail themselves of as much counselling as they need in order to obtain a satisfying and useful degree.

Application, Admission and Registration

Full details of the University of Toronto Undergraduate Admission requirements and application procedures are contained in the Undergraduate Admission Handbook 1971-2 (for students presenting Canadian qualifications) and the Undergraduate Admission Bulletin 1971-2 (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: Through the Division of University Extension at Scarborough College, students are enabled to study for degrees on a part-time basis. As from September 1971, the Scarborough College academic timetable will run each day from 9:00 a.m. to 10:00 p.m. and part-time students may request enrolment 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 through the Division of University Extension at Scarborough College should make application to the Office of Admissions, University of Toronto.

General Admission Requirements

A radical change in entrance requirements becomes effective in 1971. Applicants are strongly advised to consult the publications of the Office of Admissions mentioned above. The basic requirements are listed below.

Basis of Admission

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-four years or over, residents of Ontario for at least one year, who have a sound academic record, will be considered for admission to the Faculty of Arts and Science 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 12 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 $300 per course. A brochure giving additional information is available upon request from the Division of University Extension, 84 Queen's Park, 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, 1971

Last day for receipt of applications to be considered for early admission. (Early admission is offered only to currently enrolled Ontario Grade 12 students wishing to enter full-time study.)

1 April, 1971

Last day for receipt of applications for the Summer Evening Extension Session (not open to students currently enrolled in full-time Ontario Grade 12 courses).

1 June, 1971

Last day for receipt of applications to be considered for the regular full-time programme beginning September, 1971.

1 August, 1971

Last day for receipt of applications from candidates wishing to begin their degree programme as part-time students in the Winter Session beginning September, 1971.

Registration

(a) Full-Time Students

For the session 1971-2, 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 programme during the more leisurely months of July and August. Since enrolment in many courses is severely limited, all students are urged to stake their claims as early as possible. Course changes may be effected at any time after the initial selection of courses until Friday, 27 August, 1971. Course changes will not be accepted from 28 August, 1971, until Wednesday, 15 September, 1971. Students are urged to avoid leaving course selection until the official registration period, the dates of which are given below. During this time, students must produce receipted fee forms and receive their Admission and Library cards. Course changes can be made from Wednesday, 15 September until 15 October, 1971. Full details of the registration procedures are available from the Registrar’s Office. Details of registration 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.

<table>
<thead>
<tr>
<th>Day</th>
<th>Date</th>
<th>Time</th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuesday</td>
<td>7 September</td>
<td>9:00-4:30</td>
<td>1st Year A-K</td>
</tr>
<tr>
<td>Wednesday</td>
<td>8 September</td>
<td>9:00-4:30</td>
<td>1st Year L-Z</td>
</tr>
<tr>
<td>Thursday</td>
<td>9 September</td>
<td>9:00-4:30</td>
<td>2nd Year</td>
</tr>
<tr>
<td>Friday</td>
<td>10 September</td>
<td>9:00-4:30</td>
<td>3rd Year</td>
</tr>
<tr>
<td>Thursday</td>
<td>10 September</td>
<td>9:00-4:30</td>
<td>4th Year (All students taking a full 4th Year programme at Scarborough College)</td>
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</tbody>
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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 Tuesday, 14 September, 1971.

(b) Part-Time Students

Part-Time students do not register in person, but by mail. After his initial admittance to the University of Toronto the part-time student is required to register for each course in each session that he wishes to take. Thus, registration is repeated prior to the start of every session. Newly admitted students will receive a registration form in the mail.
together with their letter of admission from the Director of Admissions. The currently enrolled part-time student will receive a registration form in the mail before each session. On this form, the student specifies the courses in which he wishes to enroll and the campus where these courses are being given. Instructions concerning the preregistration of Part-Time students are reproduced on the registration form itself. A part-time student may take courses on more than one campus during the same session. The top copy of the registration form, when completed, should be mailed to the Office of the Registrar at Scarborough College if a course is to be taken there. The remaining copies of the form should be mailed to the Office of the Comptroller, together with the fees for the courses to be taken.

Fees
The cost of each full-year course is $95.00.
The cost of each half-year course is $47.50.
In addition, each student pays $2.00 per session to the Association of Part-Time Undergraduate Students (A.P.U.S.) for the maintenance and furnishing 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. Late registration fees are charged according to the chart given below. Course 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.

A.F.T.I. Cards
To show that his registration has been accepted, each student will receive in the mail, his Admit-to-Lectures card, from the Registrar’s Office at Scarborough College. Any change in the information on this card (i.e., the name and address of the student) should be reported immediately to the Registrar’s Office at Scarborough College, in writing.

Summary of Registration Dates

<table>
<thead>
<tr>
<th>Summer Evening Session 1971</th>
<th>Winter Session 1971/72</th>
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<tr>
<td>1 May</td>
<td>10 September</td>
</tr>
<tr>
<td>Last day for acceptance of registration forms without late fee. After these dates, a late fee of $10.00 is charged until 15 May or 30 September, as appropriate.</td>
<td></td>
</tr>
<tr>
<td>8 May</td>
<td>18 September</td>
</tr>
<tr>
<td>Last day for acceptance of registration forms with $10.00 late fee. After these dates a late fee of $20.00 is charged, until 30 September, as appropriate.</td>
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15 May 30 September Last day for acceptance of registration forms with $20.00 late fee. After these dates, registration for the respective sessions is not permitted.

General Regulations for Part-Time Students

Course Changes and Withdrawals
Should a student find it necessary to change his course(s) or withdraw at any stages, he should advise the Registrar’s Office 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 course(s) concerned. If the student is no longer registered in any course that session, he should return his Admit-to-Lectures 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.

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.
Academic Regulations

Regulations are subject to change; students are encouraged to consult with the Registrar's Office at any stage of their university career.

Programmes of Study
Each student designs his own academic programme by selecting in each year five courses that suit his interests. Any course may be selected, provided that all prerequisite and corequisite requirements are fulfilled.

Two half-courses are equivalent to one year course.

One or two extra half courses or one extra year course may be selected each year. The standing obtained in the extra course will be recorded on the student's transcript; but, the course will not be credited towards the degree requirements.

First Year Programme
To complete a first year programme, a student must obtain standing in five courses.

Where a first year student fails one A-level course, but earns a term mark of at least 60% in that course, the student will be permitted to write a supplemental examination. Failure in a supplemental examination will not count as a second failure, but will constitute re-enrolment in the failed course or in a substitute.

Second Year Programme
To complete a second year programme, a student must obtain standing in ten courses, including at least three B-level or C-level courses. (A student may select any number of A-level courses in second year, provided that at least three B-level or C-level courses are completed by the end of second year.)

Third Year Programme
To complete a third year programme, a student must obtain standing in fifteen courses, including at least eight B-level or C-level courses. (A student may select any number of A-level courses in third year, provided that at least eight B-level or C-level courses are completed by the end of third year.)

The student must earn final marks of 60% or better in at least eight of the fifteen courses. These eight must include at least four of the B-level or C-level courses.

The Three Year Degree
A student may choose to receive a Bachelor of Arts or Bachelor of Science degree upon completion of the third year programme. (Alternatively a student may choose to proceed to a fourth year programme.) A student who chooses to receive his degree upon completion of the third year programme must notify the College Registrar in that effect, by 15 February. A special form for this purpose will be mailed to students during the academic year.

A student who chooses to receive his degree upon completion of the third year programme will have the designation "Bachelor of Arts (Three Year)" or "Bachelor of Science (Three Year)" on his transcript.

The Three Year Degree in Science
To qualify for a Bachelor of Science degree on completion of the third year programme, a student must obtain standing in at least six B-level or C-level courses offered in the following disciplines:

- Astronomy
- Biological Science
- Chemistry
- Geography (Selected Courses)
- Mathematics
- Physics
- Psychology

The following courses in Geography may be credited towards the Bachelor of Science degree:

- GGRB02Y
- GGRB03Y
- GGRD01Y and GGRD02Y, for students researching or reading in appropriate, scientific areas of Geography.

Fourth Year Programme
A student who has completed the requirements for the three year degree may enter the fourth year programme.

To complete a fourth year programme, a student must complete an additional five courses, including no more than one A-level course. The student must earn final marks of 60% or better in at least four of the five additional courses. A student must complete the additional requirements of the fourth year programme in the first six courses attempted.

The Four Year Degree
A student who has completed a fourth year programme will receive a Bachelor of Arts or Bachelor of Science degree (unless he has already received his degree upon completion of his third year programme). The designation "Bachelor of Arts (Four Year)" or "Bachelor of Science (Four Year)") will appear on his transcript.

The Four Year Degree in Science
To qualify for a Bachelor of Science degree upon completion of a fourth...
year programme, a student must obtain standing at least nine B-level or C-level courses offered in the following disciplines:

- Astronomy
- Mathematical Science
- Chemistry
- Geography (selective courses)

The following courses may be credited towards the Bachelor of Science degree:

- CG210Y
- CG215Y
- CG220Y
- CG225Y

CG231Y and CG232Y, for students researching or reading in appropriate, scientific areas of Geography.

Refusal of Further Registration

A student will be refused further registration in the Faculty of Arts and Science if:

1. he fails four courses of the first ten courses attempted; or if
2. he fails five courses of the first fifteen courses attempted; or if
3. he fails six courses; or if
4. he fails to satisfy the requirements for a three year degree in the first twenty courses attempted.

A student is liable to be refused registration in the Faculty of Arts and Science for one year if he fails two or more courses at the first attempt in any year. A refusal of registration for one year is necessitated by enrolment limitations. Where a student fails two or more courses in any year, the Faculty of Arts and Science will examine the student's academic record in the year in which the refusal is necessitated in order to determine whether or not the student will be refused registration for the next year. A student admitted as a mature student on probation will be refused registration in the Faculty until he meets full Grade XII admission requirements if he fails two or more courses of the first five courses attempted.

Failed supplemental examinations in first year do not count as second failures.

Students are required to attend lectures, seminars, laboratories and examinations in all of their courses. A student whose attendance at lectures, seminars or laboratories, or whose work is deemed to be unsatisfactory by the Council of the Faculty of Arts and Science may have his registration cancelled at any time by the Council.

General Regulations For Standing

A full-time student will normally be expected to take a full programme of studies (five courses) in the winter session of each year. Under exceptional circumstances a student may petition the Faculty of Arts and Science for permission to withdraw without academic penalty from not more than one course or (two half-courses). A student may withdraw without academic penalty from an extra full term half-course at any time before 20 November, and may withdraw without academic penalty from an extra year course or spring-term half-course before 15 February.

A part-time student will enrol in the Division of University Extension. An Extension student may take a maximum of two courses in the winter session and a maximum of two courses during the summer session. A student may withdraw without academic penalty from his programme at any time until 15 February, except that credit will be retained for any full-term half-course completed. A student may withdraw without academic penalty from his programme at any time until 15 February, except that credit will be retained for any full-term half-course completed. A student may withdraw without academic penalty from his programme at any time until 15 February, except that credit will be retained for any full-term half-course completed. A student may withdraw without academic penalty from his programme at any time until 15 February, except that credit will be retained for any full-term half-course completed. A student may withdraw without academic penalty from his programme at any time until 15 February, except that credit will be retained for any full-term half-course completed.

Standing In A Course

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

- 80% - 100% Grade A
- 70% - 79% Grade B
- 60% - 69% Grade C
- Below 50% Grade D

The method of determining standing in each course will be decided by the Division offering the course. Where a final examination is required, it will be held in a special examination period.

In all A-level courses, final examinations are required. In an A-level course the term mark for the course will count as not less than one-third and not more than two-thirds of the final mark.

In the case of half-courses, standing must be obtained in each half-course attempted. Marks in two half-courses may not be averaged to produce standing in an equivalent whole course.

Examinations

Final examinations are normally required in all A-level courses. Final examinations may or may not be given in B-level and C-level courses, at the discretion of the instructor and the Division that offers the course. Final examinations in all full-term half-courses will be held in the last week of classes in the fall term. Final examinations in year courses and spring-term half-courses will be held in the annual examination period in the last half of April and the early part of May. Final examinations in the summer session will be held in the August examination week. Supplementary examinations are not permitted except in cases of special consideration (below) and in cases where a student in first year fails one A-level course, but has earned a term mark of 60% or better. A failed supplementary examination does not count as a second failure.

A student who is permitted to write a supplementary examination must complete a special application form, which will be mailed to him by the Faculty of Arts and Science. A student who is permitted to write a supplementary examination may apply to write that examination at one of several universities in Canada or at the University of London, England. All original final examinations must be written at this University.

A student may rewrite examinations in one or more courses in which he has earned standing in order to seek to obtain a higher grade for external
purposes. A student may rewrite an examination only at the immediately following set of examinations. Students often apply to rewrite examinations in order to improve their prospects for admission to graduate or professional schools or in order to qualify for teaching certificates. The student’s standing in the Faculty of Arts and Science is not affected by rewriting examinations in this manner. Both the original and the second grade are recorded on the student’s transcript, and the student’s overall grade for his year remains unchanged. Students must formally apply to re-write examinations for this purpose through the College Registrar and must pay a supplemental examination fee.

Agrotat Consideration
If the ability of a student to complete a course is affected by illness or domestic problems, the student may enter a petition through the College Registrar for consideration by the Faculty of Arts and Science. If the Faculty decides that there are adequate grounds for the petition, the Division which offers the course 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.

Petitions for agrotat consideration must be entered no later than the last day of the fall, spring, or August examination period, as appropriate. Petitions must be accompanied by a medical certificate which includes a statement that the student was examined at the time of illness, or must be accompanied by other appropriate evidence to support the petition.

Degrees
A student may receive only one degree in the Faculty of Arts and Science: Bachelor of Arts, Bachelor of Science, or (on the St. George Campus) Bachelor of Commerce.

A student who chooses to receive his degree and diploma upon completion of a third year programme may not graduate again or receive another diploma at the end of a fourth year programme. However, it would be recorded on the student’s transcript that he had completed the requirements for the four-year degree.

Transcripts
A copy of a student’s transcript of academic record will be issued to the student at his request, subject only to reasonable notice and a nominal copying fee. Transcripts may be ordered from the Office of the Faculty of Arts and Science (First Floor, Sidney Smith Hall, St. George Campus, University of Toronto) on forms available from the office of the College Registrar.

Petitions
Any student who feels that he has a special case may petition the Faculty of Arts and Science requesting special exemption from the academic regulations. Petitions must be entered through the office of the College Registrar.
Fees

Sessional Fees
Fees have not yet been established for the 1971-72 session. However, to help students to make financial plans, fees for the 1970-71 session are listed below.

<table>
<thead>
<tr>
<th>Full Fee</th>
<th>First Installment</th>
<th>Second Installment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Men</td>
<td>$522</td>
<td>$267</td>
</tr>
<tr>
<td>Women</td>
<td>316</td>
<td>251</td>
</tr>
</tbody>
</table>

Sessional fees include both the basic academic fee of $470 and incidental fees for: the Scarborough College Student Society, the University of Toronto Students’ Administrative Council, Athletics, Health Service, and (for men only) 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 by 20 January 1972. A late fee is charged to students who are late in paying the second installment.

All University fees must be fully paid before a student may receive his examination results or be credited with standing in his year.

Payment of Fees

1) Full Fees or First Installment:
Each student will receive a "fees form" through the mail sometime in August.

The fees forms 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 during the month of August, he should take his fees in person to the Fees Department or to the Registrar’s Office at Scarborough College. Fees will be accepted at the College only during the month of September.

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 Installment:
Students may deduct the following in making payment for full fees or for first installments:

- Deposits: 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 installment. 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 installment. 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 installment in the fall may deduct up to one-half the amount of his scholarship.

3) Second Installment:
The second installment of fees must be paid on or before 20 January 1972. Fees may be paid at either the Registrar’s Office 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".

4) Use of OSAP Grant Portions to Pay the Second Installment:
Ontario Student Award grant cheques cannot be released until the student has paid the second installment of his fees. Consequently a student who wishes to receive his grant cheque (normally available at the end of January) is encouraged to ensure that his fees are paid early in January. Only if fees are paid early in January will the College receive clearance to release the student’s grant cheque when it arrives later in January. If a student is unable to pay his fees early in January, and will be receiving an OSAP grant later in January, the student is advised to pay his fees (by means of a personal cheque or money order only) at the Registrar’s Office. A student who depends on the grant portion of his Ontario Student Award in order to pay his second installment must bring to the College Registrar’s Office his personal cheque for fees when he comes to pick up his grant. His fees cheque will be held for three days to allow him time to deposit the grant cheque and to cover his cheque for fees.

Miscellaneous Fees
In addition to the sessional fees, there are a number of special fees and penalty fees.

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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 re-check 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 Confirmation of Programme: Each student is required to confirm the College's record of his programme and to apply for final examinations in his courses by 20 November of each year. A student who completes these procedures late is subject to a late fee of one dollar per day, to a maximum of twenty dollars.

Fee for Late Payment of the Second Installment of Sessional Fees: Each student is required to pay the second installment of his fees by 20 January of each year. A student who is late with his second installment must pay a late fee of three dollars per month, to a maximum of ten dollars.

Counselling
The College is continually seeking more effective means of academic and non-academic counselling. Academic counselling is supplied voluntarily by many members of the Faculty who arrange with the Registrar hours at which they can be reached. Since, during the summer, many Faculty leave the College for research purposes, students are urged to procure counselling in April and May or after 15 September. We do, however, attempt to ensure that newly admitted students are provided with academic counselling during July and August.

The Registrar's Office, besides providing a certain amount of academic counselling, also provides general counselling. The College also has a Student Services Office which provides information about medical, psychiatric and legal help, housing, employment, and advice about any of the problems that may confront a student. Students are invited to make full use of this Office either by dropping into Room S412A or by calling 284-3292.
<table>
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<td>T = Tutorial</td>
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<td>P = Practical Session</td>
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<td>E = Classes commencing after 6:00 p.m.</td>
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</table>

1) The letters A, B, and C prefixed to course numbers indicate levels of complexity and degrees of specialization. A indicates an introductory course, while B and C indicate intermediate and 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 program of study.

2) The letters 'Y', 'F', 'S', and 'H' indicate respectively Fall Year, Fall Term, Spring Term and Year-Long Half Courses.

3) Where two numbers appear beside a course, one ending in 'Y', one in 'S', the course is given twice, once in each term. A student may take the course either in the fall or spring, but not at both times.

4) Written permission from the instructor is the only alternative to the prerequisites and corequisites listed. Such permission must be attached to the course selection form.

<table>
<thead>
<tr>
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**ANTB16F 2L/W10/R12**  | **ANTC2F** Arrange with Instructor |
**1T/R6/R1**          | **ANTC4S** Arrange with Instructor |
**ANTC2S** Arrange with Instructor | **ANTC4S** Arrange with Instructor |
**MTWRF5 (week days)**, **E (classes commencing after 6:00 p.m.)** | **L (lecture), T (tutorial), P (practical sessions)** |

Anthropology literally means the study of man. As a discipline it examines human phenomena in both the biological and socio-cultural aspects. The subject has 4 major sub-disciplines. The present curriculum offers courses in 3 of these: Physical Anthropology, Social and Cultural Anthropology and Prehistoric Archaeology. The fourth, Anthropological Linguistics, will be presented as future staffing permits, although the student should be aware of the linguistic courses available in Humanities. Any student wishing to specialize in Anthropology should discuss his program with a member of the Anthropology faculty.

**ANTA01Y Introduction to Anthropology**

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 human physical evolution, and the archaeological 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.

Year Course/Prerequisites: None/Corequisites: None  
Instructor: Shirley

**ANTA02F Political and Economic Anthropology**

A general survey of the problems of production, exchange and distribution in Anthropology, and the role of political systems in a largely "developmental" framework.

Full Course/Prerequisites: None/Corequisites: None  
Instructor: Shirley

**ANTA03S Social Organization**

"Kinship is an Anthropology what logic is to Philosophy or the node 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.

Spring Course/Prerequisites: None/Corequisites: None  
Instructor: Horsen

**ANTA01F Cultural Ecology**

A discussion of the reticulate 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
aspects of warfare and anthropological demography. Cases will be
drawn largely, but not exclusively, from non-industrialized societies.
Fall Course/Prerequisites: None/Corequisites: None
Instructor: Knight

ANTB02S Anthropology of Religion
A cross-cultural study of systems of belief and myths concerning
spiritual beings and the cosmos; social actions, rights and obliga-
tions arising out of man's postulated dependence on such beings;
and of magic, curing, witchcraft and sorcery.
Spring Course/Prerequisites: ANTA01Y/Corequisites: None
Instructor: Hopen

ANTB03F The Americas: An Anthropological Perspective
A discussion of the origin and development of Native cultures in the
New World, with particular emphasis upon changes due to European
contact. The course will also focus upon the larger problem of pat-
tterns of race in the Americas. Emphasis will be on Latin America, but
not to the exclusion of related aspects in North America.
Fall Course/Prerequisites: None/Corequisites: None
Instructor: Shirley

ANTB04F The Canadian Indians
A consideration of Canadian Indian communities as they have de-
veloped during the last twenty-five years in isolated areas, on reserva-
tions, 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 socio-cultural patterns in a range of communities. The com-
parison of Indian and certain other subcultures in Canada and con-
ideration of the analogous positions of native peoples in certain
other countries.
Fall Course/Prerequisites: ANTA01Y/Corequisites: None
Instructor: Knight

ANTB05F Social Anthropological Study of Africa
After a review of certain cardinal social and cultural background fea-
tures of the continent, a more intensive study of comparative religion
will be made. Hopefully, guest lecturers will help round out the perspec-
tive.
Fall Course/Prerequisites: None/Corequisites: None
Instructor: Hopen

ANTB06F Cultures of Oceania
In Oceania many small societies with highly diverse cultures have
developed in comparative isolation. The course will survey their
kinship structures, economies, 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 Anthropol-
ogy.

Full Course/Prerequisites: None/Corequisites: None
Instructor: Schwimmer

ANTB07S Comparative Slavery
Course not offered in 1972-73. An examination of "slavery" as an
institution in several areas of the world, including Brazil, Africa, the
Caribbean, and the United States. An effort will be made to examine
the modern consequences of slavery as well.
Spring Course/Prerequisites: None/Corequisites: None

ANTB08F Anthropology of Development
An analysis of problems of development and underdevelopment in the
world, including the problems connected with "secondary develop-
ment" in industry and politics. The main focus will be on Latin
America though not to the exclusion of other areas, such as Canada.
Fall Course/Prerequisites: None/Corequisites: None
Instructor: Shirley

ANTB09S History of Ethnological Theory
A seminar discussing course on basic problems and methods in
Anthropology. A short survey of past and present anthropological
theory will be presented and current schools of thought debated.
Spring Course/Prerequisites: None/Corequisites: None
Instructor: Schwimmer

ANTB10S Action Anthropology
Course not offered in 1972-73. For some years anthropologists have
used their knowledge of human societies in attempts to solve "prac-
tical" 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.
Spring Course/Prerequisites: ANTA01Y/Corequisites: None

ANTB11F Man in the Pleistocene
The evolution of man in the Pleistocene. A review of the evidence
and chronological framework for man's physical and cultural devel-
oment during his first two million years.
Fall Course/Prerequisites: None/Corequisites: None
Instructor: Schroeder

ANTB12S Man in the Holocene
The evolution of culture in the post-Pleistocene period. A study of the
enormous cultural changes that led to the Neolithie and Urban
Revolutions and the beginnings of civilization. Archaeological evi-
dence for these transformations will be reviewed in both the New
and Old Worlds.
Spring Course/Prerequisites: None/Corequisites: None
Instructor: Schroeder
(ANTB13Y) Methods and Principles of Archaeology
Course not offered in 1971-2. Consideration of the techniques by which an archaeologist collects and analyzes prehistoric data for the reconstruction and study of culture history.
Year Course/Prerequisites: Permission of instructor/None

(ANTB14S) Human Evolution
Man's place within the Order Primates is analyzed and his phylogeny traced. The course emphasizes the issues and controversies that form the theoretical framework to the understanding of the fossil evidence. Books of readings on and relevant to the topic substitute for a single text. Class discussion and presentation of assigned readings are expected. Laboratory sessions permit the student to examine fossil cast materials.
Year Course/Prerequisites: ANTA61Y or ANTB15Y or BIB814Y
Corequisites: None
Instructor: Burton

(ANTB15Y) Introduction to Physical Anthropology
Introduction to Physical Anthropology surveys Man's Place in Nature: his origin (fall) and ongoing evolution (spring). Basic to the course is an understanding of the Synthetic Theory of Evolution and the principles, processes, evidence and application of the Theory. Three hours of laboratory per week acquaints the student with the methods and materials utilized by the Physical Anthropologist.
Year Course/Prerequisites: None/Corequisites: None
Instructor: Burton

(ANTB18S) Ethnic Cultures of Canada
Course not offered in 1971-2. A consideration of contemporary subcultures in Canada and how these have developed in the last forty years. Indigenous groups (Indian-Metis-Eskimo) and formerly immigrant groups, both rural and urban, will be treated in the same general framework. The course will attempt to place local and regional ethnic groups and subcultures in a national political and economic context.
Year Course/Prerequisites: None/Corequisites: None

(ANTB17F) Complex Societies
Course not offered in 1971-2. An examination of the different forms of social structure and cultural variation in modern complex societies, as well as analysis of how they change.
Year Course/Prerequisites: None/Corequisites: None
Instructor: Shirley

(ANTB18F) Cultural Evolution
An examination of how cultural evolution has been viewed from the nineteenth century to the present and how such views relate to other approaches in Anthropology. Emphasis will be on contemporary

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approaches with particular concern given to the mechanisms of cultural evolution. Causes are drawn largely from ethno-historical and ethnological studies.
Fall Course/Prerequisites: ANT101Y/None
Instructor: Knight

ANTC02S Systems of Thought
One universal characteristic of men is to seek an explanation of the universe they perceive—to reduce it to some form of order and system. It is a matter of personal faith whether this cognitive activity is viewed as occurring under divine inspiration. It is for the anthropologist to apprehend the system of thought prevailing in the cultures he studies and to relate them to social, political and economic phenomena. It is also fruitful to relate different systems of thought to each other so as to obtain a comparative perspective consistent with the facts of ecology and culture history.
This course surveys the anthropological work done on these questions, especially since 1960. Some knowledge of anthropology will be assumed. Students will be expected to familiarize themselves with a few systems of thought evolved by non-literate societies.
Prerequisites: None
Instructor: Schwimmer

ANTC03F Advanced Reading and Research in Anthropology
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.
Fall Course/Prerequisites: One B-level course in Anthropology; permission of instructor
Spring Course/Prerequisites: None

ANTC04S Advanced Reading and Research in Anthropology
See description for ANTC03F

Astronomy
ASTA02Y 2L/1R2
1/7/11/13/15/17/19/21
ASTA03Y 2L/1R2
ASTB03H Arrange with
instructor
MTWRFS (week days), T (classes commencing after 6 p.m.) L (lecture), T (practical session).
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 the 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 Scar-
borough College the full extent of astronomical topics is covered in
ASTA02Y (for science students) and ASTA03Y (for non-science students) while more advanced topics in astrophysics are dealt with in
ASTB03H and ASTB03I.

ASTA02Y A Survey of Astronomy and Elementary Astrophysics
This is a survey course covering all aspects of modern astronomy, and designed for students who are either taking a science program or who have a background of Grade 13 Physics and Mathematics. The following topics will be covered: the solar system in detail, including the most recent space vehicle investigations; theories of the evolution of stars; radio and optical studies of the Milky Way; the discovery and significance of molecules in space; external galaxies; radio astronomy; radar astronomy; quasars and their significance; cosmology; pulsars; current satellite born infrared, ultra-violet and X-ray observations, and some recent discoveries by these new observational methods.
Year Course/Prerequisites: Grade XIII Math A:
Grade XIII Physics/Corequisites: None

ASTA03Y Astronomy, Its History and Significance
A course designed primarily for students with a non-science background which contains a description of the extra-terrestrial universe and of the methods used (past and present) to explore it. In addition to a survey of basic astronomy, this course will also emphasize the history of man's evolving view of the universe. 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 analyzed. 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 based astronomy.
A minimum of mathematics will be used, and a number of essays connected with the topics above will be required for term work.
Year Course/Prerequisites: None/Corequisites: None
Instructor: Kronberg

ASTB03Y Topics in Astrophysics
Course not offered in 1971-2. This course stresses the application of Physics and Mathematics to astronomical phenomena in various areas:

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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 equations which govern the lives of stars, and their observational verification.
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.

**Corequisites:** MAT41F

**Instructor:** Ruudae

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**ASTB03H1 Readings in Astrophysics**

A reading course in some topics of current interest in Astrophysics. The topics will be selected by the instructor 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.

**Year-Long Half Course/Prerequisites:** PHY401Y; MAT401Y or MAT535Y

**Corequisites:** None

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**Biological Science**

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**BIOB17Y**

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**MTWRFs**

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<tr>
<td>L (lecture)</td>
<td>T (tutorial)</td>
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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 is essential in maintaining a balance in nature.

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**BIOA02Y Introduction to Natural Science: The Biological Sciences**

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 bio-
**BIOB2Y**  
**Basic Microbiology**  
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.  
*Year Course/Prerequisites: BIOA01Y or BIOA02Y/Coerequisites: None  
Instructor: Kingsley*

**BIOB3Y**  
**Physiology**  
A lecture and laboratory course on the ecology, physiology and biochemistry of the algae.  
*Spring Course/Prerequisites: BIOA01Y; BIOA02Y  
Coerequisites: CHM305Y  
Instructor: Sparling*

**BIOB5Y**  
**Genetics**  
A lecture and laboratory course in cytogenetics and the genetics of bacteria, fungi, and Drosophila.  
*Year Course/Prerequisites: BIOA01Y; BIOA02Y  
Coerequisites: CHM305Y  
Instructor: Fitzmaurice*

**BIOB6Y**  
**Plant Physiology**  
A lecture and laboratory course covering aspects of water relations, mineral nutrition, salt uptake and the growth and development of plants.  
*Year Course/Prerequisites: BIOA01Y; CHM301Y/Coerequisites: None  
Instructor: Ismaelstan; Sparling*

**BIOB7Y**  
**Developmental Biology (Animal)**  
A lecture and laboratory course dealing with the molecular and cellular aspects of development, including the principles of development, and some control mechanisms of cellular differentiation.  
*Year Course/Prerequisites: BIOA01Y or BIOA02Y  
Coerequisites: CHM305Y  
Instructor: Miyagi*

**BIOB9Y**  
**Invertebrate Zoology**  
A field-laboratory lecture course dealing with the ecology, anatomy and evolution of invertebrate animals. Owing to restricted accommodation during the field study programs, the course is limited to a maximum of fourteen students. Enrollment in the course must take place during pre-registration period or before June 1st in order to arrange for field accommodation. It is recommended that students have had a previous Zoology course at the university level.  
*Year Course/Prerequisites: Permission of instructor  
Coerequisites: None  
Instructor: Uphart*

**BIOB11Y**  
**Animal Populations and Evolution**  
A study of the process of heritable changes in animal populations with special regard to population genetics, population dynamics and species diversity.  
*Year Course/Prerequisites: BIOB5Y/Coerequisites: None  
Instructor: Campbell*

**BIOB12Y**  
**Plant Ecology**  
A course dealing with the response of plants to the environment, in the broadest sense. Plants are studied at the level of the individual and the species and hypothetical higher vegetation units are discussed. Considerable attention is paid to theoretical problems and to the use of statistical and mathematical models. Some knowledge of statistics is an advantage.  
*Year Course/Prerequisites: One full course in Mathematics  
Coerequisites: None  
Instructor: Yarranton*

**BIOB13Y**  
**Organisation and Phylogeny of Vascular Plants**  
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.  
*Year Course/Prerequisites: None/Coerequisites: None  
Instructor: Dengler*

**BIOB14Y**  
**Human Physiology (Human Biology)**  
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.  
*Year Course/Prerequisites: None/Coerequisites: None  
Instructor: Uphart*

**BIOB15F**  
**Limnology**  
A lecture and laboratory course, with some field work, dealing with
the ecology of aquatic organisms, mainly phytoplankton. BIOB105S is recommended as a co-requisite.
Fall Course/Prerequisites: BIOA01Y, BIOA02Y/Co-requisites: None
Instructor: Sparkling

BIOB10Y Comparative Vertebrate Morphology
[MAY NOT BE TAKEN IN THE SAME DEGREE PROGRAMME AS BIOB60Y.] A lecture and laboratory course on the histological and gross structure of vertebrates with particular reference to their anatomy and physiology.
Year Course/Prerequisites: None/Co-requisites: None
Instructor: Yousen

BIOB17Y General and Comparative Physiology
[MAY NOT BE TAKEN IN THE SAME DEGREE PROGRAMME AS BIOB60Y.] The function of cells and of the organs systems which have evolved to control the environment of the individual cell within the organism. Topics include: 1) Body fluids and circulation, 2) body and systemic balance, 3) respiration, 4) gas exchange, 5) Nerve and muscle physiology. Much of the comparative material deals with invertebrate forms.
Year Course/Prerequisites: BIOA01Y or BIOA02Y
Co-requisites: CHMB05Y
Instructor: Smith

BIOB18F Cell Metabolism
[MAY NOT BE TAKEN IN THE SAME DEGREE PROGRAMME AS BIOB60Y.] A lecture and laboratory course dealing with the function of cells. It will include aspects of enzymology, respiration and photosynthetic metabolism and the control and regulation of metabolism. BIOB303S is recommended as a co-requisite.
Fall Course/Prerequisites: BIOA01Y, BIOA02Y
Co-requisites: None
Instructor: Izraelam

BIOB19S Biology of Macromolecules
[MAY NOT BE TAKEN IN THE SAME DEGREE PROGRAMME AS BIOB60Y.] A general lecture and laboratory course on the metabolism of macromolecules. The course deals mainly with structure, synthesis, breakdown, and functions of DNA, RNA and proteins.
Spring Course/Prerequisites: BIOA01Y/Co-requisites: CHMB05Y
Instructor: Mizagi

BIOB20F Cell Ultrastructure
[MAY NOT BE TAKEN IN THE SAME DEGREE PROGRAMME AS BIOB60Y.] A lecture, laboratory, and seminar course dealing with ultrastructure of animal, plant and bacterial cells.
Fall Course/Prerequisites: BIOB09Y or BIOB11Y

Corequisites: None
Instructor: Dougas, Yousen, Kingsley

BIOB10F Supervised Study in Biology
An independent study course designed to permit intensive examination of the literature of a selected topic and/or a laboratory or field project in Biology. Supervision of the work is arranged by mutual agreement between student and instructor.
Full Course/Prerequisites: 4 courses in Biology; permission of instructor/Co-requisites: None
Instructor: Staff

BIOB22S Supervised Study in Biology
See description for BIOB10F.
Spring Course/Prerequisites: 4 courses in Biology; permission of instructor/Co-requisites: None
Instructor: Staff

BIOB30Y Advanced Cell Metabolism
A seminar and laboratory course on current research in cell metabolism.
Year Course/Prerequisites: BIOB18F/Co-requisites: None
Instructor: Izraelam

Chemistry

CHMA01Y 2L: M0F10
17: TT/TS/W3/
R7/F11
3P: Y7/F7/11
W5/W3/W11/
R2R3R4/
F2F3F4
CHMA01Y 3L: M0M5W3
CHMB021 3P: M0M10/4M11
CHMB03Y 2L: WW2
7P: (Spring term only)
T1/T1/T1/T1
CHMB03Y 2L: WW2
T1/T1/T1/T4
CHMB04Y 3L: T2W3R8
CHMB05Y 2L: W4R12
MTWRF (5 days a week), E (classes commencing after 6pm) L (lecture). T (tutorial), P (practical session).
The number of Chemistry courses offered at Scarborough will be increased as the College expands and it is intended that students will be able to complete a four-year degree at Scarborough College with sufficient specialization to qualify for graduate study in Chemistry. Additional courses may become available in the 1972-73 academic year, but it may still be necessary for students to take some courses on the St. George campus. In this regard, it should be noted that the Chemistry courses offered at the Scarborough campus differ from those offered on the St. George campus; with the exception of CHMA01Y [Scarborough], which is equivalent to CHM120 [St. George], individual Scarborough courses do not have direct equivalents on the St. George campus. Enrollment in individual courses involving transfer between the two campuses will be subject to the approval of the Department of Chemistry. However, the following groups of courses, together with their prerequisites and prequisites, will ensure enrollment for any course in the St. George 400 series (indicated):

<table>
<thead>
<tr>
<th>Scarborough Courses</th>
<th>St. George Series</th>
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<tbody>
<tr>
<td>CHMA01Y, CHMB03Y, CHMB04Y, CHMB06Y</td>
<td></td>
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<tr>
<td>MATA55Y, MATA49F, MATB51F</td>
<td>420</td>
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<tr>
<td>CHMA01Y, CHMB01Y, CHMB02H, CHMB04Y</td>
<td>430</td>
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<td>CHMC01Y</td>
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<tr>
<td>CHMA01Y, CHMB04Y, CHMB05Y, CHMC13H</td>
<td>440</td>
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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: MATA48S, MATA58S, MATB06F, MATB05F, MATB41F, MATB46S, PHYB01Y, PHYB02S, PHYB04P, PHYB13Y, PHYB13Y.

**CHMA01Y General Chemistry**

Nuclear Chemistry, atomic and molecular structure, ionic solids; chemical equilibria in the gas phase and in solution; states of matter and equations of state; first law of thermodynamics, thermochemistry; introduction to kinetic theory of gases and reaction kinetics.

**Instructor:** Harris, Walker

**Course Prerequisites:** Grade 13 Chemistry

**Course Equivalents:** MATA55Y

**CHMB01Y Inorganic Chemistry I**

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. Lectures designed to support course CHMB02H, the Analytical Chemistry Laboratory.

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Year Course/Prerequisites: CHMA01Y/Corequisites: CHMB02H
Instructor: Harris

CHMB02H Analytical Chemistry Laboratory
Qualitative analysis: redox equilibria, pH titrations, precipitation titrations, complexometric titrations, ion exchange, chromatography, Beer-Lambert Law, gravimetric analysis.
Year Long Half Course/Prerequisites: CHMA01Y
Corequisites: CHMB01Y

CHMB03Y Physical Chemistry I
The laws of thermodynamics; their experimental origin and applications to topics of chemical interest. Introduction to statistical thermodynamics.
Year Course/Prerequisites: CHMA01Y, PHYA01Y, MATA55Y or MATA01Y/Concurrent: None

CHMB04Y Introduction to Quantum Chemistry and Spectroscopy
Part I (Fall term) is an introduction to the theories of atomic and molecular structure and spectroscopy, making use of the basic concepts of quantum mechanics.
Part II (Spring term) is a survey of the applications of spectroscopy to the determination of molecular structure, with emphasis on the uses of spectroscopy in organic chemistry.
This course is essential in preparing for St. George 420- and 430-series courses and most 440-series courses. It is essential to all Chemistry specialists.
Year Course/Prerequisites: CHMA01Y, PHYA01Y, MATA55Y or MATA01Y/Corequisites: CHMB03Y
Instructor: Caton, Lynch

CHMB05Y Organic Chemistry I
A lecture and laboratory course on the chemistry of aliphatic and aromatic compounds, with emphasis on reaction mechanisms and synthesis.
Year Course/Prerequisites: None/Corequisites: CHMA01Y
Instructor: Lynch

CHMB06S Physical Chemistry II
Chemical applications of statistical mechanics; statistical thermodynamics; kinetic theory of gases; applications to chemical kinetics.
Spring Course/Prerequisites: CHMA01Y, MATA55Y or MATA01Y, PHYA01Y/Corequisites: CHMB03Y, CHMB04Y
Instructor: Caton

CHMB145 Spectroscopy and Molecular Structure
[MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS CHMB04Y] Identical with the Spring term of CHMB04Y; a survey of applications of spectroscopy to the determination of molecular structure, primarily in Organic Chemistry. The course provides students who are not Chemistry specialists with the necessary background in spectroscopy for some St. George 440-series courses. This course may be useful to Biology students with an interest in Chemistry.
Spring Course/Prerequisites: CHMA01Y, MATA55Y or MATA01Y/Corequisites: CHMB05Y
Instructor: Caton, Lynch

CHMB01Y Inorganic Chemistry II
A study of transition metal chemistry including oxidation state diagrams; atomic structure and energy levels; crystal field theory; molecular orbital theory; a thermochemical and structural survey of: 1. divalent ions; 2. transition and higher oxidation states; 3. low oxidation states. i.e. carbonyls, nitrosyls, etc.
Year Course/Prerequisites: CHMB01Y, CHMB02H
Corequisites: CHMB04Y
Instructor: Walker

CHME13H Organic Chemistry II
A lecture and laboratory course on advanced organic chemistry. Emphasis will be placed on stereochemistry, mechanisms of organic reactions, molecular rearrangements, and further aspects of synthesis.
Half Year Course/Prerequisites: CHMB03Y/Corequisites: None
Instructor: Lynch

General Classics
CLAB04F 2L.MER10  GKKB01S 3L.T3W4R1
CLAB08S 2L.T3R12  GREEK "B" Series, Fall Term.
CLAB01Y 3L.T32  2F.PT1 F2
LAT001Y 4L.M1T1W9R10  GREEK "B" Series, Spring Term.
LAT081F 3L.W2F2F12
LAT082S 3L.M4T9R3
LATIN "B00" Series, Fall Term. Arrange with Instructor
LATIN "B30" Series, Spring Term. Arrange with Instructor

GKKB01S 3L.M4T9R3  1F.P1F11
GKKB02S 3L.T3W1W3  1F.P1F11
GKKB02S 3L.T3W1W3  1F.P1F11
GKKB01S 3L.M4T9
GKKB02S 3L.M4T9
GKKB01S 3L.M4T9
GKKB02S 3L.M4T9

MTWRF (weekdays), R (classes commencing after 6 p.m.)
L (lecture), T (tutorial), P (practical session).

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 in 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 and 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 (GRH100Y for 'Greek Studies' and GRH100Y for 'Roman Studies'). For 'Greek Studies' the remainder should be chosen from other courses in Greek; all courses in Classics (excluding CLA904F); Greek and Roman History B22Y, B21F, B25S, B24P; Fine Art A01F, B235; Philosophy B24F, B24P; Humanities B005, B025; Linguistics B005. For 'Roman Studies' the remainder may be chosen from other courses in Latin, all courses in Classics; Greek and Roman History B22Y, B23Y, B24F; Fine Art A01F; Humanities B005, B025; Linguistics B005.

A student wishing to take more than half his courses in Classics might follow a combined 'Greek and Roman Studies' program, 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 coherent plan 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 McDonald, 11329, 284-3395, 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 the 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 topic 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 lecture and original essays.

CLA02Y Greek and Roman Tragedy
Course not offered in 1971-2. The tragedy of the Greeks and Romans: its exploration of the nature and extent of Classical tragic drama, its conventions, historical origins and cultural context, with a discussion of selected plays by Aeschylus, Sophocles, Euripides and Seneca.
Your Course/Prerequisites: None/Corequisites: None

CLA03F Love Poetry
Course not offered in 1971-2. 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 selected poems of Sappho, the Greek Anthology, Catullus, Petronius, and Ovid.
Full Course/Prerequisites: None/Corequisites: None

CLA04F Satire
A study of the development of this distinctively Roman genre from its origins into the Empire, with reading in translation of the works of Horace, Persius, Juvenal and Petronius. Attention will be given to the literary, and social role of the satirist, the influence of the historical and cultural milieu, and the impact of classical satire on such English writers as Dryden and Pope.
Full Course/Prerequisites: None/Corequisites: None
Instructor: McDonald

CLA08S The Ancient Novel
Course not offered in 1971-2. The early Greek escapist novel, index of a society of reduced political views will be studied in the pages of its five major practitioners (Arbaces Taurus, Chariton, Heliodorus, Longus and Xenophon of Ephesus). The Roman counterpart is represented by the Satyricon (the sensuous and intellectual odyssey of three antiheroes) and the imaginative and humorous Metamorphoses of Apuleius.
Spring Course/Prerequisites: None/Corequisites: None

CLA08S Greek and Roman Comedy
A selection of comedies from the work of Aristophanes, Menander,
Plato 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 Plato and Terence to the genre.

Spring Course/Prerequisites: None/Corequisites: None
Instructor: Grant

CLAR21Y Greek and Roman Religion
An exploration of the nature and range of religious experience. Among the topics discussed will be the nature and function of mythology and its relation to religion, Homer and the Olympian gods, myth and philosophy, mystery religions and popular cults, paganism and Christianity.
Year Course/Prerequisites: None/Corequisites: None
Instructor: Irwin

(CLAR22S

Literary Criticism)
Course not offered in 1971-2. Reflections of the Greeks and Romans on literature, the techniques of composition and the nature of inspiration, from the dawn of literary self-consciousness to the development of systematic literary theory, with readings from Plato, Aristotle, Horace and Longinus.
Spring Course/Prerequisites: None/Corequisites: None
Instructor: Warden

Students should also consult listing under
FARR23S Art and Culture in Fifth Century Greece
HUMB005 Love and Friendship
HUMB037 The Ulysses Factor
HUMB085 The Age of Augustus

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.

LAT001Y Introductory Latin
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 LAT01F or LAT02S.

LAT01F Catullus
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.
Fall Course/Prerequisites: LAT001Y or Grade 13 Latin
Corequisites: None
Instructor: MacDonald

LAT02S Catiline
Sallust's Catilinarian Conspiracy and selections from Cicero's Orations in Catilinam will be read. The texts will provide an opportunity of comparing two accounts of the same events from both a literary and historical viewpoint.
Spring Course/Prerequisites: LAT001Y or Grade 13 Latin
Corequisites: None
Instructor: Gerbett

LAT03F Directed Reading
LAT03S Students who have completed LAT01F or LAT02S and wish to do further work in Latin can 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.]
Fall Course/Prerequisites: LAT01F or LAT02S
Corequisites: None
Instructor: Grant

LAT03S Directed Reading
LAT03S (See LAT03F above)
LAT03S Spring Course/Prerequisites: LAT01F or LAT02S
LAT03S Corequisites: None
LAT03S Instructor: Grant, McDonald
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 eyewitness accounts of a fascinating period of history.

GRK001Y  Introductory Greek
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.
Year Course/Prerequisites: None/Co-requisites: None
Instructor: Jewin

GRK001F  Plato Apology, Lysias in Euripides
Socrates’ speech in his defense will be read, with accompanying exercises to assist the student in further study of the Greek language. Lysias’ speech prosecuting his brother’s supposed murderer will also be read.
Fall Course/Prerequisites: Grade 13 Greek or GRK001Y
Co-requisites: None
Instructor: McDonald

GRK115S  Homer Odyssey
The wanderings of Odysseus—a reading of 3 books of the Odyssey with discussion of the nature and literary qualities of Homeric epic.
Spring Course/Prerequisites: GRK001F/Co-requisites: None

GRK122S  Herodotus
Course not offered in 1971-2. Selections from the “Father of History” will be read with discussion of the literary qualities of the work and the historical background.
Spring Course/Prerequisites: GRK001F/Co-requisites: None

GRK300F  Directed Reading
GRK311F  This course, like the GRK355-S398 spring term series, is designed for students who are capable of reading Greek on their own with profit and its purpose is to provide them with the opportunity of reading 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
Greek and Roman History
Greek and Roman History is a study of the history of the Greek-Roman world in antiquity. Like any historical study, its aim is twofold: to determine and convey the essence of Greek and Roman civilization and, by doing so, to further our understanding of man in society, then as now. Since the study is thus humanistic in the widest sense, students of ancient history will concern themselves not only with political history, but with the social and cultural significance of the ancient world as well. Emphasis will throughout be placed on reading of primary source material - what the Greeks and Romans themselves wrote - wherever possible; and, though, no knowledge of Greek or Latin is required, those who are able to do so will be encouraged to extend their reading from translations to the original accounts. Thus all students will be expected to pursue independent research, to participate in group discussions of their findings, and to give final written form to their work in careful, original and literate essays.

History of Greece from 800 B.C. to the Death of Alexander
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 archeology, 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.

Year Course/Prerequisites: None/Corequisites: None
Instructor: Reddington

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

Year Course/Prerequisites: None/Corequisites: None
Instructor: Drow

Roman History from the Gracchi to Nerva
A study of the Roman Republic as a social and political organization, and as “World Power”. The collapse of the republican system of government and the reconciliation of republican forms with military despotism and increasing bureaucracy. This course will emphasize close study of the primary sources for the period; these sources will be read in translation.

Year Course/Prerequisites: None/Corequisites: None
Instructor: Corbett

Greek Democracy
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).

Year Course/Prerequisites: GREEK 31 or any related Classics course
Corequisites: None
Instructor: Reddington

The Greeks Overseas
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.

Year Course/Prerequisites: GREEK 31 or any related Classics course
Corequisites: None
Instructor: Reddington

Studies in Roman History
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 Empire to 300 B.C., 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.

Year Course/Prerequisites: None/Corequisites: None
Instructor: Corbett

Ancient Historiography
A study of the ancient historians (Hannibal, 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.

Year Course/Prerequisites: None/Corequisites: None
Instructor: Reddington
Commeric

COM100Y 2L: M7EM8E 1T: M9E
MTWRS (week days), E (classes commencing after 6 p.m.), L (lecture), T (tutorial), P (practice session).

Financial Accounting
This is the same course as COM100 on the St. George campus. It is a required course in the Commerce and Finance program. Any Scarborough students who plan to transfer to the St. George campus in Second Year to enter Commerce and Finance should consider taking this course as well as ECOA04Y or ECOA06Y, and MATA53Y.

Year Course/Prerequisites: None Corequisites: None

Economics

SOSA01F 2L: T10H10 1T: R11/R13/R3/R4
SOSB04S 2L: T14W2
ECOA01Y 2L: M3R3/W7R8W8
1T: (every second week) F0/10F11/12
S0/10F11/12
ECOB01Y 3L: M4R4
ECOB03Y 2L: R0R3/M7EM8E 1T: T10T12/M4E
ECOB04Y 3L: T0R10
ECOB06Y 3L: T2R12R2
ECOB07F 2L: T1T12
ECOB09F 2L: T1T12
ECOB09F 2L: T4T5
ECOB10Y 2L: M4M5
ECOB11S 2L: R7R8E
ECOB12F 3L: M1T11R1

MTWRS (week days), E (classes commencing after 6 p.m.), L (lecture), T (tutorial), P (practice session).

SOSA01F Quantitative Methods in Social Sciences
This course introduces basic statistical methods with applications primarily to the Social Sciences. Students in Economics, Geography and Political Science should note that this course is prerequisite to certain courses in those fields. No students will be admitted after the third lecture.

Year Course/Prerequisites: None Corequisites: None
Instructor: Sawyer

SOSB04S Social Choice and Collective Action
A change in government policy always benefits one group of individuals and harms another. This course undertakes the study of ways in which such conflict between individuals can be resolved by means

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of techniques which reflect democratic values. Three topics are basic to the study of social choice:
1) the criteria which govern social choices, 2) the role of the individual in collective decision-making, and 3) the performance of democratic bodies in practice.
Prerequisites: Any course in Philosophy or Social Science
Corequisites: None
Instructor: Campbell

ECO081Y Economies: A Survey of Principles and Practice
[MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS ECO082Y] The purpose of this course is to provide a broad introduction to the field of Economics, and in particular to provide some insight into how an economy like the Canadian one functions. Among topics considered are the theories of production, exchange, and employment, the role of money and the banking system, governmental monetary and fiscal policy, price determination, and the role of competition, and international trade and foreign exchange.
Year Course/Prerequisites: None/Corequisites: None
Instructor: Bucovetsky

ECO082Y Quantitative Methods in Economics
This course is a continuation of SOSC1YF 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.
Spring Course/Prerequisites or Corequisites: SOSC1Y; ECO001Y or ECO06Y
Instructor: Pelikan

ECO083Y Introduction to the Theory of Price and Welfare
[MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS ECO082Y] An analysis of the market system and how, and to what extent, it serves social welfare. The emphasis is on the use of prices to decentralize decision-making in capitalist and socialist economies. Discussion of how the operation of the price system in Canadian economy differs from the ideal centers on pollution, poverty, unemployment, and monopoly. The student is expected to participate in tutorials, especially when capitalism and socialism are compared.
Year Course/Prerequisites: None/Corequisites: None
Instructor: Campbell

ECO084Y Price Theory
An intermediate level development of the principles of microeconomic at price and allocative 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.
Year Course/Prerequisites: ECO081Y or ECO063Y

Corequisites: None
Instructor: Bucovetsky

ECO082Y National Income and the National Economy
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.
Year Course/Prerequisites: ECO081Y or ECO063Y
Corequisites: None
Instructor: Bucovetsky

ECO083Y North American Economic History
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.
Year Course/Prerequisites: ECO081Y or ECO063Y
Corequisites: None
Instructor: Rea

ECO084Y European Economic History
A study of the emergence of industrial society in Europe since the seventeenth century. There will be some emphasis on the comparative experience of Britain and other European countries and the growth of the nineteenth century world economy. Particular attention is paid to technical change, the expansion of markets, population growth, the economic effects of public policy, and consequent changes in income levels and the structure of the economy.
Year Course/Prerequisites: ECO081Y or ECO063Y
Corequisites: None

ECO086Y Literature of Political Economy
A study of the classical literature of political economy, especially of selections from the works 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 and conflict of value are discussed.
Year Course/Prerequisites: ECO081Y or ECO063Y
Pre-or Corequisites: ECO081Y or ECO082Y
Instructor: Bladen
ECOB07S Economics of the Public Sector: Taxation
This course is concerned with the revenue side of government finance. In particular, it deals with existing tax structures, in Canada and elsewhere, and with criteria for tax design. Some attention will also be given to the use of governmental fiscal policy to regulate the level of economic activity.
Spring Course/Prerequisites: ECOBA01Y or ECOBA03Y;
ECOB08F is recommended but not required.
Corequisites: None
Instructor: Bucovetsky

ECOB08F Economics of the Public Sector: Expenditures
This course centers on the problem of choosing the appropriate levels of government outputs of goods and services when these outputs by their very nature are not produced privately and will therefore have no associated prices which can be used as a guide to decision-making. The even more general problem of social choice is studied in preparation for the theory of public expenditure. Particular topics covered include: the economics of education, provision of urban services, economics of federalism, the role of government in the private sector, the Canadian economy and the economics of nationalism.
Fall Course/Prerequisites: ECOBA01Y or ECOBA03Y
Corequisites: None
Instructor: Campbell

ECOB09F Economic Development
A term course analysing the processes of economic growth and development. Special attention will be given to the problems of devising policies to promote the development of less developed countries and regions.
Fall Course/Prerequisites: ECOBA01Y/Corequisites: ECOBA02Y
Instructor: Hogue

ECOB10Y Comparative Economic Systems
Whilst the majority of courses in Economics study problems of a given economic system, usually that which is characteristic for developed capitalist countries, this course presents other alternatives for organizing economic life in a society. The alternatives considered are both real systems as they have developed in some countries, especially in the U.S.S.R., Czechoslovakia, Yugoslavia and China, and some untried systems as they have been proposed on a purely speculative basis. The course will attempt to evaluate properties of these systems and compare their respective advantages and shortcomings.
Year Course/Prerequisites: ECOBA01Y or ECOBA03Y
Corequisites: None
Instructor: Pelikan

ECOB11S Money and Banking
[May not be taken in same degree programme as ECOBA11Y] An introduction to the role of government in the administration of the money market. The focus will be on analysis of monetary theory and monetary policy.
Spring Course/Prerequisites: ECOBA02Y/Corequisites: None

English
ENGA04Y 2L/M4W4
ENGA05Y 2L/W12M3E
ENGB01Y 3L/T11/T12/W12
ENGB02Y 3L/T2/R12
ENGB05Y 3L/W4R3
ENGB09Y 2L/M6/R3
ENGB10Y 1L/W10/W7/E
T1/M/R2/M4/R1/R1/R4/F1/R1/R6/W6/E
ENGB11Y 1L/W12
1T/R2/W1/3/F12/F2/F2
MTWRFS (week days). E (classes commencing after 6 p.m.), L (lecture), T (tutorial), P (practical session).

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 literature, and to a limited extent other literatures in English. Because English Studies is concerned with the communicative arts, much emphasis is given to close and comparative 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 Scarboro 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 Litera-
literature. The primary text is J.C. Pope, Seven Old English Poems. Year Course/Prerequisites: None/Corequisites: None Instructor: Patton

ENGBG0Y Chaucer
Lyric, House of Fame, Parliament of Fowles, Troilus and Criseyde, Canterbury Tales (selection). (Text: F.N. Robinson, ed.) Year Course/Prerequisites: None/Corequisites: None Instructor: Viciari

ENGBG0Y English Poetry, Prose and Drama, 1500-1800
Course not offered in 1971-2. This course will study the poetry, prose, and drama of the Restoration and Eighteenth Century with special reference to the work of Dryden, Pope, Swift and Johnson. Year Course/Prerequisites: None/Corequisites: None

ENGBG0Y Romantic Literature
Blake, Wordsworth, Coleridge, Byron, Shelley. Keats for special study; brief selections from other poets of the period. Wordsworth, Preface to Lyrical Ballads, Preface to the Edition of 1816; Coleridge, Biographia Literaria; Shelley, Defence of Poetry; Keats, Selected Letters; selections from other prose writers of the period. Year Course/Prerequisites: One other course in English Corequisites: None Instructor: Kay

ENGBG0Y Victorian Poetry
Course not offered in 1971-2. A study of the range of Victorian poetry with concentrated attention given to Tennyson and Browning. Other authors for study will be selected from Arnold, Heaslop, Clough, Fitzgerald, Hardy, Hopkins, Meredith, Morris, D.G. Rossetti, Swinburne, Poe and Whitman. Some critical writing of the period will also be read. Year Course/Prerequisites: None/Corequisites: None

ENGBG0Y Poetry and Prose of the English Renaissance
PROSE: More, Utopia; Machiavelli, The Prince; Montaigne, Essays (Books I & II); Sidney, Apology for Poetry, Bucanan, Advance ment of Learning (Book II); Essays (selections); New Atlantis; Dona e, Paradoxes and Problems (selections); Devotions upon Emergent Occasions (selection); Sermon at the Funeral of Sir William Cockayne Borrow; Un Buried (Chaps. III, IV, V); Milton, Areopagitica. POETRY: Spenser, Epithalamion; Sonnets (selections); Froce Hymn; Faerie Queene (Books I & II); Shakespeare, Sonnets (selections); Venus and Adonis; Dona e, pastoral, Marvell (selections); Milton, On the Morning of Christ's Nativity: Lycidas; Paradise Lost. Year Course/Prerequisites: None/Corequisites: None Instructor: Viciari
ENGB10Y Shakespeare
[MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS
ENGB12Y]. Special study of Romeo and Juliet, A Midsummer
Night's Dream, Richard II, Henry IV Parts 1 & 2, Twelfth Night,
The Tempest, Measure for Measure, Hamlet, Antony and Cleopatra, and
King Lear.
Year Course/Prerequisites: None/Corequisites: None
Instructor: Parent

ENGB11Y Varieties of Drama
Beckett, Endgame; Eliot, The Cocktail Party; Everyman; Ibsen, The
Wild Duck; Jonson, The Alchemist; Pinter, The Homecoming;
Shakespeare, The Merchant of Venice, Antony and Cleopatra;
Sophocles, Oedipus Rex; Webster, The Duchess of Malfi. At least
nine more plays, chosen so as to extend the range of types of drama,
and to illuminate by comparison the listed texts.
Year Course/Prerequisites: None/Corequisites: None
Instructor: Tait

ENGB12Y English Drama to 1642
A study of selected plays from the early medieval stage to the closing
of the theatres, with particular emphasis on Marlowe, Shakespeare,
Jonson, and Webster. Some attention will also be paid to stage condi-
tions and theatre history.
Year Course/Prerequisites: None/Corequisites: None
Instructor: Mergen

ENGB14Y Varieties of Fiction
An exploration of prose fiction ranging through many periods and
genres. Reading list to be supplied through the Divisional Office.
Year Course/Prerequisites: None/Corequisites: None

ENGB15Y English Poetry, A Study of Various Forms
A comparative study of forms, modes, themes, and styles of poetry
from various periods.
Year Course/Prerequisites: None/Corequisites: None
Instructor: Kirkham

ENGB16Y Fiction 1832-1900
A study of the development of the English novel in the Victorian
period. There will be some concern for the intellectual, social and
political climate from which the novels emerged as well as for the
techniques developed by the novelists to embody their visions of
man and society. Texts: Dickens, Bleak House; Thackeray, Vanity
Fair; G. Eliot, Silas Marner; Middlemarch; E. Bronson, Wuthering
Heights; Meredith, The Egoist; Trollope, Barchester Towers; Butler,
The Way of All Flesh; Hardy, The Return of the Native, Jude the Obscure;
Moore, Esther Waters; James, The Bostonians. Flaubert's Madame Bovary and Dostoievsky's The Brothers Karamazov will be
referred to as examples of Continental fiction in this period, and students intending to take this course are urged to read these novels, and as many of the texts as possible, during the summer.

Year Course/Prerequisites: None/None
Instructor: Thel

ENG171Y Fiction before 1832
At least twelve works, including one or more by each of Richardson, Fielding, Sterne, Jane Austen and Scott.
Year Course/Prerequisites: None/None
Instructor: Kay

ENG21Y American Literature 1867-1885
Selections from at least two pre-nineteenth century authors and Coo- per, Emerson, Poe, Thoreau, Hawthorne, Melville, Whitman, Dickin- son. Other authors may be added.
Year Course/Prerequisites: None/None

ENG22Y American Literature 1865-Present
Course not offered in 1971-2. Mark Twain, James, Faulkner, Eliot, Stevens, Williams. Additional authors, especially for the contem- porary period to be selected.
Year Course/Prerequisites: None/None

ENG24Y Major American Authors
Course not offered in 1971-2. A study of six authors from the follow- ing: Melville, Whitman, James, Faulkner, T. S. Eliot, Gertrude Stein and another author from the contemporary period.
Year Course/Prerequisites: None/None

ENG31Y Modern Drama
A study of developments in English, American and European drama from Ibsen to the present. The course will include plays by Chekhov, Strindberg, Shaw, Eliot, Yeats, Brecht, O'Neill, Albee, Osborne, Beckett.
Year Course/Prerequisites: ENG11Y/None
Instructor: Tait

ENG32T Modern Poetry
A study of Yeats, Eliot, Auden, Thomas and Frost as represented in individual selected editions, supplemented by readings from the works of other poets to English Masterpieces Vol. VII and The New American Poetry (Donald Allen, ed.). The course takes a concentra- tive approach toward the five prescribed poets while allowing for the free play of students' interest with regard to 20th century poetry in general.
Year Course/Prerequisites: None/None
Instructor: Rodgers

ENG301Y Four Major Renaissance Authors – Spenser, Milton, Donne and Jon- son
Advanced study, concentrating especially on Spenser and Milton. Spenser: Shepherds Calendar, Amoretti, Flowre Hymene, Epil- oghamion, Pseudoluson, Faerie Queene, books 1-3, 7; correspon- dence with Gabriel Harvey. Milton: all the poetry; four or five prose works. Donne: selected poetry and selected prose, concentrating on ser- mons. Jonson: representative selections from all the poetic works: Every Man In His Humour, Volpone, The Alchemist, Bartholomew Fair, 2 masques; selections from Timber.
Students will be required to write one major essay and prepare sev- eral seminar papers.
Year Course/Prerequisites: ENG301Y; another course in English, or two courses in English; one of the following as a pre- or co-requisite: FARB166, FARB17, CLAB01, FREL22Y, ITAB33, ITAB345, ITAB346, ITAB346.
Corequisites: see note under prerequisites
Instructor: Vicari

ENG305Y Four Major Restoration and Eighteenth Century Authors
Course not offered in 1971-2
Year Course/Prerequisites: None/None

ENG306Y Four Major Nineteenth Century Authors
A study in some depth of the writing of four leading figures in the liter- ature of a period characterized by change.
Year Course/Prerequisites: 2 previous courses in English, one of which must be a B level course/None
Instructor: Thomas

ENG308Y Four Major Modern Authors
[MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS ENG309Y]. A study of four of the following writers: Yeats, Eliot, Lawrence, Hemingway, William Carlos Williams.
Year Course/Prerequisites: 2 previous courses in English, one of which must be a B level course/None
Instructor: Kirkham, Tait

ENG311Y Paradise Lost
A reading and Paradise Lost as part of Tudor and Stuart Literature of Dissent. 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 phenomena of revolution and disobe- dience. Paradise Lost will be discussed in terms of the aesthetic, dramatic and rhetorical implications of Milton's chosen subject matter.
ENGQ12Y
Joseph Conrad and the Modern Novel
A study of Conrad's influence on three novelists who have acknowledged his importance for their 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.
Year Course/Prerequisites: ENGB14Y or ENGB16Y/Co-requisites: None
Instructor: Theil

ENGQ22F
The Contemporary Press
A study of newspapers and magazine writing and lay-out with a view to understanding its rhetorical and formal conventions. Material will be found in a range of Canadian, British and American dailies and periodicals (both specialized and general) drawn from the recent past and also, where possible, as they appear during the duration of the course. There will be visits to newspaper offices and presses and discussions with journalists of the technical problems which bear upon writing and presentation.
Fall Course/Prerequisites: One B-level course in English
Co-requisites: None
Instructor: Thomas

Students should also consult listing under:

CLAB045
Satire

CLAB065
Greek & Roman Comedy

GERB17Y
The German Novel from Goethe to Grass

HUMB018
Emergence of Modern Press

HUMB02F
Guilt and Conscience in Post-World War II Literature

HUMB05F
Fantasy in Narnia and Middle Earth

HUMB09F
Introduction to Cinema

HUMB15Y
Nineteenth-Century Poetry: Aesthetics

HUMD03F
Lyric Poetry of the Middle Ages in the Mediterranean Area

ITAL03S
Aspects of Italian Thought in the XV and XVI Centuries: In Translation

LINAB01Y
General Linguistics

PHIL00F
Philosophy in Literature

RUSB11Y
19th Century Russian Literature

RUSB21Y
Twentieth Century Russian Literature

Fine Art

FARAB01F
3L/2W/1F10
FARAB02S
3L/2T/1F10
FARAB02F
2L/T/1F2
FARAB03F
2L/1T/1F0
FARAB04F
2L/1T/1F0
FARB04Y
6P/MI2M1M2M3M4M5
FARB05Y
6P/M12M4M6M8M9
FARB12Y
2L/T/1F0
FARB12Y
2L/T/3P9
FARB14Y
2L/T/1F0

MTWRFs (week days), E(class commencing after 6pm) L(lecture), T(practical session).

In this subject library sources, slides, reproductions and photographs provide material for two approaches to study and interpretation:

i) Historically, as the visual and most concrete evidence of civilization by which the student will become acquainted with the main intellectual, religious, political and social trends as they have found expression in art. He will thus be introduced to a cultural history of a broad and international character.

ii) Aesthetically, as monuments of the creative mind. The interpretation of composition, of "design" in its wider sense, will make him aware of the value of beauty and give basis for intelligent aesthetic judgement.

Complementary courses in the humanities (e.g. History, Philosophy, Literature) are advised for students wishing to specialize in Fine Art.

For postgraduate work in the History of Art, a reading knowledge of French and German, and, depending on specialization, Italian or Latin and Greek, is required; this can most easily be obtained during the undergraduate years.

FARAB01F
Introduction to the History of Ancient and Medieval Art

A broad introduction through the study of major monuments and trends. Students will be required to complete background readings as well as be conversant with the material in H. W. Janson's History of Art.

Fall Course/Prerequisites: None/Co-requisites: None

FARAB02S
Introduction to the History of Art from 1100 to the Present

Problems of methodology, iconography, and terminology in art from the Renaissance to the contemporary period. The course will include informal discussions between students and instructor.

Spring Course/Prerequisites: None/Co-requisites: None
Instructor: Stielboff

FARAB02F
Gothic Art

The art and architecture of the years 1150 to 1400 in Western Europe will be studied to show its genesis, development, and diffusion, and
its position as a mirror of medival culture.  
Fall Course/Prerequisites: FARA01F/None

FARB03F Renaissance Art  
The architecture, sculpture and painting of the Renaissance in Europe (ca. 1460-1600) with primary emphasis on Italy.  
Fall Course/Prerequisites: FARA02S/None

FARB04S Baroque Art  
Art and architecture in Europe, ca. 1660-1700.  
Spring Course/Prerequisites: FARA02S/None

FARB10Y Workshop and Seminar in the Practice and Theory of Art  
Projects in various media embracing traditional, mixed, and experimental modes, will be supplemented by seminar discussions.  
Year Course/Prerequisites or Corequisites: FARA01F, FARA02S or equivalent  
Note: Prospective students should register in the course and present a portfolio of their work to the Fine Arts Department prior to September 1st. Final acceptance into the course will be dependent upon the decision of the instructor.

FARB11Y Intermediate Studio-Seminar  
Major emphasis will be placed on contemporary issues and developments in the visual arts.  
Year Course/Prerequisites: FARB10Y/Corequisites: PHILB57F or PHILB57S

FARB11Y Baroque Painting in the Netherlands  
The study of such figures as Rembrandt, Frans Hals, and Vermeer; Rubens and Van Dyck, in the context of the emerging bourgeois society.  
Year Course/Prerequisites: FARA02S/Corequisites: None  
Instructor: Siebeloff

FARB11S French Rococo  
An intensive study of the painting of Watteau, Boucher, Chardin, and Fragonard.  
Spring Course/Prerequisites: FARA02S/Corequisites: None  
Instructor: Staviaz

FARB22S Art and Culture in 10th Century Greece  
Course not offered in 1971-2. An exploration of the culture of classical Greece through its architecture, sculpture, and vase painting.  
Spring Course/Prerequisites: None/Corequisites: None  
Students should also consult listing under  
HUMB005 The Age of Augustus  
PHILB57F Aesthetics  
PHILB57S Aesthetics
Our basic course, FREA01Y, assuming satisfactory completion of Grade 13 French or equivalent, is devoted to consolidating the previous experience of students in reading, writing and speaking French, while acquiring 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.

FREA01Y Preparation for University French Studies
A basic course for students intending to devote a significant part of their undergraduate studies to French language and/or literature. The major part of it is devoted to practical language work (phonetics, language laboratory, oral classes, written composition).
Year Course/Prerequisites: Grade 13 French/Corequisites: None
periods which are related in some way may also be studied.

**FREB3Y Introduction to French Linguistics**
Course not offered in 1971-2. [MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS FREB3Y]. A study of linguistic theories from the beginning of the 20th century as applied to modern French.
Year Course/Prerequisites: FREB3Y/None

**FREB3Y The Romantic Current in French Literature**
[MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS FREB3Y]. This course is primarily a study of some of the works (poetry, prose, drama) of the main writers associated with French Romanticism in the 19th century. However, works from other periods which are in some way related may also be studied.
Year Course/Prerequisites: FREB3Y/None

**FREB3Y French Drama from 1600-1800**
Course not offered in 1971-2. This course provides a study of dramatic styles and techniques through a reading of representative plays of the 17th and 18th centuries.
Year Course/Prerequisites: FREB3Y/None

**FREB3Y French Drama from 1800**
Course not offered in 1971-2. [MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS FREB3Y]. 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.
Year Course/Prerequisites: FREB3Y/None

**FREB3Y French Prose Fiction from 1800-1900**
Course not offered in 1971-2. [MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS FREB3Y]. A study of important prose works (novels and short stories) representative of the main currents of 19th century French literature (Romanticism, Realism, Naturalism, etc.).
Year Course/Prerequisites: FREB3Y/None

**FREB3Y French Prose Fiction from 1900**
[MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS FREB3Y]. A study of important prose works (novels and short stories) representative of the main trends of 20th century French literature.
Year Course/Prerequisites: FREB3Y/None
Instructor: Bancroft

**FREB3Y The Literature of French Canada**
[MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS FREB3Y]. A study of representative works of French-Canadian literature from a historical and aesthetic point of view with main emphasis on the contemporary period.
Year Course/Prerequisites: FREB3Y/None
Instructor: Deoncent

**FREB3Y Language Practice**
This course is a continuation of FREB3Y and is designed to advance the student's competence in written and spoken French.
Year Course/Prerequisites: FREB3Y or FREB0Y/None
Instructor: Trembley

Students should also consult listing under

**PHIL006F Philosophy in Literature**

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**Geography**

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**The Literature of French Canada**

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**Language Practice**

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**Philosophy in Literature**

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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 is expanding as the College grows. At the present time not all of the courses required for the "Specialist in Geography" programme on the St. George campus are available at Scarborough. Students who are interested in obtaining a specialist degree in Geography must consult the current St. George campus calendar and confer with Geography faculty at Scarborough College.

Students interested in majoring in the subject are advised to include the full range of introductory Geography courses and GGR502Y in their programme. The introductory programme in Geography consists of six half courses. These are timetabled in such a way that they can be taken as three full courses. Geography A98F and A97S are scheduled at the same time; Geography A98F and Geography A96S lectures and tutorials are held at the same time and Geography A93S and Social Science Statistics SASA01F lectures are timetabled at identical times.

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 they are likely to embark upon. Certain courses in Chemistry, Physics, and Biological Sciences would be especially useful to those students majoring in Human Geography. Members of the faculty can provide detailed advice on course selection and the planning of a coherent and logical programme of studies.

SASA01F Quantitative Methods in Social Sciences

This course introduces basic statistical methods with applications primarily to the Social Sciences. Students in Economics, Geography and Political Science should note that this course is prerequisite to certain courses in those fields. No students will be admitted after the third lecture.

Fall Course Prerequisites: None Corequisites: None
Instructor: Sawyer

GGR091Y Introduction to Human Geography

An introduction to the main ideas and fields of interest in Human Geography, including the distributions and growth of world population, major cultural and economic contrasts, forms of settlement and urbanization. This course involves lecture, practical and seminar work.

Year Course Prerequisites: None Corequisites: None
Instructor: Tsyshchuk

GGR093F Introduction to Geography: Geographic Methods 1

Cartographic and Field Methods

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 types of maps. The course introduces some of the simpler basic field work techniques frequently used by geographers.

Fall and Spring Course Prerequisites: None Corequisites: None
Instructor: Sparrow

GGR096F Introduction to Geography: Environmental Analysis

[MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS GGR092Y]

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 soil systems, resource identification and analysis, and environmental hazards with particular attention to environmental pollution.

Fall Course Prerequisites: None Corequisites: None
Instructor: Francis

GGR097S Introduction to Geography: The Surface of the Earth

[MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS GGR092Y]

An introductory survey of the principles of physical geology and physical geography involved in the evaluation of man's physical environment. Included is a brief review of earth materials, the rock cycle, subsurface and surface processes, structure of the atmosphere, and current theories on the origin and development of the lithosphere and biosphere.

Spring Course Prerequisites: None Corequisites: None—a background in Science will be helpful but not essential.
Instructor: Greenwood

GGR098F Introduction to Geography: Regional Analysis

[MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS...
An introduction to the concepts, methods and practice of regional study in Geography. Theoretical regionalism is a 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.

Course/Prerequisites: None/None
Instructor: Cove

**GGR502Y Urban Geography**
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; immigration; city planning and urban renewal.

Course/Prerequisites: GGRA01Y or GGRA06 or GGRA07S
Instructor: Cove

**GGR508Y The Geography of Economic Activities**
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.

Course/Prerequisites: GGRA01Y or GGRA06 or GGRA07S or GGRA07S
Instructor: B. Cove

**GGR507Y Geomorphology**
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 can be divided into two main units: 1) Morphology and Process: The Pleistocene, 2) Morphology and Process: Recent Fluvial and Coastal Geomorphology. In each component an attempt will be made to illustrate the relations between the mechanics of erosion, transportation and deposition and the landscape form.

Course/Prerequisites: GGRA06Y or GGRA07S or GGRA07S or GGRA07S
Instructor: Greenwood

**GGR508Y Geography of Underdeveloped Areas**
An examination of the definition, nature, performance and problems of underdeveloped areas. It involves a discussion of underdevelopment as a phenomena, 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.
Year Course/Prerequisites: GGRA01Y (or, after 1971-72, GGRA08Y; GGRA09S); GGRB02Y/Co-requisites: None
Instructor: Tsyvah

GGRB02Y Special Topics
(1971-2: Advanced Geographic Methods)
Advanced analytical and quantitative techniques currently used in Geography will be considered. Laboratory work will deal with examples of specific techniques discussed in the lecture course.
Year Course/Prerequisites: GGRB02Y/Co-requisites: None
Instructor: Staff

GGRC02Y Supervised Research
Students will be required to complete a dissertation and discuss it with an examining committee. The topic for the research project should be selected by the end of the third year of 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.
Year Course/Prerequisites: Any fifteen courses. By the end of the student's fourth year, at least eight courses in Geography (not including GGRC01Y) must have been completed/Co-requisites: None
Instructor: Staff

GGRC02Y Rural Land Use
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.
Year Course/Prerequisites: GGRB02Y; GGRB06Y/Co-requisites: None
Instructor: Bruce

GGRC03S Regional Industrial Analysis and Development
Industrial location theory of individual and sets of activities. Theories of regional economic growth; spatial structure of regional and inter-regional systems. Examination of public policy in regional development from both theoretical and empirical standpoints.
Spring Course/Prerequisites: ECOB03Y; GGRB02Y/Co-requisites: None
Instructor: Hewings

GGRC04S Urbanization in Ontario
Course not offered in 1971-2. 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 townscapes; urbanization of the rural landscape. Discussions will focus mainly on case studies of selected topics including: "project-building" in the City; images of city form; planning for regional growth in Metropolitan Toronto; specialization 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.
Spring Course/Prerequisites: GGRB03Y/Co-requisites: None
Instructor: Cavan

GGRC05F Theory and Method in Modern Quantitative Geomorphology
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.
Fall Course/Prerequisites: GGRB02Y/Co-requisites: None
Instructor: Greenwood

GGRC06S Biogeography
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.
Spring Course/Prerequisites: GGRA02Y (or, after 1971-72, GGRA08Y; GGRA09S); GGRB03Y; at least 2 other B-level Geography courses/Co-requisites: None
Instructor: Sparrow

GGRC07Y Advanced Readings in Selected Fields of Geography
Advanced reading and study courses with a programme to be planned in consultation between students and instructors.
Year Course/Prerequisites: At least 3 B-level Geography courses; permission of instructor/Co-requisites: None
Instructor: Staff

GGRC08F Field Problems in Geography
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.

Fall Course/Prerequisites: GERR82Y; at least 2 other B level Geography courses/Co-requisites: None
Instructor: Francis

GERC995 Canada North of Sixty
A seminar in Resource Geography dealing with selected problems in arctic resource perception, analysis and evaluation including the analysis of arctic operational systems, biotic systems, terrain systems, and human and cultural systems. For specific subjects, a comparative approach may be taken using Soviet, Alaskan, Scandinavian and northern analogues. Students will assume considerable responsibility for setting specific subject content and direction of the seminar.
Spring Course/Prerequisites: GERR82Y; at least 2 other B level Geography courses/Co-requisites: None
Instructor: Francis

German
GERA01Y  GL: M9W2F3  GERR81Y  GL: T2R2F2  GERR87 YL: T2R2F2
GERB01F  GL: M9W3F12  GERR82Y  GL: W2E2F8  GERR82F  Arranged with
GERB02F  GL: M9W3F12  GERR83S  GL: W2F2F8  Instructor
GERB03S  GL: M9W3F12  GERR83S  GL: W2F2F8  Instructor
GERB04H  2T: M9W4  GERR84H  2T: M11W11  GERR84H  Arranged with
GERB11Y  GL: T2W9F11  GERR11Y  GL: T2R2F2  Instructor
GERB11S  GL: T2R2F2
MTWRF'S (week days); F (classes commencing after 6 pm) J (lecture), T (tutorials) P (practical sessions).

For the past centuries Germany, together with Austria and German-speaking Switzerland, has played important roles in European life, both as leaders in commerce and industry and as the homeland of great musicians, philosophers, scientists, psychologists, and religious and political thinkers. Their scholars are unrivalled in such fields as Biblical Studies, Medieval Studies, Philosophy, Archeology, Art and Music History and Physics and Chemistry. German literature is equally distinguished. It has been concerned with the widest range of human problems, philosophical and psychological, social and economic, moral and religious.

The courses in German offer a thorough study of the language and of the important authors from the Middle Ages to modern times. Language study includes phonetics and laboratory work, oral expression, translation, and essay-writing.

GERA01Y Introduction to German Language and Literature
Intensive language work, focusing on oral and written composition. Close readings of poetry, drama, and prose of the 20th century.
Year Course/Prerequisites: Grade 13 or equivalent/Co-requisites: None

GERB01F German Literature before 1775
The course is to provide the student with a background in German literary history, so that he will be better equipped to understand the development from the middle of the 16th century onward.
Fall Course/Prerequisites: GERA01Y/Co-requisites: GERR84H
Instructor: Wittmann

GERB02F 20th Century Prose
A study of essays, novels, short stories, and novellas by such authors as Mann, Musil, Kafka, Brecht, Boll, Grass.
Fall Course/Prerequisites: GERA01Y/Co-requisites: GERR84H

GERB03S 20th Century Drama and Poetry
The course will deal with plays by Wedekind, representative playwrights of Expressionism, Brecht, Frisch, Diez, Breuer, younger German writers such as Hoch, Kipphardt, Weiss. The poetry will be selected from the works of Rilke, George, Hoffmann, Hilde, the Expressionists Heym, Thoma, Benz, Laske, Schuhler, Kaschnitz, Cela, Ernshouder.
Spring Course/Prerequisites: GERA01Y/Co-requisites: GERR84H

GERB04H Advanced Conversation and Composition
A continuation of the language work done in GERA01Y on a higher level.
Year-long Half Course/Prerequisites: GERA01Y/Co-requisites: Any one of, GERR81Y, GERR82Y, GERR83S, GERR81Y, GERR82Y, GERR81Y, GERR81F, GERR81F

GERB11Y Classicism
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 Windelband and Herder will be discussed along with essays and the exchange of letters by Schiller and Goethe.
Year Course/Prerequisites: GERA01Y/Co-requisites: GERR84H

[GERB12Y Literature of "Sturm und Drang" and Romanticism
Course not offered in 1971-2. The early dramatic and poetic writings of Goethe and Schiller, e.g. Götter von Berlichingen and Die Räuber, will be studied along with works by authors such as Less, Klinger, etc. 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.
Year Course/Prerequisites: GER101Y/Concurrent: GER104H

GER115S 19th Century Prose
The course will be concerned with the novellas and novels by writers such as Storm, Debatte-Flitkoff, E. T. A. Hoffmann, Keller, Fontane, Hauptmann, et al.
Spring Course/Prerequisites: GER101Y/Concurrent: GER104H

GER118F 19th Century Drama and Poetry
The development of drama from Bichler to Hauptmann. The discussion of plays by these authors and by Grebe, 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.
Fall Course/Prerequisites: GER101Y/Concurrent: GER104H

GER117Y The German Novel from Goethe to Grass (Texts in English Translation)
Readings, analysis and discussion of major novels by Goethe, Stifter, Keller, Th. Mann, Heine, Mann, Grass, et al. [This course does not count towards fulfillment of specialist requirement at St. Googe campus]
Year Course/Prerequisites: None/Concurrent: None

GERC02F Seminars on Special Topics
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.
Fall Course/Prerequisites: GER101Y; GER104H
Concurrent: GER204H

GERC03S Seminars on Special Topics
See GER202F above.
Spring Course/Prerequisites: GER101Y; GER104H
Concurrent: GER204H

GERC04H Stylistics
Building on the more general language work done in GER101Y and GER104H, this course will be concerned with the finer points of expository and creative writing and close text analysis.
Year-long Half Course/Prerequisites: GER101Y, GER104H
Concurrent: Any one of GER202F, GER203S, GER211Y, GER212Y, GER215S, GER216F, GER202F, GER203S
Students should also consult listing under
HUMB01S Emergence of Modern Prose
HUMB02F Guilt and Conscience in Post-World War II Literature

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MTWRFS (week days), E (classes commencing after 6 p.m.), L (lectures), T (tutorial), P (practical session).

History is a humanistic 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 History programme consists of two different types of courses. In the A and B series the instructor provides by means of lectures and tutorials the opportunity for informed discussion of major issues within a broad historical field. In the C series, students investigate a specific problem in depth through a close study of primary sources and other available evidence, and present their findings in a major paper. Because of their nature, enrollment in C series courses is limited. Students are strongly advised to enroll in no more than two C series courses or their equivalent in any one academic year.

Courses in Greek and Roman History are listed in this calendar under the heading Classics.

Students who intend 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 should aim to complete during four years at least nine full year history courses or their equivalent, including HIS091Y.

HIS091Y Introduction to European History
A survey of European society from the Middle Ages to the present. 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.

Year Course/Prerequisites: None/Corequisites: None
Instructor: Ekstein, Pearl

HIS091Y British History Since 1785
An examination of the forces, political, social, economic and religious, which transformed an aristocratic society into a world-wide industrial power and the reason for its subsequent decline.

Year Course/Prerequisites: None/Corequisites: None
Instructor: Kenyon

HIS091Y History of the United States
General survey of American political economic and diplomatic history from the Revolution to the present day.

Year Course/Prerequisites: None/Corequisites: None
Instructor: Skopec, Dick

HIS095F Canadian History Since Confederation
Confederation and the consolidation of the Dominion; national development and World War I; the development of nationalism; the Great Depression and regional political reactions; external relations and involvement in World War II.

Spring Course/Prerequisites: None/Corequisites: None

HIS097Y Russian Since the Ninth Century
Course not offered in 1977-1.

The Russian people, state and culture with emphasis on major institutional, social and ideological changes. First term: the origins of Russian history, paganism and Christianity, Mongol influence, the forging of Moscow's supremacy, westernisation to 1600. Second term: the imperial regime, the radical intelligentsia, the Revolution and the establishment of the Soviet regime. The Stalin revolution in agriculture, industry and society, foreign relations.

Year Course/Prerequisites: None/Corequisites: None
HISB09Y Europe 400-1100
The breakdown of the Roman Empire and the reconstruction of society in the early Middle Ages, with emphasis on the development and interaction of social and political structures. The focus is on Western Europe, but attention is also paid to the Byzantine Empire, for purposes of comparison. The course will emphasize close study of the primary sources for the period; these sources will be read in translation.
Year Course/Prerequisites: None/None
Instructor: Corbett

HISB13T European Urban History
This seminar will examine the city as a historical institution from the rise of the Medieval town to the city of the industrial age. Emphasis will be upon social and intellectual factors, though other areas such as urban planning and architecture will be discussed.
Year Course/Prerequisites: HIS/ST1Y/None
Instructor: Pearl

HISB17T Germany from Bismarck to Brandt
A thematic treatment of German history from the mid-nineteenth century to the present, concentrating on ideas and movements in politics, society, and culture.
Year Course/Prerequisites: HIS/ST1Y/None
Instructor: Eklof

HISB21F Frontier Communities in the British Empire-Commonwealth
[MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS HISB19F] A comparative study of the influence of frontier 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 metropole, are considered.
Full Course/Prerequisites: HISB01Y/None
Instructor: Kenyon

HISB22S British Imperialism in Asia and Africa
[MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS HISB19Y] An examination of imperialism 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.
Spring Course/Prerequisites: HISB01Y/None
Instructor: Kenyon

HISB31Y The South before the Civil War
Social structure and social conflict in the old South, the development of southern culture, the relationship between ideology and institutions. Slavery as a social and economic system, the political economy and practices of the South, and the growth of southern nationalism and separatism from the colonial period to the Confederacy.
Year Course/Prerequisites: HISB03Y/None
Instructor: Shops

HISB35Y American Labour and the Left
A study of the personalities and institutions of American Labour and their relationship to the American Left 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.
Year Course/Prerequisites: HISB03Y/None
Instructor: Dick

HISB41F Old Huronia
Course not offered in 1971-2. The political, social, religious, and economic life of the Huron Indians at the time of European contact: the religious 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.
Full Course/Prerequisites: HISB05Y/None
Instructor: Moir

HISB425 Church-State Relations in Canada
Course not offered in 1971-2. 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.
Spring Course/Prerequisites: HISB03Y/None
Instructor: Moir

HISCO1F Advanced Reading Programme on Special Topics
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. In special circumstances may be made a year course.
Full Course/Prerequisites: Permission of the Instructor
Corequisites: None
Instructor: The Faculty in History

HISCO2S Advanced Reading Programme on Special Topics
See HISCO1F above.
Spring Course/Prerequisites: Permission of the Instructor
Corequisites: None
Instructor: The Faculty in History

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HUMB015 Emergence of Modern Prose

[MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS LITB011] A study of the "Crisis of Consciousness" and its impact on the subject-object relationship; a comparative analysis of narrative techniques as well as the transformation of the empirical world in modern European literature. The following authors will be considered: Joyce, Woolf, Proust, Maeterlinck, Ibsen, Hofmannsthal, Rilke, Musil, Kafka.

Reading knowledge of French, German or Russian recommended.

Spring Course/Prerequisites: HUMB010Y/Correquisite: None

Instructor: Wittmann

HUMB02F Guilt and Conscience in Post-World War II Literature

[MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS LITB022] An in-depth study of post-World War II Russian and German literature. An analysis of the literature of guilt including, among others, works by Solzhenitsyn, Pasternak, and others.

Reading knowledge of French, German or Russian recommended.

Full Course/Prerequisites: None/Correquisite: None

Instructor: Ponomareff

[HUMB04Y Contemporary Literatures in English: West Indies, Africa and Australia]

Course not offered in 1971-2. [MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS LITB04Y] The course will endeavour to
compare and contrast the literature of the West Indies, Africa, India, and Australia tracing similar themes and patterns that appear in the writings of all four areas.

The following authors will be considered: Wilson Harris, V. S. Naipaul, Chinua Achebe, Wole Soyinka, J. P. Clark, Roger Reo, Patrick White and Randolph Stow.

Year Course/Prerequisites: None/Corequisites: None
Instructor: Howard

HUMB005 Fantasy in Narnia and Middle Earth
An examination of the novels of William Morris, Lord Dunsany, George MacDonald, C. S. Lewis, Charles Williams, and J. R. R. Tolkien with a view towards the role of the fantasy novel as a reflection of the modern world and as an escape from it.
Full Course/Prerequisites: None/Corequisites: None
Instructor: Salinas

HUMB006 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 Lycurgus (On friendship). Cicero: On Friendship and Love, The Art of Love; also a look at famous friends and lovers, both historical and mythological, as they are described in classical literature.
Spring Course/Prerequisites: None/Corequisites: None
Instructor: Irwin

HUMB007 "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.) This is the first in a series of courses which will explore the significance in western culture of certain mythical themes and figures from a variety of points of view: those of Anthropology, Psychology, Literature, Music and Fine Art. Future possibilities include: Oedipus, Antigone, Orpheus.
Full Course/Prerequisites: None/Corequisites: None
Instructor: McDonald

HUMB008 The Age of Augustus
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 studied, and the contemporary consciousness of both literature and art as they expanded in new directions will be examined.
Spring Course/Prerequisites: None/Corequisites: None
Instructor: McDonald

HUMB009 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. Recommended preliminary reading: Stephenson and DeBris, The Cinema as Art, or Bukker, The Elements of Film. Broadway, The Parade Has Gone By; Lindgren, The Art of the Film.
Your Course/Prerequisites: One previous course in Literature or Fine Art/Corequisites: None
Instructor: Mattheson, Oliver

HUMB105 Nineteenth-Century Poetry: Aesthetics
Aesthetic trends in the poetry of France, England, and Spanish-America in the second half of the Nineteenth Century—Parnassianism, Symbolism, Pu-Raphaelism, and Modernism—will be examined through the comparative analysis of representative texts.
Your Course/Prerequisites: Reading knowledge of Spanish or French/Corequisites: None
Instructor: Squire

HUMC015 Lyric Poetry of the Middle Ages in the Mediterranean Area
A comparative analysis of one or several representative texts or collections of texts from Hispanic-Arabic, Galician-Portuguese, Catalan, Provençal, Catalán, Italian and Sicilian sources; supplementary lectures concerning Classical and Mediaeval Rhetorics and Arts of Poetry, versification, metrics and basic Medieval rhetorical terminology. Given in English. The student preferably should be in the 3rd or 4th 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.
Full Course/Prerequisites: A B-level course in either Romance Literature or English Literature/Corequisites: None
Instructor: Barta

Students should also consult listing under
CLA1045 Satire
CLA1005 Greek & Roman Comedy
CLA1025 Greek & Roman Religion
GERB17 The German Novel from Goethe to Grass
ITAB335 Aspects of Italian Thought in the XV and XVI Centuries: In Translation
RUSB1117 19th Century Russian Literature
RUSB2117 Twentieth Century Russian Literature
RUSB235 Soviet-Russian Undergraduate Literature
Italian

ITA301Y 4L, MW 1001, 1201, 1401
ITA302F 1P W 2
ITA305Y 3L, MW 1001
ITA405S 3T, MW 1001, 1201
ITA411Y 3T, MW 1001, 1201
ITA412Y 3T, MW 1001
MTWRFS (week days), E (classes commencing after 8pm), L (lecture), T (tutorial), P (practical session).

The key to a comprehensive and coherent plan of study lies in per-
sonal academic counselling. Those students interested in a particular
under-graduate programme in Italian Studies, or those wishing to
continue their studies at a graduate level, or those planning to go to
the College of Education, must discuss their programmes with their
instructors at the earliest possible date.

There are many courses given in other areas which may prove
directly valuable to the student as adjuncts to his plan of studies, or
may be of interest as an enrichment of his total programme. Those
students interested in area or other interdisciplinary programmes
must also confer with their instructors, in order to obtain every pos-
ible advantage which Scraborough College has to offer.

ITA001Y Introductory Italian

Main elements of the Italian grammar. Stress will also be given to
oral practice in the classroom and in the laboratory. Short contem-
porary texts will be studied and translated in the second term.
Year Course/Prerequisites: None Corequisites: None
Instructor: Katz

ITA002F Intermediate Italian

Intensive review of the grammar. Drills, exercises and compositions
to develop greater skill in writing and speaking the language.
Full Course/Prerequisites: ITA001Y/Co-requisites: None
Instructor: Katz

ITA003S Conversation, Intermediate

Course not offered in 1971-2. 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.
Spring Course/Prerequisites: ITA001Y or Grade 13 Italian
Corequisites: None

ITA004S Advanced Composition and Conversation

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.
Spring Course/Prerequisites: ITA003S/Co-requisites: None
Instructor: Katz

ITA11Y Twentieth Century Literature and Culture

The aftermath of Italian unification, From Decadentism to Existen-
tialism. The problems, issues, ideas and personalities in the last
hundred years of Italian history as reflected in the novel, drama and
poetry.
Year Course/Prerequisites: ITA001Y/Co-requisites: None
Instructor: Katz and others

ITA21Y Introduction to Italian Literature

A survey of Italian literature from the Middle Ages to the present.
Emphasis will be given to periods and authors of major importance.
Year Course/Prerequisites: ITA002F/Co-requisites: None
Instructor: Katz

ITA31Y Dante and Medieval Culture

Introduction to Medieval Italian literature: its origin and develop-
ment, leading up to Dante and the masterpiece of the Middle Ages.
The Divine Comedy: a brief survey of his minor works; their signifi-
cance in terms of the life and culture of the time.
Year Course/Prerequisites: ITA001Y/Co-requisites: None
Instructor: Francescetti

ITA32S Petrarch and Boccaccio

The Canzoniere and the Decameron: The rise of Humanistic thought
and culture, the beginnings of the Renaissance.
Spring Term/Prerequisites: ITA002F/Co-requisites: None
Instructor: Katz

ITA33S Aspects of Italian Thought in the XV and XVI Centuries: In Translation

The origins of Italian Humanism with Petrarch and Boccaccio: its
development in the XV Century with Valla, Picino and Picco: its full
flowering in the Renaissance with the political theories of Machiavelli and Guicciardini. A study of Castiglione's figure of The
Courtier.
Spring Course/Prerequisites: None/Co-requisites: None
Instructor: Francescetti

ITA34S The Renaissance Epic

Course not offered in 1971-2. A brief survey of the origins of epic
poetry in the Middle Ages will precede the study of the masterpieces
of the Renaissance Epic: Pulci's Morgante, Boiardo's Orlando
Innamorato, and Ariosto's Orlando Furioso.
Spring Course/Prerequisites: ITA003S/Co-requisites: None
LINA01Y General Linguistics
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 underlie actual utterances.
Year Course/Prerequisites: None Corequisites: None
Instructor: Woods

LINB01F Bases of Linguistic Theory
Course not offered in 1971-2. 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."
Fall Course/Prerequisites: LINA01Y Corequisites: None
Instructor: Salus

LINB02S Phonology
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.
Spring Course/Prerequisites: LINA01Y Corequisites: None
Instructor: Woods

LINB03F Syntax
Contemporary views of larger linguistic units, their analysis and constitution. Immediate constituent analysis and the transformational-generative approach.
Fall course/Prerequisites: LINA01Y Corequisites: None
Instructor: Woods

LINB04F Historical and Comparative Linguistics
Language change and language relationships: Linguistic typology, language universals, the Indo-European family and other language families.
Full Course/Prerequisites: None Corequisites: None
Instructor: Grant

LINBS0S Psycholinguistics
Primary language acquisition; language encoding and decoding; the perception of speech.
Spring Course/Pre- or Corequisites: LINA01Y
Instructor: Salus

LINB05S Semantics
Course not offered in 1971-2. The study of grammatical and lexical meaning. The interpretation and derivation of lexical information. The nature of ambiguity.

The immense importance of Mathematics in science derives from the power it confers 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, spectrometers, 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.
MATB30F
Geometry I
Full Course/Prerequisites: MATA455S/Co-requisites: None

MATB35S
Geometry II
Spring Course/Prerequisites: MATB30F/Co-requisites: None

MATB40F
Linear Algebra II
Deal space, inner product spaces, orthonormal bases, eigenvalues, eigenvectors, reduction of symmetric matrices. Full Course/Prerequisites: MATA455S/Co-requisites: None

MATB41F
Vector Calculus
[MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS MATB40F OR MATB40F.] Differential and integral calculus of vector functions of a vector variable, with emphasis on $\mathbb{R}^2$ and $\mathbb{R}^3$. Partial Derivatives. Power series and analytic vector functions. Line, surface and multiple integrals. Gradient, curl, divergence, Green’s Theorem and Stokes’ Theorem. (This course concentrates on computational techniques with a careful statement of results but little emphasis on proofs.)
Full Course/Prerequisites: MATA55Y; MATA455S
Corequisites: None

MATB40S
Linear Algebra III
Canonical forms; bilinear, quadratic and Hermitian forms; spectral properties; exterior algebra, tensors. Spring Course/Prerequisites: MATB40F/Co-requisites: None

MATB50F
Analysis I
[MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS MATB41F.] (Not recommended for students with less than 12 standing in prerequisites.) The theory of differential vector calculus and the topology of $\mathbb{R}^n$. The derivative as a linear approximation. Partial derivatives. Inverse and implicit function theorems. Analytic mappings. Metric, open and closed sets, connectedness and compactness in $\mathbb{R}^n$. Continuous and uniformly continuous functions. (Emphasis on proofs and mathematical rigor.)
Full Course/Prerequisites: MATA55Y; MATA455S
Corequisites: None

MATB51F
Differential Equations I
[MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS MATB40Y.] First and second order ordinary differential equations. Operational methods, variation of parameters, solution in series. Full Course/Prerequisites: MATA55Y
Corequisites: MATA455S; MATB40F or MATB41F

MATB52F
Probability and Statistics I
Sample space, random variables, univariate and bivariate distributions, correlation, elementary statistical inference, point and interval estimation. Tests of significance, parametric and non-parametric. Full Course/Prerequisites: Grade 13 Math (Preferably Math B); MATA55Y/Co-requisites: None

MATB53F
Numerical Methods
Numerical methods and their implementation on a computer. Solution of linear and non-linear equations. Iconditioned problems and error estimates. Numerical integration and solution of initial value problems in ordinary differential equations. Full Course/Prerequisite: MATA455S
Corequisites: MATA40F; MATA55Y

MATB55S
Analysis II
The theory of Integral Vector Calculus. Multiple integrals and transformation of variables. Integration of forms, Exterior calculus in $\mathbb{R}^n$. Line integrals, winding number, Green’s theorem, Surface integrals and Stokes’ theorem. (Mathematical rigour is emphasized.) Spring Course/Prerequisites: MATB50F/Co-requisites: None

MATB56S
Differential Equations II

MATB57S
Probability and Statistics II
Distributions of functions of random variables. Analysis of variance. Selected applications, including design of experiments. Spring Course/Prerequisites: MATB52F/Co-requisites: None

MATB58S
Problem Solving with Computers
Computer applications. Non-numerical problems and simulations. Validity of computer models. Linear programming, Graphs. Spring Course/Prerequisites: MATB53F/Co-requisites: None

MATB68S
Programming Languages and Their Applications
Programming languages and applications. The syntax and semantics
of various programming languages, including both algebraic and symbol manipulation languages. Data structures, numerical and non-numerical applications.

Spring Course/Prerequisites: MAT458S/Corequisites: None

MATC40F Algebra I
[MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS MATB02Y.] The structure of groups, rings and fields. Integers, congruences, factorization, Rational, real and complex fields.
Fall Course/Prerequisites: MATA44S; one B-level Mathematics course/Corequisites: None

MATC45S Algebra II
[MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS MATB02Y.] Euclidean domains, polynomials, factorization and quotient fields, field extensions and finite fields, finite groups, Galois theory.
Spring Course/Prerequisites: MATC40F/Corequisites: None

MATC50F Real Analysis I
Fall Course/Prerequisites: MATB05S/Corequisites: None

MATC31F Differential Equations III
Fall Course/Prerequisites: MATB07Y or MATB36S
Corequisites: None

MATC55S Real Analysis II
Linear functionals, conjugate space, weak topology. Linear operators, completely continuous operators in Hilbert space. Measure and integration (the Stieltjes and Lebesgue integrals). Differentiation, Radon-Nikodym theorem.
Spring Course/Prerequisites: MATC30F/Corequisites: None

MATC30F Complex Analysis I
Complex plane, Riemann sphere, Möbius transformations. Holomorphic functions, Cauchy’s integral formula, Taylor and Laurent expansions.
Fall Course/Prerequisites: MATB55S or MATB41F
Corequisites: None
**Philosophy**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Course Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHLB51Y</td>
<td>Intro to Philosophy</td>
<td>An introduction to the problems and areas of Philosophy: logic, ethics, knowledge, God, mind, and freedom.</td>
</tr>
<tr>
<td>PHLB51F</td>
<td>Ethics</td>
<td>An introduction to topics in moral Philosophy: relativism, subjectivism, egoism, utilitarianism, and others.</td>
</tr>
</tbody>
</table>

**Philosophy**

- Philosophy consists of a critical analysis of the fundamental ideas and concepts at the roots of major areas of human concern such 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.

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**MATC65**

Complex Analysis II
- Rouch's theorem, Maximum modulus theorem. Residue calculus, analytic continuation, normal families and Reinmann mapping theorem.

**Course/Prerequisites:** MATC65F/Corequisites: None

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**PHILB52F**

The State and the Citizen
- May not be taken in same degree programme as PHILB52Y. An introduction to topics in political Philosophy: the nature of the state, its justification, its proper limits, and the obligations of a citizen.
- Full Course/Prerequisites: [A previous term in Philosophy is recommended but not required] Corequisites: None
- Instructor: Graham

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**PHILB53F**

Symbolic Logic
- May not be taken in same degree programme as PHILB53F. An introduction to formal techniques of reasoning: sentential logic, quantification theory, and probability theory.
- Full Course/Prerequisites: None/Corequisites: None
- Instructor: Mosher

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**PHILB54F**

Theory of Knowledge
- May not be taken in same degree programme as PHILB54F. An introduction to problems concerning knowledge and belief: perception, induction, memory, certainty, and others.
- Full Course/Prerequisites: [A previous term in Philosophy is recommended but not required] Corequisites: None
- Instructor: Chastain

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**PHILB55Y**

Metaphysics
- May not be taken in same degree programme as PHILB55Y. A study of such topics as causation, space and time, particulars, substance, qualities, free will, and personal identity.
- Spring Course/Prerequisites: [A previous term in Philosophy is strongly recommended but not required] Corequisites: None
- Instructor: Graham

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**PHILB56F**

Philosophy of Religion
- May not be taken in same degree programme as PHILB56F OR PHILB51Y. A study of such topics as the nature and existence of God, immortality, God and morality, and religious language and symbolism.
- Full and Spring Course/Prerequisites: [A previous term in Philosophy is recommended but not required] Corequisites: None
- Instructor: Gooch, Mosher

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**PHILB57F**

Aesthetics
- May not be taken in same degree programme as PHILB57F. A study of such topics as the nature and functions of art, the creative process, aesthetic experience and aesthetic evaluation.
- Full and Spring Course/Prerequisites: [A previous term in Philosophy is recommended but not required] Corequisites: None
- Instructor: Hartman
PHILB60F Philosophy in Literature
[MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS PHILB62F.] A study of philosophical ideas as expressed in literature. We study such authors as Descartes, Camus, Henry James, and Virginia Woolf.
Fall Course/Prerequisites: [A previous term in Philosophy is recommended but not required] Corequisites: None
Instructor: Clancy

PHILB62H Ethical Theories
Half Course/Prerequisites: [A previous term in Philosophy is recommended but not required] Corequisites: None

PHILB65F Greek Philosophy: Plato and his Predecessors
[MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS PHILB61F.] Fall Course/Prerequisites: [A previous term in Philosophy is recommended but not required] Corequisites: None
Instructor: Mosher

PHILB665 Greek Philosophy: Aristotle and later Greek Philosophy
Course not offered in 1971-2. [MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS PHILB61F] Spring Course/Prerequisites: [A previous term in Philosophy is recommended but not required] Corequisites: None

PHILB675 Medieval Philosophy
Course not offered in 1971-2. [MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS PHILB125] The philosophies of Augustine, Aquinas, Ockham, and others.
Spring Course/Prerequisites: [A previous term in Philosophy is recommended but not required] Corequisites: None

PHILB69 Rationalism
Fall Course/Prerequisites: [A previous term in Philosophy is recommended but not required] Corequisites: None

PHILB70S British Empiricism
[MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS PHILB14S] The philosophies of Locke, Berkeley, and Hume.
Spring Course/Prerequisites: [A previous term in Philosophy is recommended but not required] Corequisites: None
Instructor: Goech

PHILB73F Perspectives in Contemporary Philosophy
A study of contrasting contemporary philosophies: existentialism, Marxism, logical positivism, and recent analysis.
Fall Course/Prerequisites: [A previous term in Philosophy is recommended but not required] Corequisites: None
Instructor: Hartman

PHILC31S Kant: The Critique of Pure Reason
Course not offered in 1971-2.
Spring Course/Prerequisites: PHILB69F or PHILB70S Corequisites: None

PHILC32F Nineteenth-century Philosophy
Course not offered in 1971-2. [MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS PHILB16F] German idealism and reactions to it: philosophies of Fichte, Hegel, Kant, and others.
Fall Course/Prerequisites: One of PHILB54F, PHILB55F, PHILB65F, PHILB665, PHILB675, PHILB69F, PHILB70S Corequisites: None

PHILC33S Twentieth-century Philosophy
Course not offered in 1971-2. [MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS PHILB17F OR PHILB75] philosophers such as Russell, Moore, Wittgenstein, Dewey, and others.
Spring Course/Prerequisites: One course from PHILB51F, PHILB54F, PHILB65F, PHILB665, PHILB675, PHILB69F, PHILB70S Corequisites: None

PHILC445 Existentialism and Phenomenology
[MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS PHILB14F OR PHILB18S] Philosophers such as Kierkegaard, Husserl, Jaspers, Heidegger, Sartre, and others.
Spring Course/Prerequisites: One B-level course in Philosophy Corequisites: None
Instructor: Clancy

PHILC55S Marx and Marxism
The philosophies of Marx, Engels, Lenin, and others.
Spring Course/Prerequisites: One B level course in Philosophy, Sociology, Political Science or Economics, PHILB32F is recommended Corequisites: None
Instructor: Chastain

PHILC60S Contemporary Ethics
[MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS PHILB22F] Recent discussions of fundamental concepts and issues in ethical theory: Moore, Ross, Hare and others.
Spring Course/Prerequisites: One B level course in Philosophy, PHILB51F or PHILB62F is recommended Corequisites: None
Instructor: Sobel
### Physics

**NSC001Y 2L, T/F3**  
3P (every second week)

**PHYA02Y 2L, M1/F9**  
3P (every second week)

**PHYB01Y 2L, M12/P1**  
1T, M3

**PHYB02S 2L, T/F2**  
1T, P

**PHYB03Y 2L, T/F2**  
7P (every third week)

MTWRFPS (week days). E (classes commencing after 6 p.m.) L (lecture), T (tutorial), P (practical session).

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 PHYA01Y, MATA40F, MATA40S, and MATA50Y. Programmes after the first year should be worked out individually in consultation with one of the Physics faculty and the counselling service.

### NSC001Y Introduction to Natural Science: The Physical Sciences

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, difficulty attending measurement and understanding of natural phenomena, energy transformations and the nature of matter, philo-
PHYA01Y Electronics
The physical principles of electronic devices such as vacuum tubes and semiconductor devices and transistors are studied. Circuits incorporating these devices are described, and methods of circuit analysis are developed. (Lectures and laboratory).
Year Course/Prerequisites: PHYA01Y or PHYA02Y, MATA01Y or MATA55Y/Corequisites: None
Instructor: Scott

PHYB04F Waves
A course treating a wide variety of physical phenomena described in terms of waves. The topics discussed include wave equations, superposition of waves, interference, and polarization. This course is essential to a Physics Specialist Programme.
Full Course/Prerequisites: PHYB01Y or PHYA02Y/Corequisites: MATB01F
Instructor: Walker

PHYB11Y Quantum Physics
This course attempts to introduce the student to the basic ideas of quantum mechanics and its applications in modern Physics. This course is essential to a Physics Specialist Programme. (Lectures and laboratory).
Year Course/Prerequisites: PHYB01Y; MATA45S; MATB04F or MATB41F/Corequisites: MATB04F.
Instructor: O'Donnell

PHYB12Y Thermal Physics
Course not offered in 1971-2. This course is devoted to 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, and thermodynamics.
The student who vigorously pursues his studies in this subject will, by the end of the year, have distinguished himself from the man on the street in that he will have acquired an understanding of the concept of entropy. This course is essential to a Physics Specialist Programme.
Year Course/Prerequisites: PHYB01Y; MATA45S, MATB04F or MATB41F/Corequisites: MATB50F

Political Science
SOSA01F 2L, T10, 2L, T11, 1T, R12, R2, R4, POLA01Y 2L, 8T11/S
SOSB01Y 2L, T12, 2L, T13, 1T, R1, 2L, 8M12/M1M3/
POL800Y 2L1:R11/12
1T:R11/12
arranged with
Instructor

POL800Y 2L1:R11/12
1T:R11/12
arranged with
Instructor

SOS401F Quantitative Methods in Social Sciences
This course introduces basic statistical methods with applications particularly to the Social Sciences. Students in Economics, Geography, and Political Science should note that this course is prerequisite to certain courses in these fields. No students will be admitted after the third lecture.
Full Course Prerequisites: None Corequisites: None
Instructor: Sawyer
POL101Y International Relations
This is an introduction to the political relations among states. The course places special emphasis on the issues of war and peace, other international political behaviour and the international institutions created to deal with problems relating to the conduct of international relations.
Year Course/Prerequisites: POLA01Y or POLA03Y/Corequisites: None
Instructor: Andrew

POL111Y Politics and Governments of Africa
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.
Year Course/Prerequisites: None/Corequisites: None
Instructor: Saubrook

POL141Y Topics in Federalism
May not be taken in same degree programme as POLA01Y. 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.
Year Course/Prerequisites: None
Instructor: Blair

POL155Y Science and Government
Comparative study of science policy and of the relationship between scientists and the state in the U.S.S.R., U.S.A., and Canada. This course should be of interest to any student of science. Students desiring to enroll in this course must consult with the instructor prior to registration.
Spring Course/Prerequisites: None/Corequisites: None
Instructor: F. Solomon

POL181Y Reading Course in an Approved Subject
Year Course/Prerequisites: Permission of instructor/Corequisites: None
Instructor: Staff

POL02F Modern Democratic Theory
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.
<table>
<thead>
<tr>
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<tbody>
<tr>
<td>PSYC36F 3L.M174R12</td>
<td>PSYC36S</td>
<td>None</td>
</tr>
<tr>
<td>PSYC46S 3L.W78W8W8E</td>
<td>PSYC46F</td>
<td>None</td>
</tr>
<tr>
<td>PSYC42F 3L.M173W3</td>
<td>PSYC42S</td>
<td>None</td>
</tr>
<tr>
<td>PSYC58S 3L.M173W3</td>
<td>PSYC58S</td>
<td>None</td>
</tr>
<tr>
<td>PSYC60F Arrange with Instructor</td>
<td>PSYC60F</td>
<td>None</td>
</tr>
<tr>
<td>PSYC62S Arrange with Instructor</td>
<td>PSYC62S</td>
<td>None</td>
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</tbody>
</table>

**PSY901Y Introduction to Psychology**

A consideration of the basic principles and methods of contemporary Psychology, emphasizing 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.

Year Course/Prerequisites: None

<table>
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<tbody>
<tr>
<td>PSY807F Statistics</td>
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<td>None</td>
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<tr>
<td>PSY808S Experimental Design</td>
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</tr>
<tr>
<td>PSY89F General Experimental Psychology</td>
<td></td>
<td>None</td>
</tr>
</tbody>
</table>

**PSY807F Statistics**

An examination of statistical decision procedures with particular attention to their role in the description of research data, in the drawing of reasonable inferences from experimental findings, and in the prediction of future outcomes.

Year Course/Prerequisites: None

<table>
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<tr>
<td>PSY808S Experimental Design</td>
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<td>None</td>
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<tr>
<td>PSY89F General Experimental Psychology</td>
<td></td>
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</table>

**PSY89S General Experimental Psychology**

The experimental techniques of Psychology as applied to problems of learning, motivation, and perception in human and infrahuman organisms. Prior or concurrent enrollment in PSY807F is recommended.

Fall and Spring Course/Prerequisites: PSY901Y

<table>
<thead>
<tr>
<th>Course/Prerequisites</th>
<th>Instructor</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSY807F Statistics</td>
<td></td>
<td>None</td>
</tr>
<tr>
<td>PSY808S Experimental Design</td>
<td></td>
<td>None</td>
</tr>
</tbody>
</table>
PSYB10S  Operant Conditioning
[MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS PSYB04Y.] Review of operant conditioning research with laboratory experiments in operant schedule of reinforcement.
Spring Course/Prerequisites: PSYA01Y; PSYB09F, PSYB08S, PSYB007 or PSYB00F recommended but not required/Corequisites: None

PSYB10Y  Sensation
[MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS PSYB03Y.] Review of basic theories of sensation with selected laboratory exercises.
Fall Course/Prerequisites: PSYA01Y/Corequisites: None

PSYB11Y  Perception
[MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS PSYB09Y.] Introduction to Physiological Psychology. This course is intended to provide the basic foundations for the study of Physiological Psychology. Material covered includes neurophysiology, neuromotor and neuropsychology of sensory systems.
Fall Course/Prerequisites: PSYB09F or PSYB00S recommended but not essential

PSYB32S  Abnormal Psychology
An examination of the nature and varieties of abnormal behaviour. Relevant theories and research will be discussed.
Spring Course/Prerequisites: PSYA01Y; another half course in Psychology/Corequisites: None

PSYB40Y  Comparative Psychology
Study of animal behaviour from both a biological and a psychological approach. The ontogenetic and phylogenetic development of behaviour. The relevance of studying animal behaviour for understanding human behaviour.
Fall Course/Prerequisites: PSYA01Y/Corequisites: None

PSYC32S  Current Topics in Personality
Review of current research in special areas.
Spring Course/Prerequisites: PSYB03Y or PSYB03F or PSYB05S; one additional "B" level course in Psychology/Corequisites: None
PSYC33F Personality and Social Interaction
Intensive examination of related areas of research in personality and social interaction.
Full Course/Prerequisites: PSYB03Y or PSYB33F or PSYB305; one other "B" level course/Corequisites: None

PSYC40S Current Topics in Animal Learning
A review of recent developments in animal learning with emphasis on discrimination learning and avoidance conditioning.
Spring Course/Prerequisites: PSYB40F or PSYH40S, or PSYB41F or PSYB41S.
Corequisites: None
Instructor: Riedeman

PSYC42F Current Topics in Memory and Learning
The content of this course will be concerned with human memory and learning and will emphasize the recent approaches which lay less emphasis on learning theories derived from animal studies and more on the active processes which humans use when laying down or retrieving memories. Major areas investigated will include verbal memory, the acquisition of motor skills and perhaps the acquisition of language.
Full Course/Prerequisites: PSYA01Y; one "B" level course in Psychology/Corequisites: None

PSYC50S Attention and Performance Theory
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 human 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.
Spring Course/Prerequisites: PSYA01Y; one "B" level course in Psychology/Corequisites: None

PSYC08F Supervised Readings in Psychology
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.
Full and Spring Course/Prerequisites: 3 courses in Psychology; permission of instructor/Corequisites: None

PSYC98F Supervised Research in Psychology
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.

Fall and Spring Course/Prerequisite: PSYB07F, PSYB09F or PSYB09S; 2 additional courses in Psychology; permission of instructor/Corequisites: None

Russian
RUS001Y Elementary Russian
Fundamentals of Russian grammar--structure and practice. Stress on speaking, reading and writing.
Year Course/Prerequisites: None/Corequisites: None
Instructor: Whalen

RUS002Y Intermediate Russian
Continued study of Russian with oral practice, composition and translation. Conversation based on literary texts and topics of current interest.
Year Course/Prerequisites: RUS001Y/Corequisites: None

RUS003Y Advanced Russian
Year Course/Prerequisites: RUS002Y/Corequisites: None
Instructor: Whalen

RUS011Y Introduction to Russian Culture and Literature
Russian thought, society and literature: intellectual and social evolution as reflected in Russia’s artistic creations: 16th century to the present
Year Course/Prerequisites: None/Corequisites: None
Instructor: Potemkineff

RUSB11Y 19th Century Russian Literature
Analysis and discussion of novels, short stories and plays by Pushkin, Gogol, Turgenev, Goncharov, Dostoevsky, Tchekoy,
RUS121Y Russian Drama
Year Course/Prerequisites: None/Corequisites: None

RUS212Y Twentieth Century Russian Literature
A survey of pre- and post-revolutionary Russian literature (with excursions into Russian emigre literature). Stress on literary analysis, continuity and influence. Exploring problems of creative process and freedom, artistic dilemma and achievement under political pressure. Lectures and discussion groups, oral reports and one essay. Specialists will be required to do a certain amount of reading in the original.
Year Course/Prerequisites: None/Corequisites: None
Instructor: Ponoranoff

RUS22S Soviet-Russian Underground Literature
A study of literary revolution, the nature of its divergence and the implicit profile of official Soviet mentality and ideology that the literary dilemma suggests.
Spring Course/Prerequisites: None/Corequisites: None
Instructor: Ponoranoff

RUS301Y Twentieth Century Russian Poetry
Year Course/Prerequisites: RUS22S/Corequisites: None
Instructor: Ponoranoff

Sociology
SOC301Y 2L/3T3
SOC302Y 1L-T2
SOC601Y 3L-T10W11W5/
W7/8/9
SOC602Y 2L-T10T1/
SOC603Y 2L-T12T12/
SOC604Y 2L-T9T9
SOC605Y 2L-M5M6/
2P-M3M4/W3W4

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Sociology
SOC301Y 2L-T5/5W3
SOC302Y 1L-T5/5F9
SOC303Y 2L-M4F12
SOC304Y 2L-M3R3/
SOC305Y
SOC306Y 2L-M2F11
SOC307Y 1T-R1
SOC308Y 2L-M2R2
SOC309Y 1T-R3
SOC310Y 2L-M2R3
SOC311Y 2L-M2R4
SOC312Y 2L-T11T12
SOC313Y 2L-T11T12
SOC314Y 2L-T1T2
SOC315Y 1T-R1

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 major approaches to the scientific study of the social phenomena.

SOSB00Y Politics and Society in the U.S.S.R.
[MAY NOT BE TAKEN IN SAME DEGREE PROGRAMME AS SOC125.] The impact of modernization and of politics upon Soviet society.
Year Course/Prerequisites: None/Corequisites: None
Instructor: P. Solomon

SOC201Y Introduction to Sociology
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 behavior, population, community, stratification, social institutions and social change.

121
SOCB02Y Contemporary Society
An examination of contemporary social structures and processes by applying basic methods and principles of sociology to topics which students select from their own interests. Research is conducted by students in year-long projects (as individuals or teams) guided by seminars in which faculty act as resource persons. Emphasis is on student responsibility and initiative as there are no regular lectures in this course after October. The final form of presentation of projects may be as written essays, or voice tape, drama, novel, television tape, or other approved format.
Year Course/Prerequisites: None/Corequisites: None
Instructor: Gerston

SOCB01Y Methods of Social Research
Course aims include both a formal study of methodology and a practical introduction to social research design, data collection and analysis. Laboratory sessions include exercises in computer programming, elementary statistics, graphics and library research. Students design and execute suitable projects as an important part of their term work.
Year Course/Prerequisites: One previous course in Sociology
Corequisites: None
Instructor: Beals

SOCB03Y History of Social Thought
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.
Year Course/Prerequisites: One previous course in Sociology
Corequisites: None
Instructor: Lee

SOCB04Y Political Sociology
Political Sociology is the study of the interrelationship between society and politics, 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 politics in particular.

SOCB05Y Urban Sociology
Examines the city both as a significant development in world civilization and as a working mechanism guided by contemporary policies and shaped by human behaviour in its multifaceted relations with the urban environment.
Year Course/Prerequisites: One previous course in Sociology
Corequisites: None
Instructor: Hanna

SOCB10Y Social Stratification
Description and analysis of the nature of social stratification, with emphasis on the basis of stratification, different theoretical views concerning stratification, the structure and function of stratification systems, social classes and associated behaviour, social mobility and class conflict.
Year Course/Prerequisites: One previous course in Sociology
Corequisites: None
Instructor: Howood

SOCB12Y Sociology of the Family
The sociological study of the family in contemporary Western society, with special emphasis on its historical development, social forces which have influenced it, interrelationships with other institutional forms, the family as a small group, the family life cycle, family differentiation and family change.
Year Course/Prerequisites: One previous course in Sociology
Corequisites: None
Instructor: James

SOCB13Y Canadian Society
A sociological analysis of Canadian society, with emphasis on its changing structure.
Year Course/Prerequisites: One previous course in Sociology
Corequisites: None
Instructor: Hanna

SOCB16Y Social Change
A sociological analysis of forms of change, such as industrialization, modernization, urbanization, and their consequences for the structure and function of contemporary society.
Year Course/Prerequisites: One previous course in Sociology
Corequisites: None
Instructor: O'Toole

SOCB18Y Deviant Behaviour
A sociological analysis of various forms of deviant behaviour,
including an examination of causal theories, social definitions, maintenance, control and social consequence.

Year Course/Prerequisites: One previous course in Sociology
Corequisites: None
Instructor: James

SOCB20Y Ethnic and Race Relations
Ethnic and racial groups are involuntary groups within society which accord them differential status. 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.

Year Course/Prerequisites: One previous course in Sociology.
Corequisites: None
Instructor: Iasijw

(SOCB03Y Small Groups)
Course not offered in 1971-2. A sociological analysis of small group behaviour with special reference to formation, structure, maintenance patterns and change.

Year Course/Prerequisites: Two previous courses in Sociology, one of which must be a B-level course/Corequisites: None
Instructor: Iasijw

SOCB20S Complex Organizations
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.

Spring Course/Prerequisites: Two previous courses in Sociology one of which must be a B-level course/Corequisites: None
Instructor: Howard

(SOCB10F Collective Behaviour)
Course not offered in 1971-2. 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.

Fall Course/Prerequisites: Two previous courses in Sociology, one of which must be a B-level course/Corequisites: None
Instructor: O'Toole

SOCB40S Social Movements
Analysis of major social movements, their origins, dynamics, and consequences for contemporary society.

Spring Course/Prerequisites: Two previous courses in Sociology, one of which must be a B-level course/Corequisites: None
Instructor: O'Toole

SOCB30Y Special Problems of Sociological Theory
A seminar with emphasis on intensive study of selected basic questions 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.

Year Course/Prerequisites: SOCB03Y/Corequisites: None
Instructor: Iasijw

SOCB04F Sociology of Industrialization
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.

Fall Course/Prerequisites: Two previous courses in Sociology, one of which must be a B-level course/Corequisites: None
Instructor: Howard

SOCB07F Sociology of Occupations
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 professionalisation.

Fall Course/Prerequisites: Two previous courses in Sociology, one of which must be a B-level course/Corequisites: None
Instructor: Censor

(SOCB08H Sociology of Education)
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.

Year Long/Half Course and Fall Course/Prerequisites: Two previous courses in Sociology, one of which must be a B-level course/Corequisites: None
Instructor: Lee

SOC122F The Sociology of Revolution
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 the 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.

Fall Course/Prerequisites: Two previous courses in Sociology, one of which must be a B-level course/Corequisites: None

SOCI225 Sociological Analysis: Qualitative Methods
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.

Spring Course/Prerequisites: SOCA01Y; one B-level course in Sociology; permission of instructor/Corequisites: None

Instructor: Hanss

SOCI30Y Independent Studies
Designed primarily for fourth year students who wish to concentrate on a specific area in Sociology. Individual consultation and the preparation of a research paper required.

Year Course/Prerequisites: Permission of instructor/Corequisites: None

Instructor: Staff

Spanish

SPA001Y 3L/M4W1R4/
SPA002Y 3L/M1W2F2/
M2W9F1/ M1T4W12
T2W1F12/
SPA003Y 3L/M1W2F2/
M2W9F1/ M1T4W12

SPA004F 3L/M4W1R4/
SPA005F 3L/M1W2F2/
M2W9F1/ M1T4W12
T2W1F12/
SPA006F 3L/M4W1R4/
M2W9F1/ M1T4W12
T2W1F12/

MTWRFS (week days), R (classes commencing after 6 pm) L (lecture), T (tutorial), P (practical session).

The key to a comprehensive and coherent plan of study lies in personal academic counselling. Those students interested in a particular undergraduate programme in Hispanic Studies, or those wishing to continue their studies on a graduate level, or those planning to go to the College of Education, must discuss their programmes with their instructors at the earliest possible date.

There are also many courses given in other areas which may prove directly valuable to the student as adjuncts to his plan of studies, or may be of interest as an enrichment of his total programme. Those students interested in area or other interdisciplinary programmes must also confer with their instructors, in order to obtain every possible advantage which Scarborough College has to offer.

SPA001Y Introductory Spanish
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.

Year Course/Prerequisites: None/Corequisites: None

Instructor: Clancy

SPA002F Intermediate Spanish

Fall Course/Prerequisites: SPA001Y or Grade XII/Corequisites: None

Instructor: Mailled

SPA003F Pre-Literary Examination of Texts
Preparation in the basic elements of Spanish stylistics and in the rapid reading and comprehension of texts of various periods and subject matter.

Fall and Spring Course/Prerequisites: SPA001Y/Corequisites: SPA002F

Instructor: Batts

SPA004F Phonetics
Principles of articulatory phonetics; fundamentals of Spanish speech sounds; intensive practice in their production and transcription.

Fall Course/Prerequisites: SPA001Y/Corequisites: None

Instructor: Skyme

SPA005F Intermediate Conversation
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.

Fall Course/Prerequisites: SPA001Y/Corequisites: None

SPA006S Advanced Conversation
This course is designed to continue on a more advanced level the
SPAB21Y Spanish Drama
A study of Spanish drama from the Middle Ages to the 20th Century. Complete plays of the major dramatists will be read, and discussed. In some cases films of actual theatrical productions in Spanish will be shown.
Spring Course/Prerequisites: SPA100F/Corerequisites: None
Instructor: León

(SPAB24S Golden Age Drama)
Course not offered in 1971-2. Study of the development of the Spanish drama from the Middle Ages to the Golden Age. Reading, analysis and discussion of major texts.
Spring Course/Prerequisites: SPA100F/Corerequisites: None

SPAB25F Golden Age Prose
Study of the development of Spanish prose writing; reading, analysis and discussion of major types of prose writing in the Golden Age.
Fall Course/Prerequisites: SPA100F/Corerequisites: None
Instructor: León

(SPAB26S Golden Age Poetry)
Course not offered in 1971-2. Study of the major poets of the Golden Age from Garcilaso to Cervantes.
Spring Course/Prerequisites: SPA100F/Corerequisites: None
Instructor: León

SPAB28F Spanish American Literature: A Survey
Study of the main currents of Spanish American literature from colonial times to 1890. 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.
Fall Course/Prerequisites: SPA100F/Corerequisites: None
Instructor: León

(SPAB29S Spanish American Literature)
Course not offered in 1971-2. Short story; history of the Spanish short story; 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.
Spring Course/Prerequisites: SPA100F/Corerequisites: None

(SPAB30S Spanish American Literature: The Novel of the Mexican Revolution)
Course not offered in 1971-2. 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.
Spring Course/Prerequisites: SPA100F/Corerequisites: None
The Latin American Novel
A study of the main Novelistic currents in Latin America in the 19th and 20th centuries. Three major groups of novels will be studied: a) Regional, b) Revolutionary, political c) Existential, absurd psychological.
Year Course/Prerequisites: SPA403F/Correquisite: None
Instructor: León
Students should also consult listing under
HUMB31Y Nineteenth-Century Poetry: Aesthetics
HUMC31F Lyric Poetry of the Middle Ages in the Mediterranean Area

Interdisciplinary Studies

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. At Scarborough College a number of courses relevant to the programme can be taken. These are: Spanish 001Y, 002F, 003S, B25F, B25S, B30S and Anthropology 607F, 808F.
Further information about Latin American Area Studies may be obtained from Prof. Pedro León, H424, phone 284-2186, who will also offer advice on possible combinations of courses in this area.
Summer Evening Extension Session 1971

A schedule of nineteen courses is to be offered this session – twelve full courses and seven 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.

Counselling

It is the responsibility of students to ensure that they register in courses, the combination of which comply with course pre- and co-requisite requirements and also with the degree regulations. The Register’s Office is willing to assist you in this. Please call 284-3292 to arrange appointments.

Regulations

Information relating to admission, registration, degree regulations and fees will be found in the appropriate sections of 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 Mon. 17 May and end on Thurs. 12 August 1971
'F' courses begin on Mon. 17 May and end on Thurs. 24 June 1971
'S' courses begin on Mon. 5 July and end on Thurs. 12 August 1971

The Examination period begins on Mon. 16 August and ends on Friday 20 August 1971.

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

Timetable

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

<table>
<thead>
<tr>
<th>Course Number</th>
<th>Title</th>
<th>Evenings</th>
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</thead>
<tbody>
<tr>
<td>ANTA03P</td>
<td>Social Organisation</td>
<td>Mon./Wed.</td>
</tr>
<tr>
<td>ANTB02S</td>
<td>Anthropology of Religion</td>
<td>Tues./Thurs.</td>
</tr>
<tr>
<td>ANTB05S</td>
<td>Anthropology of Development</td>
<td>Mon./Wed.</td>
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</tbody>
</table>
Facilities for Summer Evening Extension Students

Parking
The College Parking Lots are open, free of charge, to all.

Library
During the Summer, the Library will be open as follows:
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

Hours of opening for the Summer Session:
May 17, 18, 19, 20 — 9:00 a.m. to 9:00 p.m.
May 21 — 9:00 a.m. to 5:00 p.m.
May 24 (Victoria Day) — Closed
May 25, 26, 27 — 9:00 a.m. to 9:00 p.m.
May 28 — 9:00 a.m. to 5:00 p.m.

Thereafter, every Monday and Thursday (except July 1 — Dominion Day and August 2 — Civic Holiday) of the Session — 9:00 a.m. to 9:00 p.m.; every Tuesday, Wednesday and Friday — 9:00 a.m. to 5:00 p.m.

Sport
Summer Extension students have the opportunity to use the recreational facilities of Scarbourough 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 available to the participants. For further information, please call 284-3121.

Winter Extension Session 1971-2

From September 1971 Scarborough College will be offering an integrated timetable running 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. This means that Part-time students who wish to take courses at Scarborough College will be able to request enrollment in any course, whether it be timetabled in the day or evening, without petition. It is possible that some course may be over-enrolled. In such cases, the College policy in registering students is by academic seniority and therefore by lot. 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 Extension 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 at the head of the discipline listing in the course descriptions section of this Calendar. Classes commencing at 6:00 p.m. or later are labeled 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 co-requisite requirements will be found in the course description section of this Calendar.

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

<table>
<thead>
<tr>
<th>Course</th>
<th>Course Title</th>
<th>Time</th>
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<tbody>
<tr>
<td>ANTA01Y</td>
<td>Introduction to Anthropology</td>
<td>Evening</td>
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<tr>
<td>BIO03Y</td>
<td>Introduction to Biology</td>
<td>Tuesday</td>
</tr>
<tr>
<td>COM100Y</td>
<td>Financial Accounting</td>
<td>Monday</td>
</tr>
<tr>
<td>ECOA01Y</td>
<td>Economics: A Survey of Principles</td>
<td>Wednesday</td>
</tr>
<tr>
<td>ECOB03Y</td>
<td>North American Economic History</td>
<td>Monday</td>
</tr>
<tr>
<td>ECOB15S</td>
<td>Money and Banking</td>
<td>Thursday</td>
</tr>
<tr>
<td>ENG03Y</td>
<td>Canadian Literature in English</td>
<td>Monday</td>
</tr>
<tr>
<td>ENG10Y</td>
<td>Shakespeare</td>
<td>Wednesday</td>
</tr>
<tr>
<td>ENG17Y</td>
<td>Fiction before 1832</td>
<td>Tuesday</td>
</tr>
<tr>
<td>ENG33Y</td>
<td>Modern Drama</td>
<td>Tuesday</td>
</tr>
<tr>
<td>ENG38Y</td>
<td>Four Major Modern Authors</td>
<td>Tuesday</td>
</tr>
<tr>
<td>Course Code</td>
<td>Course Title</td>
<td>Days</td>
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<tr>
<td>FARB11Y</td>
<td>Intermediate Studio-Seminar</td>
<td>Monday and Thursday</td>
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<tr>
<td>FREA62Y</td>
<td>Studies in Modern French Literature</td>
<td>Tuesday</td>
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<tr>
<td>FRES22Y</td>
<td>The Classical Current</td>
<td>Thursday</td>
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<tr>
<td>FRES23Y</td>
<td>General History of the French Language (Texts in English Translation)</td>
<td>Monday</td>
</tr>
<tr>
<td>GERB17Y</td>
<td>The German Novel from Goethe to Grass</td>
<td>Wednesday</td>
</tr>
<tr>
<td>GGRA93F</td>
<td>Introduction to Geography: Geographic Methods I; Cartographic and Field Methods</td>
<td>Thursday</td>
</tr>
<tr>
<td>GGRA96F</td>
<td>Introduction to Geography: Environmental Analysis</td>
<td>Wednesday</td>
</tr>
<tr>
<td>GGRA97F</td>
<td>Introduction to Geography: The Surface of the Earth</td>
<td>Wednesday</td>
</tr>
<tr>
<td>GGRA99F</td>
<td>Introduction to Geography: Special Analysis</td>
<td>Tuesday</td>
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<tr>
<td>GCBR90Y</td>
<td>Geography of Resources</td>
<td>Wednesday</td>
</tr>
<tr>
<td>GCBW60Y</td>
<td>Urban Geography</td>
<td>Monday</td>
</tr>
<tr>
<td>GHRB23Y</td>
<td>Studies in Roman History</td>
<td>Wednesday</td>
</tr>
<tr>
<td>HSBR01Y</td>
<td>British History since 1785</td>
<td>Tuesday</td>
</tr>
<tr>
<td>HSBR02Y</td>
<td>History of the United States</td>
<td>Wednesday</td>
</tr>
<tr>
<td>HSBR05F</td>
<td>Canadian History to 1867</td>
<td>Monday</td>
</tr>
<tr>
<td>HSBR06S</td>
<td>Canadian History since Confederation</td>
<td>Monday</td>
</tr>
<tr>
<td>HSBR53Y</td>
<td>American Labour and the Left</td>
<td>Thursday</td>
</tr>
<tr>
<td>MAT440F</td>
<td>Introduction to Linear Algebra</td>
<td>Thursday</td>
</tr>
<tr>
<td>MAT445S</td>
<td>Linear Algebra I</td>
<td>Thursday</td>
</tr>
<tr>
<td>MAT445Y</td>
<td>Calculus</td>
<td>Tuesday</td>
</tr>
<tr>
<td>PHI410Y</td>
<td>Introduction to Philosophy</td>
<td>Wednesday or Thursday</td>
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<tr>
<td>PHI585Y</td>
<td>Philosophy of Religion</td>
<td>Tuesday</td>
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<tr>
<td>PHI645Y</td>
<td>Aesthetics</td>
<td>Tuesday</td>
</tr>
<tr>
<td>PHI655F</td>
<td>Greek Philosophy: Plato and his Predecessors</td>
<td>Monday</td>
</tr>
<tr>
<td>PHI705Y</td>
<td>British Empiricism</td>
<td>Monday</td>
</tr>
<tr>
<td>POLA61Y</td>
<td>Canadian Government and Politics</td>
<td>Monday</td>
</tr>
<tr>
<td>POLB54Y</td>
<td>Political Thought from Plato to Locke</td>
<td>Thursday</td>
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<tr>
<td>POLB56Y</td>
<td>Topics in Federalism</td>
<td>Wednesday</td>
</tr>
<tr>
<td>PSY614Y</td>
<td>Introduction to Psychology</td>
<td>Tuesday</td>
</tr>
<tr>
<td>PSYB67F</td>
<td>Statistics</td>
<td>Wednesday</td>
</tr>
<tr>
<td>PSYB68F</td>
<td>Introduction to Social Psychology</td>
<td>Tuesday</td>
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<tr>
<td>PSYB80S</td>
<td>Learning</td>
<td>Wednesday</td>
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<tr>
<td>PSYC32S</td>
<td>Personality</td>
<td>Thursday</td>
</tr>
<tr>
<td>RUSB12Y</td>
<td>Russian Drama</td>
<td>Monday</td>
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<tr>
<td>SOC401Y</td>
<td>Introduction to Sociology</td>
<td>Wednesday</td>
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<tr>
<td>SOC501Y</td>
<td>History of Social Thought</td>
<td>Tuesday</td>
</tr>
<tr>
<td>SOCC045</td>
<td>Social Movements</td>
<td>Thursday</td>
</tr>
<tr>
<td>SOCC08F</td>
<td>Special Problems of Sociological Theory</td>
<td>Thursday</td>
</tr>
<tr>
<td>SPAA01Y</td>
<td>Introductory Spanish</td>
<td>(see note below)</td>
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<tr>
<td>SPAA02F</td>
<td>Intermediate Spanish</td>
<td>Tuesday</td>
</tr>
<tr>
<td>SPAA033S</td>
<td>Pre-Literary Examination of Texts</td>
<td>Tuesday</td>
</tr>
<tr>
<td>SPAB21Y</td>
<td>Spanish Drama</td>
<td>Thursday</td>
</tr>
</tbody>
</table>

N.B. BIOA01Y, FARB11Y and SPA001Y require attendance twice each week. PHIL401Y is offered twice each week in the evening. Please specify which evening you prefer on the registration form.

If you have any inquiries regarding the Winter Extension Programme, please call 284-3127.
Administration and Faculty, 1970-71

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Executive Vice-President (Non-Academic)
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Vice-President and Registrar
R. Ross, M.B.E., M.A.
Vice-President and Executive Assistant to the President
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Director of Statistics and Records
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Associate Dean
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Associate Dean
G.A.B. Watson, M.A., S.T.B.
Assistant Dean and Secretary
W. D. Foibles, B.A.
Associate Secretary
R. B. Ogilby, C.D., M.A.
Assistant Secretary
C. R. C. Dobail, B.A.

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Dean
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Assistant Dean
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Librarian
J. L. Bell, M.A.
Assistant Librarian
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T. Palladini, B.P.H.E., B.A., M.S.
Assistant Director of Athletics
Miss D. Kinglsey, B.A., B.P.H.E.
Superintendent of Buildings and Grounds
G. A. Fitzgerald
Assistant Superintendent
R. L. Wright
Administrative Assistant to the Chairmen, Division of Science
I. A. Macdonald

Division of Humanities
Chairman
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I. R. McDonald, B.A., Ph.D., Assistant Professor

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J. Kay, M.A., Ph.D., Assistant Professor
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G. Scarpetti, Ph.D., Assistant Professor
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R. Siegelhoff, M.A., Lecturer

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Mrs. M. Walker, B.A., Instructor

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H. H. Obbendorf, M.A., Assistant Professor
H. Wittmann, M.A., Ph.D., Assistant Professor
Mrs. E. M. Swales, B.A., D.Phil., Instructor

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M. Eiselt, Jr., B.A., D.Phil., Assistant Professor
J. R. Kuncro, M.A., Ph.D., Assistant Professor
J. I. Penel, M.A., Ph.D., Assistant Professor
A. N. Shpols, M.A., Ph.D., Lecturer

Italian
A. Paulensetti, Dott. in Litt., Ph.D., Assistant Professor
E. Cook, M.A., Lecturer

Linguistics
P. H. Sales, B.Sc., M.A., Ph.D., Associate Professor
J. D. Woods, A.B., Assistant Professor

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J. B. Hartman, M.A., Ph.D., Associate Professor
J. H. Schel, B.S., M.A., Ph.D., Associate Professor
C. H. Chastain, M.A., Assistant Professor

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P. W. Groce, M.A., Ph.D., Assistant Professor
W. C. Graham, M.A., Ph.D., Assistant Professor
D. L. Musker, B.A., Ph.D., Assistant Professor
Mrs. B. R. Glancy, M.A., Lecturer
S. L. deLavign, B.A., Lecturer

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C. V. Punomareff, M.A., Ph.D., Assistant Professor
Mrs. S. Whalen, M.A., Ph.D., Lecturer

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P. H. Lauer, M.A., Ph.D., Assistant Professor
Mrs. J. M. Maillard, M.A., Phil.M., Assistant Professor
R. Skyrme, M.A., M.Litt., Ph.D., Assistant Professor
J. J. Chico, Dalben, M.A., Lecturer

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Acting Chairman of Physical Sciences
R. C. Roeder, M.Sc., Ph.D.

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P. P. Kronberg, M.Sc., Ph.D., Assistant Professor

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Miss M. Grant, B.Sc., Dip. Bact., Instructor

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G. A. Yarrington, B.Sc., Ph.D., Associate Professor
R. E. Dargler, B.Sc., Ph.D., Assistant Professor
Mrs. C. Sparling, B.Sc., Ph.D., Assistant Professor

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R. D. Harris, B.Sc., M.A., Ph.D., Assistant Professor
T. L. Lynch, B.Sc., M.A., Ph.D., Assistant Professor
J. Riddick, B.Sc., Ph.D., Assistant Professor
G. Brown, B.Sc., Ph.D., Lecturer
Mrs. M. Bradshaw, M.Sc., Instructor

Mrs. K. Henderson, B.Sc., Instructor
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E. W. Ellers, Dr. rer. nat., Associate Professor
P. J. Leach, M.A., Ph.D., S.J., Associate Professor
Mrs. H. K. Bota, M.A., Ph.D., Assistant Professor
J. S. Halperin, M.Sc., Ph.D., Assistant Professor
P. Knott, B.Sc., Ph.D., Assistant Professor
E. Mezehloha, M.Sc., Ph.D., Assistant Professor
J. B. Wilker, B.Sc., M.A., Ph.D., Assistant Professor
Mrs. M. Doncette, B.A., Instructor
D. G. Hall, Instructor
Mrs. M. Hall, B.Sc., Instructor

Microbiology
V. V. Kingsley, M.Sc., Ph.D., Assistant Professor

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J. D. King, B.A., Ph.D., Associate Professor
P. J. O'Donnell, M.Sc., Ph.D., Associate Professor
J. M. Perez, M.Sc., Ph.D., Assistant Professor
V. Soots, B.A., M.S., Ph.D., Assistant Professor
M. B. Walker, B.Eng., D.Phil., Assistant Professor
G. Woots, B.Sc., Instructor

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B. Forlin, M.A., Ph.D., Associate Professor
N. P. Moray, M.A., D.Phil., Associate Professor
Mrs. M. C. Smith, B.A., Ph.D., Associate Professor
Mrs. K. K. Dierse, B.A., Ph.D., Assistant Professor
M. G. Effar, B.A., Ph.D., Assistant Professor
A. Kikula, M.A., Ph.D., Assistant Professor
N. W. Milgram, M.A., Ph.D., Assistant Professor
A. S. Ross, M.A., Ph.D., Assistant Professor

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J. M. Campbell, B.Sc., M.A., Ph.D., Associate Professor
M. Miyagi, B.A., Ph.D., Assistant Professor
G. N. Smith, Jr., M.A., Ph.D., Assistant Professor
J. H. Youson, B.A., M.Sc., Ph.D., Assistant Professor
Miss L. Livins, B.A., M.Sc., Instructor
Miss C. Pickelt, B.Sc., M.A., Instructor

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G. E. Hopen, M.A., Associate Professor

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R. Knight, M.A., Ph.D., Assistant Professor
H. B. Schreuder, B.A., Ph.D., Assistant Professor
E. G. Schwimmer, M.A., Ph.D., Assistant Professor
R. W. Shirley, M.A., Ph.D., Assistant Professor

Economics
A. F. W. Plumtre, C.B.E., M.A., Professor
P. Pelikan, Ing.C.Sc., Associate Professor
K. J. Reo, M.A., Ph.D., Associate Professor
D. E. Campbell, B.A., Assistant Professor
E. R. Hunt, B.A., Ph.D., (diall.) Assistant Professor
M. W. Bacovitsky, M.A., Lecturer

Geography
P. W. Cave, M.A., D.Phil., Associate Professor
K. E. Francis, M.S., Ph.D., Associate Professor
A. Tyssor, M.A., Associate Professor
M. F. Bruce, M.A., Ph.D., Assistant Professor
B. Greenwood, B.Sc., Ph.D., Assistant Professor
G. J. Sparrow, B.Sc., Ph.D., Assistant Professor
H. R. Maclean, M.A., Ph.D., Special Lecturer
R. I. Wolfe, M.A., Ph.D., Special Lecturer

Political Science
S. J. Goldthorpe, M.A., Professor
E. Anderson, B.A., Ph.D., Assistant Professor
R. S. Blaz, M.A., Assistant Professor
K. R. J. Sandbrook, M.A., Assistant Professor
Mrs. S. G. Solomon, M.A., Assistant Professor
T. G. Bantle, M.A., LL.B., Ph.D., Lecturer

Sociology
R. L. Jamieson, M.A., Ph.D., Professor
W. M. Gerson, M.A., Ph.D., Associate Professor
W. W. Ijssel, M.A., Ph.D., Associate Professor
R. G. Boulis, M.A., Ph.D., Assistant Professor
M. E. Haar, M.A., Ph.D., Assistant Professor
L. L. Howard, M.A., Ph.D., Assistant Professor
J. A. Lee, M.A., Assistant Professor
P. H. Solomon, Jr., M.A., Assistant Professor
R. O'Toole, M.A., Lecturer

Commerce
M. S. Shapiro, B.Comm., C.A., Special Lecturer
University of Toronto's central library. There is a regular book delivery service from the central library to the Scarborough library.

The study space in the College library is equipped with individual study carrels, tables and arm chairs. Lending and study facilities are open until midnight from Monday through Thursday during the school year and until five o'clock on Fridays. The library is open on Saturdays between 10 a.m. and 4 p.m., and on Sundays between 1 p.m. and 10 p.m. Extensive study areas outside the library are also equipped with individual carrels. These study areas are available for students 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.

Interest-free loans: Provided to students who demonstrate financial need. Students must repay loans or assume interest payments after termination of studies.

Scholarship and 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/or their parents' resources are inadequate, the Ontario Student Awards Programme (OSAP) will provide assistance to help students meet their academic costs. 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 from OSAP. Ontario Student Awards are part interest-free loans and part grants (except in the cases of small awards which are wholly loans). In 1970-71 awards have ranged from as little as $50 to as much as $2,000, depending upon assessed need. Each loan application is assessed individually by the Ontario Department of University Affairs. A description of the method of assessment is available in the brochure, "Ontario Student Awards Programme, 1971/72", available from the Register's Office.

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 Registrar (284-3300). Students are urged to apply early in the summer. Students who wait until registration day in September may have to wait up to two months for assessment of their applications and payment of their awards. OSAP applications must be submitted by 31 October 1971. Applications submitted after this date but before 31 January 1972 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 1972.

Scholarships

1) University of Toronto Admission Scholarships

Students entering the first year at Scarborough College with outstanding high school records are eligible for a large number of scholarships awarded by the Senate of the University of Toronto. These scholarships are listed in the booklet, University of Toronto Admission Awards, 1971-72 available at any Ontario high school. Application forms are available from the Office of Student Awards and are submitted to the student's high school.

2) Scarborough College Admission Scholarships

Students entering the first year at Scarborough College with outstanding high school records are eligible for the following scholarships awarded by the Council of Scarborough College. All applicants for admission to the College who present outstanding qualifications will be considered for these scholarships. It is not necessary to submit an application. The 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.

Borough of Scarborough Admission Scholarship. One of a number of additional scholarships awarded by the Council of Scarborough College. Each is awarded to a student with high first-class standing entering the first year at Scarborough College. Value: $300.

J.O.D.E. Isadell Rutter Chapter Admission Scholarship. One of three gifts of the Imperial Order Daughters of the Empire, Isadell Rutter Chapter, 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: $200.

Scarborough College Open Admission Scholarships. Awarded to students entering the first year at Scarborough College with high first-class standing. The number and value of the scholarships will be granted to students entering the 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 with reference to the standing of the potential scholarship winners.

Scarborough College - Varsity Fund Continuing Scholarships. Gifts of the Varsity Fund, three continuing scholarships are awarded to students with high first-class standing entering the first year at Scarborough College. Value: $350 in the first year; $500 in the second year; $700 in the third year. Continuation of the awards is conditional on the maintenance of first-class standing.

Towship of Pickering, this scholarship is awarded to a student with first-class standing entering the first year at Scarborough College. Preference is given to Township of Pickering students. Value: $250.

3) University of Toronto In-Course Scholarships

Students who achieve excellent academic standing in first, second and third year are eligible for a large number of scholarships awarded by the Faculty of Arts and Science and by the Senate of the University of Toronto. These scholarships are listed in the Awards Calendar of the Faculty of Arts and Science. All students who achieve outstanding results will be considered. It is not necessary to submit an application.

4) Scarborough College In-Course Scholarships

Students who achieve excellent academic standing in first, second and third year are eligible for the following scholarships awarded by the Council of Scarborough College. All students who achieve outstanding results will be considered. It is not necessary to submit an application.

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

The Borough of Scarborough Scholarships: Two of several gifts of the Borough of Scarborough, these scholarships are awarded to: (a) the student with the highest standing in first year who enters the second year at Scarborough College; and (b) to the student with the highest standing in second year who enters the third year at Scarborough College. Value: $500, each.

J.O.D.E. Isadell Rutter Chapter Scholarships: Two of three gifts of the Imperial Order, Daughters of the Empire, Isadell 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. Awarded from funds allocated by the Senate of the University of Toronto, a number of scholarships will be granted to students completing first, second and third years with high first-class standing and entering next year at Scarborough College. The number and value of the scholarships will be determined by the Scarborough College Council with reference to the standing of the potential scholarship winners. Township of Pickering Scholarship. One of two gifts of the Township of Pickering, this scholarship is awarded to a student achieving first-class standing in the first or second year, and entering second or third year at
Scruborun College. Township of Pickering students are preferred. Value: $250.
The Penny Dampney Prize in Human Physiology. Gift of Mrs. Penny Dampney, instructor in Human Physiology at Scarborough College until 1969-70; these prizes are awarded to the man and women who achieve the highest standing in Biological Science 114Y, Human Physiology. Value: $125 each.

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 (usually at least B+), are eligible to apply for University of Toronto In-Course Bursaries. Application forms, available at the Registrar's Office, must be submitted before 15 October 1971.

2) Scarborough College Bursaries

Gifts of the Borough of Scarborough and the Township of Pickering, these bursaries are awarded to students in real financial need who are making satisfactory academic progress. Application forms, available from the Registrar's Office, must be submitted by 15 January 1972. Value: $150.

3) 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. Application forms, available from the Registrar's Office, must be submitted by January 1972. Value: $150.

4) 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 adequate academic progress. Applicants for Scarborough College Bursaries (above) will be considered for the Alumni Association - Varsity Fund Bursaries. Value: Usually $150.

5) The MacDonald Bursary

Gift of Mr. Ian A. MacDonald, Administrative Assistant to the Chairman of the Division of Science, this bursary is awarded to a student in his second or higher year who demonstrates both very good academic progress and real financial need. Applicants for Scarborough College Bursaries (above) will be considered for the MacDonald Bursary. Value: $500.

Emergency Loans

The Scarborough Council Loan and Bursary Fund has been established from the contributions of members of Scarborough College.

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

A student who requires short term assistance in order to carry on with his studies should speak with the Registrar.

Accommodation

Housing Service

Students who wish to find room and board, or who wish to locate in their own apartments, are invited to consult the housing registry maintained by the Student Services Office. As listings of accommodation quickly become obsolete, we suggest that you arrange a trip to Scarborough in advance of the first week of classes to find a place that suits you. During the week before classes, the College will provide local transportation and emergency accommodation to students requesting such assistance.

For information, please contact the Student Services Office, Scarborough College, 284-3292.

Students who wish to locate downtown may contact the University Housing Service, 49 St. George Street, Toronto 5, tel. 920-2942.

Co-operative Residences

In 1970-71 the College operated ten small houses within five minutes' walk of the College. The residences included furnished double and single bedrooms, shared living rooms and shared kitchens equipped with stove, refrigerator, cooking utensils, dishes and cutlery. Residents supplied their own blankets, linen and towels.

Rules were made and administered by the residents. Accommodation is available for both men and women. For further information, please contact the Student Services Office.

Athletics and Recreation

The students of the College enjoy the benefits of their own local athletic programme which they help to plan and administer through the Executive of the co-educational Scarborough College Athletics Association. The Department of Athletics and Physical Education at Scarborough College co-ordinates and facilitates the various phases of this extensive indoor and outdoor programme. In addition, as members of the Univer-
niversity of Toronto, our full-time students have access to the premises and activities of Hart House (men) and the Benson Building (women) on the St. George Campus.

At Scarborough College there is no physical education requirement, yet the benefits derived from participation in sports and athletics are well recognized and every student is encouraged to take an active part in some phase of the athletic programme. The new skills learned and the friendships formed through such participation will often give lasting enjoyment long after university years.

The present on-campus facilities include four outdoor tennis courts, archery and golf ranges, and several playing fields. Pending construction of the proposed Recreation Centre, the College is making extensive use of the nearby community facilities. Thus several gymsnasia, indoor ice arenas, a swimming pool, and a curling rink have been secured to accommodate the various instructional, recreational and competitive activities.

At Scarborough College one of the main programme areas is participation by students in the learning of new sports skills which can be enjoyed also after graduation. Thus golf, horseback riding, tennis, curling, sailing, gymnastics, skiing, modern dance, karate and yoga etc., are emphasized. The more proficient athletes are eligible to compete as members of University of Toronto varsity teams, or join any of Scarborough’s representative teams. Those interested in less demanding competition may participate in the Intramural Programme.

The Scarborough College Athletic Form is awarded to both men and women who accumulate merit points through participation and achievement in the athletic programme.

A handbook containing detailed information regarding all athletic facilities, activities, schedules and personnel will be available in the fall.

T. Palandri,
Director of Physical Education.
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