UTSC

UNIVERSITY OF TORONTO SCARBOROUGH COLLEGE

Calendar 1978-79

RETURN TO: S415A
Convocation and
Student Records



















1978 - 1979

UNIVERSITY OF TORONTO SCARBOROUGH COLLEGE

Calendar
1978-79

Contents

Important Notes 4
Academic Calendar 5
Administration and Faculty 7
Academic Regulations and Degree Requirements 15
I Definitions 15
II Selection of Courses and Programmes of Study 15
III Requirements for the Degree 16
IV Standing in Courses 17
V Overall Standing 18
VI Academic Records 19
VII Courses on the St. George and Erindale Campuses . . 20
VIII Withdrawal 21
IX Checking of Marks 21
X Appeal Procedures 22
XI Study Elsewhere Programme 22
XII Academic Discipline 23
XIII Ombudsman 26
XIV Campus Organizations 26
XV Appendix "The Old Rules on Assessment of Academic Status" 27
Special Summer Programmes 29
Summer Arts Programme 29
Summer Language Institute 33
Key to Course Descriptions 43
Programmes of Study and Course Descriptions 45
Anthropology 45
Astronomy 65
Biological Sciences (Biology) 68
Chemistry 81
Classical Studies 91
Commerce 101
Computer Science 105
Cooperative Programme in Administration 111
Development Studies 112
Drama 113
Economics 120
English 136
Fine Art 152
French 167
Geography 183
Geology 194
German 195
Greek 205
Greek and Roman History 205
History 206
Humanities 222
Italian 232
Joint Courses 241
Latin 251
Linguistics 252
Mathematics 260
Modern Languages and Literature 271
Music 272
Myth and Religion 276
Natural Science 277
Philosophy 279
Physics 293
Political Science 300
Psychology 308
Quaternary Studies 277
Russian 325
Sociology 329
Spanish 343

353
Timetable 354
Summer Session 355
Summer Language Institute 358
Winter Session - Academic Timetable 356
Evening Courses 367
Room and Telephone Directory 377
College Layout (Map)
Request to Register in a Supervised Reading or Research Course approval form 378
Date Calendar 379

Important Notes

a) Course Selection

Students are urged to study carefully pages 43 and 44 before reading the course descriptions. These pages contain important information concerning: the designation and numbering of courses; the meanings of prerequisite and co-requisite requirements and of exclusions; and information about supervised reading, supervised research and independent study courses.

A number of courses are jointly offered by different disciplines. These courses are described on page 241.

Students are responsible for ensuring that they have the pre- and co-requisites for all courses selected. Failure to do so may result in withdrawal from the course.

Where the prerequisite for a course is "Permission of Instructor", students may include that course on their Registration Forms without an authorizing signature. However, students are urged to consult with the instructor and obtain his permission before submitting their Registration Forms. In such courses, the instructor will receive in the first week of classes a list of all registrants, and those students without the instructor's permission will be withdrawn.

Students selecting supervised reading or research courses must obtain the permission of the instructor prior to registering in the course. Forms, to verify the instructor's approval, are included in the back of this Calendar, and must be submitted with the student's Registration Form.

As instructors may not be available during the summer, students who wish to enrol in supervised reading or research courses, or in courses where the prerequisite is "Permission of Instructor", are urged to obtain the necessary permission before they leave campus in April/May.

Students who wish to take courses offered by the Faculty of Arts and Science on the St. George or Erindale campuses should consult page of this Calendar.

b) Academic Regulations & Degree Requirements

Students are responsible for making themselves familiar with the contents of this Calendar, and particularly with the information contained in the sections of the Calendar dealing with the "Academic Calendar", academic regulations and degree requirements.

c) Curriculum Changes

The courses in this Calendar and their descriptions are accurate as at the time of printing. However, the College reserves the right to withdraw courses or to amend their descriptions; in such cases the College will make every effort to provide equivalent alternative instruction, but the provision of such instruction cannot be guaranteed.

d) Enrolment Limits

Scarborough College reserves the right to limit the number of registrants in any course in circumstances where the number of qualified applicants for a course exceeds the teaching and other resources available.

e) Registration

Students will receive from the Registrar's Office, registration information and the Schedule of Fees as follows:

Returning students	-	*With their Statement of Results*
New students	-	With their Letters of Admission
Re-enroling students	-	With a letter confirming their re-enrolment.

Students are responsible for notifying the Registrar's Office at once of any changes in their academic programme, name or address.

Academic Calendar

Summer Session, 1978

	1 April	Last day for new students to apply for admission to the University wishing to enrol in 'Y', 'A', 'F' or 'H' courses.
	15 May	Last day for new students to apply for admission to the University wishing to enrol in 'B' or 'S' courses. Applications will be accepted after the above dates to the maximum extent possible. However, applications received by the above dates will receive priority consideration.
Friday	12 May	Last day to register for 'Y', 'A', 'F' and 'H' courses.
Monday	15 May	Classes for 'Y', 'A', 'F' and 'H' courses begin.
Friday	19 May	Last day to add 'Y', 'F' or 'H' courses.
Monday	22 May	Victoria Day - University closed.
Friday	9 June	Last day to withdraw from 'F' courses.
Friday	23 June	Last day of classes in 'A' and 'F' courses on St. George and Erindale Campus.
Monday - Thursday	26 June - 29 June	Examination week in 'A' and 'F' courses on St. George and Erindale Campus.
Thursday	29 June	Last day of classes in 'F' courses. Last day for submission of term assignments. Final examinations, if required, will be held in a class period of the last week.
Friday	30 June	Last day to register for 'B' and 'S' courses.
Monday	3 July	Dominion Day holiday - University closed.
Tuesday	4 July	'B' and 'S' courses begin.
Friday	7 July	Last day to add 'B' or 'S' courses. Last day to withdraw from 'Y' or 'H' courses.
Friday	28 July	Last day to withdraw from 'B' or 'S' courses.
Monday	7 August	Civic Holiday - University closed.
Monday	14 August	Last day of classes for 'Y', 'B', 'H' and 'S' courses on St. George and Erindale Campus.
Tuesday - Friday	15 August - 18 August	Examination week for 'Y', 'B', 'H' and 'S' courses on St. George and Erindale Campus.
Friday	18 August	Last day of classes in Scarborough Campus courses. Last day for submission of term assignments. Final examinations, if required, will be held in a class period of the last week.

Winter Session, 1978-79

	1 June	Last day for current students to request a transfer to another College.
	30 June	Last day for new students to apply for admission to the University for the Winter Session 1978-79.
		Applications will be accepted after the above dates to the maximum extent possible. However, applications received by the above dates will receive priority consideration.
Monday	4 September	Labour Day - University closed.
Tuesday	5 September	Registration begins for students who did not complete all registration procedures previously.
Friday	8 September	Last day to register for 'Y', 'F', 'H' and 'A' courses.
Monday	11 September	Classes for the 1978-79 Academic Year begin. 'Y', 'H', 'F' and 'A' courses begin.
Friday	22 September	Last day to add 'Y', 'H', 'F' or 'A' courses.
	30 September	Last day for receipt of applications for Government Assistance Programmes.
Monday	9 October	Thanksgiving Day - University closed.
Friday	3 November	Last day to withdraw from first term 'F' or 'A' courses.
	15 November	Last day for receipt of application for University of Toronto In-Course Awards.
Friday	8 December	Last day of classes in the first term.
Monday	11 December	Last day for submission of term assignments in 'F' and 'A' courses.
Monday Friday	11 December 22 December	Term test and final examination period.

1979

Monday	8 January	Classes for the second term begin. Second term 'B' and 'S' courses begin. Last day to register for 'S' and 'B' courses.
Friday	19 January	Last day to add 'S' or 'B' courses. Last day to withdraw from 'Y' and 'H' courses.
	1 February	Last day for receipt of applications for Scarborough College bursaries.
Monday Friday	19 February - 23 February	Reading Week - all classes cancelled.
Friday	2 March	Last day to withdraw from 'S' or 'B' courses.
Thursday	12 April	Last day of classes.
Friday	13 April	Good Friday - University closed.
Monday	23 April	Last day for submission of term assignments for 'Y', 'H', 'S' or 'B' courses.
Monday	23 April	Annual examinations begin.
Friday	11 May	Annual examinations end.
Monday	18 June	University Convocation begins.

Administration & Faculty

Principal	J.E. Foley, BA, PhD
Assistant to the Principal	C. Caton, BA, MSc
Associate Dean (Academic)	J.R. Warden, MA
Dean of Students in Residence	E.W. Dowler, AM, PhD
Chairman, Division of Humanities	P.W. Gooch, MA, PhD
Associate Chairman	J.N. Grant, MA, PhD
Administrative Assistant	A.P. Western
Chairman, Division of Life Science	G.R. Williams, BSc, PhD, DSc
Chairman, Division of Physical Science	J.E. Dove, BSc, MA, DPhil
Technical Services Coordinator	L.A. Montgomery
Chairman, Division of Social Science	R.S. Blair, MA, MA
Administrative Assistant	M. Kimmerley
Registrar	G.L.E. Curri
Associate Registrar	N.H. Dobbs, BA
Student Services	J.M. Hurd, BA
Student Services	M.V. Champion, BA, MA
Registration Officer	M. Gerrard
Administrative Assistant	L. Pearson
Admissions Officer	R.C. Muia, BA
Comptroller	M.P. Murrill
Administrative Assistant, Personnel	J.P. Hope
Administrative Assistant, Accounts	E.I. Murrill
Administrative Assistant, Residences	N. Mawson
Librarian	J.L. Ball, MA, MLS, Dip.Lib, ALA
Head, Public Services	J.K. Sowby, BA, MLS
Co-ordinator, Collection Dept.	M. Wiederkehr, MLS
Co-ordinator, Technical Services	P. Yamamoto, BA, MS in LS
Head, Reference Service	R. Farrow, BA, MLS
Head, Scarborough-Erindale Technical Services	A. Gregorovich, BA, BLS
Director, Summer Language Institute	W.J. Kirkness, MA, PhD
Director of Writing Laboratory	B. Corben, MA
Director of Athletics	T. Pallandi, BPHE, BA, MS
Assistant Director of Athletics	J. Laaniste, BSc, BEd
Assistant Director of Athletics	M.A. Pilskalnietis, BPHE
Physician	T.W. Fox, BA, MD, FRCP (C)
Physician	A.M. Breuls, MD
Psychiatrist	Taylor Statten, MD, FRCP (C)
Manager of Physical Services	G.A. FitzGerald
Assistant Manager of Physical Services	R.L. Wright

Division of Humanities

CLASSICS

A. Boddington, B.A. (Oxon), Associate Professor
J.H. Corbett, M.A., Ph.D. (Toronto), Associate Professor
J.N. Grant, M.A. (Edinburgh), Ph.D. (St. Andrews), Associate Professor
M.E. Irwin, M.A., Ph.D. (Toronto), Associate Professor
J.R. Warden, M.A. (Cambridge), Associate Professor
I.R. McDonald, B.A. (Alberta), Ph.D. (N. Carolina), Assistant Professor

DRAMA

M.Q. Schonberg, M.A. (Toronto), Lecturer
L.L. Browne, M.A., Phil.M. (Toronto), Lecturer P-T

ENGLISH

W.J. Howard, M.A., S.T.B. (Toronto), Ph.D. (Leeds), Professor
J.M.R. Margeson, M.A., Ph.D. (Toronto), Professor
M.S. Tait, M.A., Ph.D. (Toronto), Associate Professor
A.C. Thomas, M.A., Ph.D. (Toronto), Associate Professor
E.P. Vicari, M.A., Ph.D. (Toronto), Associate Professor
M.C. Creelman, M.A., Ph.D. (Toronto), Assistant Professor
H. Jackson, M.A., Ph.D. (Toronto), Assistant Professor
J. Kay, M.A., Ph.D. (Pennsylvania), Adv. Lib. (Paris), Assistant Professor
S.M. Namjoshi, M.A. (Poona), M.S. (Missouri), Ph.D. (McGill), Assistant Professor
A.J.G. Patenall, M.A. (McGill), Ph.D. (Birmingham), Assistant Professor
K. Theil, M.A., Ph.D. (Yale), Assistant Professor

FINE ART

G. Scavizzi, M.A., Ph.D. (Turin), Associate Professor P-T
R. Siebelhoff, M.A., Ph.D. (Toronto), Assistant Professor
S. Amenta, M.A. (Sir George Williams), Lecturer P-T
J. Campbell, B.F.A. (Manitoba), Lecturer P-T
M.C. Shaw, M.A., Ph.D. (Bryn Mawr College), Lecturer P-T
D. Holman, B.F.A. (Kansas City Art Inst.), Senior Tutor

FRENCH

G.F.R. Trembley, L.ès.L., (Montpelier), Ph.D. (Yale), Professor
W.J. Bancroft, M.A. (Manitoba), Ph.D. (Harvard), Associate Professor
J.A. Curtis, M.A. M.Phil. (Toronto), Associate Professor
L.E. Doucette, B.A. (London), Ph.D. (Brown), Associate Professor
C.B. Jennings, L.ès.L. (Paris), Ph.D. (Wayne State), Assoicate Professor
W.J. Kirkness, M.A. (Auckland), Ph.D. (de Besancon), Associate Professor
P.C. Moes, M.A., B.L.S., Ph.D. (Toronto), Associate Professor
L.B. Mignault, B.A. (Toledo), Ph.D. (Colorado), Assistant Professor
S. Mittler, M.A. (Toronto), Ph.D. (Strasburg), Assistant Professor
F. Mugnier, M.A. (Lyon), Tutor

GERMAN

H. Wittmann, M.A., (Gottingen), Ph.D. (Mass.), Associate Professor
H. Ohlendorf, A.M., Ph.D. (Stanford), Assistant Professor

HISTORY

J.S. Moir, M.A., Ph.D. (Toronto), D.D. (Presb. College, Montreal), Professor
W.M. Dick, M.A. (Oregon), Ph.D. (Toronto), Associate Professor
M. Eksteins, B.A. (Toronto), B.Phil., D.Phil. (Oxford), Associate Professor
J.P.B. Kenyon, M.A., Ph.D. (Toronto), Associate Professor
A.N. Sheps, M.A., Ph.D. (Toronto), Associate Professor
E.W. Dowler, M.A. (Harvard), Ph.D. (London School of Economics), Assistant Professor
M. Gervers, M.A. (Poitiers), Ph.D. (Toronto), Assistant Professor
W.A. McKay, L.Th. (Manitoba), M.A., Ph.D. (Toronto), Assistant Professor
J.L. Pearl, M.A., Ph.D. (Northwestern), Assistant Professor
I.R. Robertson, M.A. (McGill), Ph.D. (Toronto), Assistant Professor

HUMANITIES

G.P. Richardson, B.Arch., B.D. (Toronto), Ph.D. (Cambridge), Associate Professor
S. Nigosian, M.A., Ph.D. (McMaster), Lecturer

ITALIAN

A. Franceschetti, Dott. in Lett. (Padua), Ph.D. (Columbia), Associate Professor
G. Katz, M.A., Ph.D. (Toronto), Lecturer
D. McAuliffe, A.B. (St. Peter's, Milan), Lecturer

LINGUISTICS

P.H. Salus, M.A., Ph.D. (N.Y.), Professor
R.I. Binnick, M.A., Ph.D. (Chicago), Associate Professor
J.D. Woods, B.A. (Bowdoin Col.), Ph.D. (Mass.), Associate Professor
D.M. James, M.A. (Cornell), Ph.D. (Michigan), Assistant Professor
M. Salus, M.A. (San Diego), Special Lecturer P-T

MUSIC

T.J. McGee, M.A. (Connecticut), Ph.D. (Yale), Assistant Professor

PHILOSOPHY

H. Herzberger, B.A. (Cornell), Ph.D. (Princeton), Professor
J.H. Sobel, M.A. (St. Iowa), Ph.D. (Michigan), Professor
A. Gombay, M.A. (McGill), B.Phil. (Oxon), Associate Professor
P.W. Gooch, M.A., Ph.D. (Toronto), Associate Professor
W.C. Graham, M.A., Ph.D. (Toronto), Associate Professor
D.L. Mosher, B.A. Ph.D. (Texas), Associate Professor
R.P. Thompson, M.A. (Toronto), Lecturer

RUSSIAN

C.V. Ponomareff, M.A., Ph.D. (Toronto), Associate Professor
S. Whalen, M.A., Ph.D. (Toronto), Associate Professor
N. Kosachov, M.A., Ph.D. (Ottawa), Associate Professor P-T

SPANISH

R.J. Barta, M.A., Ph.D. (Minn.), Associate Professor
P.R. León, M.A., Ph.D. (Cornell), Associate Professor
R. Skyrme, M.A., (Michigan), M.Litt. (Bristol), Ph.D. (Toronto), Associate Professor
J.I. Chicoy-Daban, M.A. (Marquette), Ph.D. (Toronto), Assistant Professor
K. Godde-Nijhowne, M.A. (N.Y.), Ph.D. (Toronto), Tutor P-T

Division of Science

ASTRONOMY

Roeder, R.C., B.Sc., M.Sc.(McMaster), Ph.D.(Illinois), Professor
Kronberg, P.P., B.Sc., M.Sc.(Queens), Ph.D.(Manchester), Associate Professor
Martin, P.G., B.Sc., M.Sc.(Toronto), Ph.D.(Cambridge), Associate Professor
Dyer, C.C., B.Sc.(Bishop's), M.Sc., Ph.D.(Toronto), Lecturer

BIOLOGY

F. A. Urquhart, B.A., M.A., Ph.D., Tor. Professor Emeritus
C. Nalewajko (Sparling), B.Sc., Ph.D., Univ.Coll.Lond. Professor
J. C. Ritchie, B.Sc., Aberdeen, Ph.D. Sheffield, D.Sc., Aberdeen Professor
G. Voss, Dr. rer. nat., Kiel Professor (sessional)
A. H. Weatherley, B.Sc., Syd., M.Sc. Tas., Ph.D., Glas. Professor
G. R. Williams, B.Sc., Ph.D., D.Sc., Liverpool Professor
I. R. Brown, B.Sc., Carleton, Ph.D., Texas Associate Professor
I. M. Campbell, B.Sc., Alberta, M.A., Ph.D. Tor. Associate Professor
R. E. Dengler, B.Sc., Ph.D., UCD Associate Professor
M. F. Filosa, B.S., St.Peter's, M.S., Fordham, Ph.D., Princeton Associate Professor
G. F. Israelstam, B.Sc., Witwatersrand, Ph.D., Univ.Coll. Lond. Associate Professor
J. H. Youson, B.A., Victoria, M.Sc., McGill, Ph.D., Western Associate Professor
R. Boonstra, B.Sc., Calgary, Ph.D., B.C. Assistant Professor
C. K. Govind, B.Sc., Rhodes, M.Sc., Natal, Ph.D., Manitoba, Assistant Professor
J. W. Gurd, B.A., Mnt.All., Ph.D., McGill Assistant Professor
D. D. Williams, B.Sc., Univ.Coll. N.Wales, M.Sc., Ph.D., Waterloo Assistant Professor
J. Silver, B.Sc., Ph.D., CUNY Assistant Professor
C. Pickett, B.Sc., M.A., Tor. Senior Tutor
R. Webb, B.Sc., M.Sc., York Tutor
C. Ng., B.Sc., M.Sc., Hong Kong Instructor

CHEMISTRY

Dove, J.E., B.Sc., M.A., D.Phil.(Oxford), Professor and Chairman of the Physical Sciences Group
Tidwell, T.T., B.S.(Georgia Inst. Tech.), Ph.D.(Harvard), Professor
Walker, A., B.Sc., Ph.D.(Nottingham), Associate Professor
McClelland, R.A., B.Sc., Ph.D.(Toronto), Assistant Professor
Kenney-Wallace, G.A., A.R.I.C., M.Sc., Ph.D.(British Columbia), Assistant Professor
Brumer, P.W., B.S.(Brooklyn), Ph.D.(Harvard), Assistant Professor
Jack, T.R., B.Sc., Ph.D.(Toronto), Assistant Professor
Potter, Ms. Janet, B.Sc.(Birmingham), M.Sc.(Windsor), Senior Tutor
Henderson, Mrs. Karen, B.Sc.(Toronto), Senior Tutor
Verner, Mrs. Ann, M.Sc.(Toronto), Tutor

COMPUTER SCIENCE

Enright, W.H., B.Sc.(British Columbia), M.Sc., Ph.D.(Toronto), Associate Professor
Perrault, C.R., B.Sc.(McGill), M.A., Ph.D.(Michigan), Assistant Professor
Moenck, R.T., B.Sc.(Sussex), M.Sc., Ph.D.(Toronto), Assistant Professor

GEOLOGY

Westgate, J.A., B.Sc.(Reading), Ph.D.(Alberta), Professor

MATHEMATICS

Ellers, E.W., Ph.D.(Hamburg), Professor
Halperin, J.S., M.Sc.(Toronto), Ph.D.(Cornell), Associate Professor
Keast, P., M.Sc.(Edinburgh), Ph.D.(St. Andrew's), Associate Professor
Kupka, I., Ph.D.(Rio de Janeiro), Associate Professor
Leah, P.J., Ph.D.(Toronto), Associate Professor
Mendelsohn, E., B.Sc., M.Sc.(Manitoba), Ph.D.(McGill), Associate Professor
Pierce, S.J., B.S.(Stanford), Ph.D.(California), Associate Professor
Sharpe, R.W., M.Sc.(Toronto), Ph.D.(Yale), Associate Professor
Wilker, J.B., B.Sc.(Toronto), M.A.(British Columbia), Ph.D.(Toronto), Associate Professor
Delver, R., M.Sc.(TU Delft), Ph.D.(California), Assistant Professor
Callahan, T., M.Sc., Ph.D.(Toronto), Assistant Professor
Evans, M.J., B.Sc.(Western Ontario), M.Sc., Ph.D.(Toronto), Assistant Professor
Hall, D., B.Sc., Senior Tutor
Hall, Mrs. Miriam, B.Sc.(Acadia), Senior Tutor
Chawla, S., M.Sc., M.Sc. (McMaster), Instructor
Kardos, P., Ph.D.(Waterloo), Instructor
Moore, E., M.A.(Memorial), Instructor
Peek, E., M.A., Ph.D.(Western Ontario), Instructor
Shum, D., Ph.D.(Carleton), Demonstrator

PHYSICS

Corben, H.C., M.A., M.Sc.(Melbourne), Ph.D.(Cantab.), Professor
Griffin, A., M.Sc.(British Columbia), Ph.D.(Cornell), Professor
O'Donnell, P.J., B.Sc., Ph.D.(Glasgow), Professor
Walker, M.B., B.Eng.(McGill), D.Phil.(Oxford), Professor
Jacobs, A.E., B.A.Sc.(Toronto), M.Sc.(Waterloo), Ph.D.(Illinois), Associate Professor
King, J.D., B.A.(Toronto), Ph.D.(Saskatchewan), Associate Professor
Lee, M.J.G., M.A., Ph.D.(Cantab.), Associate Professor
Perz, J.M., B.A.Sc., M.A.Sc.(Toronto), Ph.D.(Cantab.), Associate Professor
Woollatt, G., B.Sc.(Sir Geo. Williams), Senior Tutor

PSYCHOLOGY

J. E. Foley, B.A., Ph.D., Syd. Professor
B. Forrin, B.A., Tor., M.A., Ph.D. Mich. Professor
G. B. Biederman, B.Sc., CUNY, Ph.D., NYU. Associate Professor
K. K. Dion, B.A., Wellesley, Ph.D. Minn. Associate Professor
J. M. Kennedy, B.Sc., M.Sc., Belf., Ph.D. Cornell Associate Professor
A. Kukla, A.B., M.A., Ph.D., UCLA Associate Professor
N. W. Milgram, B.A., U.Cal., M.A., Ph.D., McGill Associate Professor
J. D. Pauker, B.A., CUNY, M.S., Purdue, Ph.D., Wash.U. Associate Professor (Part-time)
M. C. Smith, B.A., Tor., Ph.D., MIT Associate Professor
J. Bassili, B.A., McGill, Ph.D., Cornell Assistant Professor
G. C. Cupchik, B.A., Mich., M.A., Ph.D. Wisc. Assistant Professor
T. L. Petit, B.S., M.A., Louisana, Ph.D., Flor. Assistant Professor
R. J. Brown, B.A., Sask., M.A., Ph.D., Waterloo Assistant Professor
F. Klajner, B.Sc., McGill, M.A., Ph.D., Tor. Assistant Professor
D. Ostry, B.A.Sc., M.A.Sc., Ph.D., Tor. Assistant Professor
M. Siegal, B.A., McGill, M.E., Harvard, D.Phil. Oxon. Assistant Professor.
V. Hans, B.A., UCSD, M.A., Tor. Lecturer
R. Goldenberg, B.A., Tor. Tutor
P. Lyons, B.A., Tor. Tutor
G. A. J. Heighington, B.A., Tor., Tutor (Part-time)
W. E. Barlow, B.A., Western Wash., M.A. Tor., Instructor

Division of Social Science

ANTHROPOLOGY

McFeat,T.F.S., B.A.(McGill), M.A., Ph.D. (Harvard), Professor
Burton,Mrs.Frances D., B.Sc., M.A.(NYU), Ph.D.(Cuny), Associate Professor
Chew, J.J. , B.A. (Columbia), M.A., Ph.D., (Yale), Associate Professor
Hopen,C.E., M.A. (Columbia), Associate Professor
Kleindienst, Mrs. Maxine, B.A. (New Mexico), M.A.,Ph.D. (Chicago), Associate Professor
Schroeder, H.B., B.A.(Penn.State), Ph.D. (Columbia),Associate Professor
Shirley, R.W., M.A.(Stanford), Ph.D. (Columbia), Associate Professor
Latta, Mrs. Martha,B.A. (Kansas), M.A., Ph.D. (Toronto), Assistant Professor
Sawchuk, L., B.A., M.A. (Manitoba), Ph.D. (Toronto),Assistant Professor

COMMERCE

Babiak, H., B.Sc.(Econ.) (London), M.B.A.(Western), C.A., Associate Professor
Mitchell, T.J., B.Comm. (Carleton), M.M.Sc. (Ottawa), Assistant Professor
Stawinoga, A., B.A. (Toronto), M.B.A. (York), Tutor

ECONOMICS

Bladen, V.W., B.A. (Oxon.), Ll.D., D.Litt.,D.Sc.Soc., Professor Emeritus and Honorary Lecturer
Berry, R.A., B.A. (Western), Ph.D. (Princeton), Professor
Moggridge, D.E., B.A. (Toronto), M.A., Ph.D. (Camb.), Professor
Tarshis, L., M.A., Ph.D. (Camb.), B.Comm.(Toronto), Professor
Bucovetsky, M., B.A., M.A., Ph.D. (Toronto), Associate Professor
Campbell, D.E., B.A. (Queen's) Ph.D. (Princeton), Associate Professor
Cohen, J., B.A. (Columbia), M.A., Ph.D. (California), Associate Professor
Gunderson, M., B.A. (Queen's), M.A., Ph.D. (Wisconsin),Associate Professor
Scadding, J., B.Comm. (British Columbia), Ph.D.(Chicago), Associate Professor
Westin, R.B., B.A. (Mich.State), Ph.D. (Minnesota),Associate Professor
Howson, Mrs. Susan K., B.A., M.Sc.(London), M.A., Ph.D. (Camb.), Assistant Professor
Krashinsky, M., S.B.(Econ.) (M.I.T.), M.Phil., Ph.D. (Yale), Assistant Professor
Parker, I.C., B.A. (Manitoba), M.A.(Toronto), Ph.D. (Yale), Assistant Professor

GEOGRAPHY

Bryan, R.B., B.A. (Dublin), Ph.D. (Sheffield), Professor
Bunce,M.F., B.A., Ph.D. (Sheffield), Associate Professor
Cave, P.W., B.A. (Oxon.), M.A.(Toronto),Ph.D.(Oxon.), Associate Professor
Greenwood,B., B.Sc., Ph.D. (Bristol), Associate Professor
Miron, J.R., B.A.(Queen's),M.A.(Penn.),M.Sc.,Ph.D.(Toronto),Associate Professor
Price,A.G., B.Sc.(Wales), M.Sc., Ph.D.(McGill), Assistant Professor
Relph,E., B.A., M.Phil. (London), Ph.D.(Toronto),Assistant Professor
Dworkin,Mrs. Judith, B.A.(Univ.de Dijon), M.A. (Clark), Lecturer

POLITICAL SCIENCE

Colman,S.J., M.A. (Oxon.), Professor
Manzer,R., B.Ed.(New Brun.), B.A., M.A.(Oxon.), Ph.D.(Harvard), Professor
Andrew,E.G., B.A.(British Columbia), Ph.D.(London),Associate Professor
Blair,R.S.,M.A.(Glasgow),M.A.(Toronto),Associate Professor and Chairman of Division
Falkenheim,V., B.A.(Princeton), M.A.,Ph.D.(Columbia),Associate Professor
Sandbrook,K.J.R., B.A.(Carleton),M.A.(Toronto),D.Phil.(Sussex), Associate Professor
Solomon,Mrs.Susan, B.A. (McGill),M.A.,Ph.D.(Columbia), Associate Professor
Colton,T., B.A., M.A. (Toronto), Ph.D.(Harvard),Assistant Professor
Esberey,Ms.Joy, B.Ed.,B.A.(West.Australia),B.Sc.(London), M.A., Ph.D. (Toronto), Assistant Professor
Rubinoff, A., A.B.(Allegheny), M.A., Ph.D. (Chicago),Assistant Professor
Donnelly, M.W., B.Sc., M.A. (Columbia) Lecturer

James, R.L., B.A., (Wayne State), Ph.D. (Ottawa), Professor (on leave Spring Term 1979)
Rapoport, A., B.Sc., M.Sc., Ph.D. (Chicago), Professor
Beals, R., B.A. (UCLA), M.A., Ph.D. (Calif.), Associate Professor
de Lannoy, J.-L.Sc.Soc. (Louvain), Ph.D. (Calif.), Associate Professor (on leave 1978-1979)
Howell, Ms. Nancy, B.A. (Brandeis), Ph.D. (Harvard), Associate Professor
Tsajiw, W.W., B.A. (LaSalle), M.A., Ph.D. (Catholic Univ. of America), Associate Professor
Lee, J.A., B.A., M.A. (Toronto), D. Phil. (Sussex), Associate Professor
Marsden, Ms. Lorna, B.A. (Toronto), Ph.D. (Princeton), Associate Professor
O'Toole, R., B.A. (Leeds), M.A. (McMaster), Ph.D. (Toronto), Associate Professor
Glickman, Y., B.A. (Hebrew Univ.), M.A., Ph.D. (Toronto), Assistant Professor
Grafstein, D., B.A. (Waterloo), M.A. (Northeastern), Ph.D. (Johns Hopkins), Assistant Professor
Hammond, M., B.A. (Calif.), M.A., Ph.D. (Toronto), Assistant Professor
Hannigan, J., B.A., M.A. (Western), Ph.D. (Ohio State), Assistant Professor
Lodhi, A., B.A., (Punjab), M.A., Ph.D. (Toronto), Assistant Professor
Ungar, S., B.A. (McGill), M.A., Ph.D. (York, Can.), Assistant Professor

Academic Regulations & Degree Requirements

I. Definitions

Students should employ the following definitions in reading the degree requirements and academic regulations below.

(1) A Course

The word "course" is used in two ways. In reference to a single course (such as "standing in a course" or "last day to withdraw from a course") the word may be taken to refer to a full course or half course. In reference to a given number of courses (such as the requirement of passing 15 courses for a fifteen course degree), the word refers to a number of full courses or the equivalent number in full and half courses.

(2) To Pass a Course

To pass a course means to obtain a grade of D- or better in that course.

II. Selection of Courses and Programmes of Study

(1) Each student may plan his own Programme, selecting from amongst all courses available, subject to the following regulations.

(a) The degree requirements and other regulations set out below must be satisfied.

(b) All prerequisite and corequisite requirements must be met.

(c) No student may enrol for credit for a course which is propaedeutic (elementary) to a course which the student has already passed.

(d) Students may enrol for credit in no more than seven A-level courses.

(2) Each student may proceed towards his degree at a rate of his own choosing, except as follows.

(a) The usual load for a full-time student in the Winter Session is five courses.

(b) The usual maximum load for a student in the Summer Session is two courses.

(c) A student who is on probation may enrol in no more than five courses in the Winter Session or one and one-half courses in the Summer Session.

(3) In selecting their courses, students are advised (but not required):

(a) To include courses from at least two Divisions (Humanities, Science, Social Sciences) among their first ten courses;

(b) To include some advanced work based on earlier studies, by including at least two C level courses within a twenty-course degree programme; and

(c) To consider taking, where appropriate, at least a half course of independent study or supervised reading in an area related to their other studies.

(4) Students may, if they wish, enrol in one of the programmes of study described in this Calendar. Completion of a programme is recorded on a student's transcript.

(a) Major Programmes. Students may complete one of the major programmes described in the Calendar (e.g. Anthropology, Biology, Commerce and Economics, Modern Languages and Literature) as part of a twenty course degree programme.

(b) The Humanities Programme and the Related Studies Programmes. These programmes may be completed as part of either a fifteen course or a twenty course degree programme. The Related Studies programmes are the following: Development Studies, History of Ideas, Myth and Religion, and Quaternary Studies.

(c) A student who wishes to take a major programme or another programme of studies described in this Calendar should complete the following procedures.

(i) Enrol in the Programme with the Supervisor of Studies at the beginning of the second year of full-time study (or at the beginning of the session in which a part-time student takes his sixth course).

(ii) Re-enrol at the beginning of each subsequent Winter Session.

(iii) In the session in which the student expects to graduate, inform the Supervisor of Studies and the Registrar that he wishes to have completion of the programme recorded on his transcript.

(d) Students who do not wish to complete major programmes or other programmes of study described in this Calendar are urged to consult the general advice given the course descriptions for each discipline and to seek specific advice with respect to course selection from appropriate faculty members.

III. Requirements for the Degree

(1) The Fifteen Course Degree

To qualify for a fifteen course degree, a student must:

(a) pass at least fifteen courses;

(b) among these, pass at least eight B-level and/or C level courses;

(c) obtain a grade of C- or better in at least nine courses, including at least five B level and/or C level courses; and

(d) for a Bachelor of Science degree, pass at least six B level and/or C level courses in Science, as defined below.

(2) The Twenty Course Degree

To qualify for a twenty course degree, a student must:

(a) pass at least twenty courses;

(b) among these, pass at least thirteen B level and/or C level courses;

(c) obtain a grade of C- or better in at least thirteen courses, including at least nine B level and/or C level courses; and

(d) for a Bachelor of Science Degree, pass at least nine B level and/or C level courses in Science, as defined below.

(3) Courses in Science for the B.Sc. Degree

The following courses are considered to be courses in Science for purposes of determining eligibility for the Bachelor of Science degree.

(a) All B level and C level courses in the following disciplines: Astronomy, Biological Science, Chemistry, Computer Science, Geology, Mathematics, Physics and Psychology;

(b) The following courses in Anthropology: ANTB11, ANTB12, ANTB14, ANTB15, ANTB22, ANTB25, ANTB26, ANTB27, ANTB29, ANTB33, ANTB36, ANTB39, ANTB40, ANTB43, ANTB44, ANTC08, ANTC12.

(c) The following courses in Georgraphy: GGRB02, GGRB03, GGRB07, GGRB10, GGRB11, GGRB15, GGRB18, GGRB19, GGRB21, GGRC05, GGRC06, GGRC08, GGRC15, GGRC19, GGRC23. In addition, the following courses may be used to fulfill Bachelor of Science requirements for students researching or reading in appropriate scientific areas of geography: GGRB09, GGRB16, GGRC01, and GGRC07.

Psychology students should note that JLPB55 is not normally credited towards the Science requirement for the Bachelor of Science. NSCB02 as well as the following joint courses: JBC, JMC, JMP, JPA, JPM and JLPB55 (76/77 only) may be considered for Science credit.

IV. Standing in a Course

(1) Students are assigned a grade in each course as follows.

Percentage	Grade	Grade Point Value	Grade Definition
90 - 100	A+	4.3	Exceptional performance with strong evidence of original thinking, good organization, capacity to analyze and synthesize; a superior grasp of the subject matter with sound critical evaluations; evidence of an extensive knowledge base.
85 - 89	A	4.0	
80 - 84	A-	3.7	
77 - 79	B+	3.3	Good performance with evidence of a grasp of the subject matter, some evidence of critical capacity and analytic ability, and reasonable understanding of the relevant issues under examination; evidence of familiarity with the literature.
73 - 76	B	3.0	
70 - 72	B-	2.7	
67 - 69	C+	2.3	Intellectually adequate performance of a student who is profiting from his univeristy experience; an understanding of the subject matter and an ability to develop solutions to simple problems found in the material.
63 - 66	C	2.0	
60 - 62	C-	1.7	
57 - 59	D+	1.3	Minimally acceptable performance; some evidence of familiarity with the subject matter and some evidence that critical and analytic skills have been developed.
53 - 56	D	1.0	
50 - 52	D-	0.7	
Pass/Fail Course	Pass	No Value	
35 - 49	E	0.3	Inadequate performance in the subject; evidence of familiarity with only some of the subject matter; the presence of some critical and analytic skills.
0 - 34	F	0.0	Inadequate performance in which there is little evidence of even a superficial understanding of the subject matter; in which there is weakness in critical and analytic skills, with limited or irrelevant use of literature.
Pass/Fail Course	Fail	0.0	

(2) Grades of "E", "F" and FAIL are failing grades, yielding no standing in a course and no degree credit.

(3) The Sub-committee on Standing may, on petition, assign the following grades, which have no grade point value:

AEG — Aegrotat standing - awarded on the basis of term work.

SD — Standing Deferred - in cases where an extension of time to complete a course is granted on the basis of medical or similar evidence.

(4) The Sub-committee on Standing may, on petition, allow a student to re-take a course which he has already passed or to take a course which is not normally permitted (for example, an eighth A level course). In such cases the course will be designated as XTR - and extra course not for degree credit. Extra courses have no grade point value.

(5) Students may withdraw from courses until the following deadlines:

	1978 Summer Session	1978/79 Winter Session
Year long courses ("Y" and "H")	7 July 1978	19 Jan. 1979
First term courses ("F" and "A")	9 June 1978	3 Nov. 1978
Second term courses ("S" and "B")	28 July 1978	2 March 1979

(6) Students may not normally repeat any course which they have already passed. There are no supplementary examination privileges or provisions to re-write examinations to upgrade a mark. (Only in the case of a successful petition on the basis of illness or other extenuating circumstances are students permitted to write "special" final examinations.)

V. Overall Standing

(1) Both a sessional and a cumulative grade point average will be calculated for each student at the end of each session, and shown on the student's transcript.

(a) A grade point average is calculated as follows: the grade points earned in each full course and one-half the grade points earned in each half course are added together and this total is divided by the number of full courses (or equivalent) taken.

(b) A sessional grade point average is calculated on the basis of all courses taken in a given session (winter or summer).

(c) A cumulative grade point average is calculated on the basis of all courses taken.

(2) A student's academic status shall be determined as follows.

(a) A student who maintains a cumulative grade point average of 1.50 or better shall be said to be in good standing.

(b) A student shall be placed on probation as follows:

(i) a student shall be placed on probation who has attempted at least four full courses (or equivalent) in the College and has a cumulative GPA of less than 1.50.

(ii) A student returning from suspension (under (d) (iii) below or under any provision in previous College rules) shall be placed on probation again.

(c) A student shall clear probation if he achieves a cumulative GPA of 1.50 or more,

(d) A student shall be liable for suspension or refusal of further registration if he has attempted at least two full courses (or equivalent) since most recently having been placed on probation and has a cumulative GPA of less than 1.50.

(i) A probationary GPA shall be calculated for such students, being the GPA of all courses taken since the student was most recently placed on probation.

(ii) Such a student shall continue on probation if his probationary GPA is 2.00 or better.

(iii) Such a student shall be penalized if his probationary GPA is less than 2.00:

- if the student has incurred no previous suspension, he shall be suspended for one year.
- if the student has previously incurred a one year suspension, he shall be suspended for three years.
- if the student has previously incurred a three year suspension he shall be refused further registration in the College.

(3) The rules governing determination of academic status in (2) above were introduced as of the beginning of the 1978 Summer Session. No student who began his degree programme at Scarborough College before the 1978 Summer Session will be suspended or refused further registration through application of these (new) rules, if that penalty (or a more severe penalty) would not also have been applied under the (old) rules as published in the Appendix to this section of this Calendar.

(a) In such cases, the student's academic status will be determined by application of the old rules, except that student may not be granted application of the old rules to prevent penalty at the end of a given session if application of the old rules would have caused that same penalty (or a more severe penalty) in an earlier session.

(b) No petition will be granted to prevent a student from being placed on academic probation under the new rules on the grounds of disadvantage owing to transition to the new rules.

(c) Until the end of the 1979-80 Winter Session, the Office of the Registrar will automatically apply both the old and the new rules to students about to be suspended or refused further registration to determine which is more favourable. Beginning the 1980 Summer Session, students may request application of the old rules by means of a petition.

VI. Academic Records

(1) Transcripts

The transcript of a student's academic record reports: the student's admission record; standing in all courses attempted; certain information about the student's academic status (including record of the imposition of suspension and refusal of further registration); completion of a fifteen course and a twenty course degree programme; date of conferral of the degree; completion of a major programme or other programme of study outlined in this Calendar.

A student may obtain copies of his academic transcript subject to reasonable notice and for the following fee: one dollar for the first copy and fifty cents for each additional copy.

A student may request copies of his transcript in person or by letter. As a student's signature is required to authorize release of his transcript, telephone requests cannot be honoured.

Students who wish to order copies of their transcript by letter should write, including a cheque payable to the "University of Toronto", to: Registrar's Office, Scarborough College, 1265 Military Trail, West Hill, Ontario, M1C 1A4.

(2) Degrees

A student may receive only one undergraduate Arts and Science degree from the University of Toronto. Scarborough College students may earn either a Bachelor of Arts or a Bachelor of Science degree.

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

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

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

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

VII. Courses on the St. George and Erindale Campuses

Students may request registration in courses offered by the Faculty of Arts and Science on the St. George and Erindale Campuses, subject to the following rules.

(1) The majority of a student's courses at all times must be Scarborough College courses. This refers to the majority of the courses in which the student is currently registered plus those which he has already passed.

(2) Students in full-time programmes (four or more courses in a given winter session) may register in:

(a) a maximum of two St. George or Erindale courses in the Winter Session;

(b) a maximum of one St. George or Erindale course in the following Summer Session; and

(c) may enrol in no course on the St. George or Erindale campuses in the Winter Session where an equivalent course is offered on the Scarborough Campus in the same Winter Session. (A list of courses deemed to be equivalent for purposes of this rule may be consulted at the Office of the Registrar, the Student Services Office and the Divisional Offices.)

(3) These rules (1 and 2 above) apply for the student's first fifteen course only. A student's sixteenth course, and course thereafter, may be taken on the St. George and Erindale campuses without reference to the restrictions above providing an equivalent

course is not offered at Scarborough College in the same Winter Session (as in 2(c)).

(4) Students should be aware that there are a limited number of places in many courses on the St. George and Erindale campuses, and that in some Departments, Scarborough students may be given a lower priority than St. George campus/Erindale campus students in the assignment of places.

(5) Students are not normally permitted to register for courses in Faculties other than Arts and Science for credit towards their Arts and Science degrees.

VIII. Withdrawal

For the last dates for withdrawal from courses, students should consult the "Academic Calendar", page

Students who withdraw from courses before these last dates are entitled to a fees adjustment; the amount of this adjustment is determined by the date written notification of withdrawal is received by the Registrar's Office.

Full information concerning withdrawal procedures and fees adjustments will be included in the registration material and the Schedule of Fees.

Students who wish to withdraw entirely from the College should notify the Office of the Registrar at once. Before any refund is authorized, students must:

- return any books to the Library, pay Library fines, and return their Library cards;
- surrender any Bookstore charge card and pay any outstanding account;
- surrender their registration card;
- return any equipment borrowed from the Recreation Centre and surrender any locker in the Centre;
- surrender any College locker and parking permit;
- surrender any laboratory locker and equipment.

IX. Checking of Marks

(1) Failing Grade - E & F

The rules of the College require instructors to re-read the final examination (if any) and to re-check the calculation of the term and final marks before submitting a failing grade for a student.

(2) Courses with Final Examinations

After the issue of Statement of Results and within six months of the examination period, a student may request from the Registrar's Office a reproduction of his final examination for a fee of $5.00. If he subsequently wishes to have a clerical check of his marks made, he must do so within six months after the final examination period.

(3) Courses with No Final Examinations

After the issue of Statement of Results and within six months after the end of the examination period, a student may request of the Registrar's Office a clerical check of his marks for a fee of $5.00. If an error is discovered and the mark is changed, the fee will be refunded.

(4) Re-reading of Final Examinations

After a student has seen a reproduction of his final examination,

(c) within six months of the examination period, a student may petition the Sub-committee on Standing for a re-reading of his final examination. However, the student must supply substantial reasons for wanting the final examination re-read.

X. Appeal Procedures

(1) Petitions

(a) Exceptions to the Rules

Students may request exceptions to any of the academic regulations of the College. The procedures for such requests is a petition to the Sub-committee on Standing, stating the request and outlining special circumstances. Students who would like to submit a petition should consult a counsellor in the Student Services Office, Room S-418C, telephone 284-3292.

(b) Special Consideration in a Course

A student may find it necessary to request special consideration in a course owing to illness or other circumstances beyond his control.

Where a student is unable to write a final examination (or where his performance on a final examination is adversely affected) or where a student wishes to request an extension of time to submit term work beyond the last date published in the "Academic Calendar", a student must submit a petition to the Sub-committee on Standing. Any petition for special consideration in a course must be submitted on or before the last day of the relevant examination period, together with a medical certificate which includes a statement that the student was examined at the time of the illness, or together with other evidence to support the petition.

Where a student is unable to write a term examination (or where his performance on a term examination is adversely affected), or where a student is unable to meet an instructor's deadline for term work but is able to submit that term work before the College deadline at the end of term, a petition is unnecessary. In such cases, the student should approach his instructor to request special consideration.

(c) Academic Appeals

Decisions of the Sub-committee on Standing may be appealed to the College Sub-committee on Academic Appeals. Appellants should consult the Office of the Associate Dean, S414A, telephone 284-3124.

Further appeals may be directed to the Governing Council's Academic Appeals Board. Consult the Secretary to the Board, Office of the Secretary of the Governing Council, Room 106, Simcoe Hall, St. George Campus, telephone 978-8794.

XI Study Elsewhere Programme

Students, especially those in the foreign languages, are encouraged to consider seriously the Study Elsewhere Programme, whereby credit may be obtained for work done elsewhere than at the University of Toronto.

Programme of Study

There are basically two types of Study Elsewhere:

(a) Students may, after having obtained official approval from Scarborough College, (see Application below), register at a host University and follow its courses for credit; these credits may then be approved by the Sub-committee on Standing and translated into Scarborough College credits (the "Credit Transfer" Programme);

(b) Students may elect to do Scarborough College supervised reading or independent studies courses off-campus in a location which will enhance their education in these courses (the "Supervised Study Elsewhere" Programme).

A mixed programmes of study is of course possible, with some courses followed at a host university for credit transfer, and some Scarborough College supervised study courses taken while the student is on the host campus.

Fees and Aid

(a) Students in the Credit Transfer Programme pay the appropriate fees at the host university, and a nominal fee to the University of Toronto per term of study elsewhere, in order to maintain registration in Scarborough College.

(b) Students in the Supervised Study Elsewhere Programme pay the regular Scarborough College fees per course.

(c) Students in a mixed programme pay the nominal registration fee and the regular course fee for each Scarborough College course in which they register.

(d) Depending upon the Programme followed and its length of time there may be access to student aid. Consult the Student Services Office.

Application

The interested student is invited to consult with the Associate Chairman, Division of Humanities, who coordinates the Programme. In consultation with the student, he will arrange for a supervisor of studies from among the faculty.

The student should prepare his proposed course of study with his supervisor, and submit it to the Associate Chairman three months before the beginning of the proposed term of study elsewhere.

Detailed guidance is available from the Associate Chairman to help students in constructing their programmes and in seeking approval for credits obtained elsewhere.

Regulations

(a) Any student of the College who is not on probation or returning from suspension, and who has completed four full courses, may apply for admission to the Study Elsewhere Programme.

(b) Applications require the approval of the Sub-Committee on Standing.

(c) Since registration in Scarborough College is maintained, the general regulations of the College pertain to students in the Study Elsewhere Programme.

(d) No more than six full courses in a degree programme may be taken in the Study Elsewhere Programme.

(e) Students participating in the Study Elsewhere Programme should complete their approved course of study by the beginning of the next Winter Session.

XII Academic Discipline

A Code of Behaviour regarding academic discipline has been approved by the Governing Council of the University. This Code applies to all students proceeding to University of Toronto degrees, diplomas or certificates, and to all academic staff whose major appointment is with the University of Toronto.

...the rights and freedoms to be enjoyed by members ...niversity. It also lists forms of behaviour regarded as ...demic offences in the University, and the sanctions for such offences. Examples of such offences include plagiarism, cheating in examinations, the evaluation of a student's work by reference to any criterion that does not relate to the merit of the work, etc.

The machinery for dealing with breaches of the Code is provided for in the Enactment of the Governing Council concerning the Disciplinary Tribunal. Copies of this Enactment can be obtained from all College and Faculty offices, the Office of the Vice-President and Provost, (Simcoe Hall), and from the Office of the Secretary of the University Disciplinary Tribunal (Simcoe Hall).

Academic Offences

1. In order to protect the integrity of the teaching, learning and evaluation processes of the University it shall be an offence for any member knowingly,

(i) to use unauthorized aids or obtain unauthorized assistance in any academic writing, essay, thesis, research report, project of assignment submitted for credit in a course or program of study, or on an examination;

(ii) to represent as that of the member in any academic writing, essay, thesis, research report, project or assignment submitted for credit in a course or program of study, any idea or expression of an idea of another;

(iii) to represent as that of the member any idea or expression of an idea contained in any academic writing, essay, thesis, research report, project or assignment submitted for credit in, or otherwise in connection with, any course or program of study;

(iv) to submit for credit in any course or program of study, without the knowledge and approval of the member to whom it is submitted, any academic writing, essay, thesis, research report, project or assignment for which credit has previously been obtained or is being sought in another course or program of study in the University or elsewhere;

(v) to submit for credit in any course or program of study any academic writing, essay, thesis, research report, project or assignment containing a purported statement of fact or reference to a source which has been fabricated.

(a) To the benefit or detriment of a member or former member:

(i) to evaluate work performed by the member for credit in a course or programe of study by reference to any criterion that does not relate to the merit of the work, provided that a department or a division of the University shall have the right to establish regulations prescribing penalties that may be imposed in the recording of the grade for work which a member has failed to perform or submit within the time or in the manner required, and where such regulations have been established, penalties for such failure may be imposed by a member in accordance therewith;

(ii) to evaluate an application duly made by the member or former member who is seeking admission or transfer to a course or program of study by reference to any criterion that does not relate to the academic sutiability of the applicant for the course or program of study; except that where a limitation on enrolment in the course or program of study exists, academically suitable candidates may be selected by duly established and published criteria.

2. In order to protect the integrity of the degrees, diplomas and certificates granted by the University, the Tribunal shall have the power to recommend to the Governing Council the cancellation, recall or suspension of any degree, diploma or certificate obtained by any alumnus who, while a member, committed any academic offence, which if detected before the granting of the degree, diploma or certificate, would, in the judgement of the Tribunal, have resulted upon conviction in the application of any sanction sufficiently severe to lead to the loss of credit in any course or program of study pursued by that alumnus, so that the degree, diploma or certificate would not have been granted.

Academic Sanctions

(a) The following sanctions, listed in order of increasing severity, may be imposed by the Tribunal upon conviction of any student of any academic offence as hereinafter defined:

(i) Caution or warning;
(ii) Censure or reprimand;
(iii) Failure in or cancellation of credit for any course or program of study in respect of which any academic offence was committed;
(iv) Suspension from attendance in all courses in which the student is registered at the time the offence was committed for any period less than twelve months from the date on which the offence was committed, and with loss of credit for all courses which have not been completed or in which no grade or final evaluation has been registered at that time;
(v) Suspension for such period not exceeding two years from the end of the session in which order of the Tribunal was made, as the Tribunal may determine;
(vi) Expulsion.

(b) The following sanctions, listed in order of increasing severity, may be imposed by the Tribunal upon conviction of any member of the teaching staff, teaching assistant, research associate or student when such student is acting in the course of any duty as teaching assistant, part-time lecturer or full-time lecturer in the University, of an academic offence as hereinafter defined:

(i) Caution or warning;
(ii) Censure or reprimand;
(iii) Recommendation to the President for the application of administrative sanctions which may include, denial of merit pay increase, postponement of consideration for tenure or promotion, but which shall not include removal;
(iv) Removal.

(b) That commencing with the session 1978/79 all persons convicted of academic offences under the Code of Behaviour on Academic Matters have their names included in a report to the Academic Affairs Committee.

Non-Academic Discipline

The Councils of University College, Scarborough, Erindale, New and Innis Colleges, the governing bodies of the Federated Universities and Affiliated Colleges, and the Councils of the Faculties, Schools and Institutes have disciplinary jurisdiction over the conduct of all students registered in these divisions of the University in all matters of local or internal concern to the divisions. Jurisdiction over the conduct of students while in residence rests with the body administering the residence.

Where the appropriate body exercising disciplinary jurisdiction has found that a student of the University has engaged in conduct prejudicial to the interests of the University, the Caput may, at its discretion, suspend or expel such student from the academic privileges of the University. Every decision of the Caput involving the expulsion of a student from the University requires confirmation of the Governing Council. The role of the Caput and the various Councils as described above is contingent on the understanding that offences or actions or claims within the jurisdiction of criminal and civil courts will be referred where appropriate to those courts and will only be reviewed by the Caput where the implications to the University are considered sufficiently important to warrant such review.

Enquiries should be directed to: Office of the Vice-President-Internal Affairs, Room 112, Simcoe Hall, University of Toronto (Telephone: 978-2196).

XIII Ombudsman

As part of the University's commitment to ensuring that, in spite of its size and complexity, the rights of its individual members are protected, a University Ombudsman has been appointed on an experimental basis to investigate grievances or complaints against the University, or anyone in the University exercising authority, from any member of the University - student, faculty or administrative staff. He assists in any way he can in resolving grievances or complaints, and can recommend changes in academic or administrative decisions where this seems justified. In handling a grievance or complaint, he has access to all relevant files and information, and to all appropriate University officials.

The Ombudsman also provides information to members of the University about their rights and responsibilities, and the procedures to follow in order to pursue whatever business or complaint they may have.

All matters dealt with by the Ombudsman are handled in a strictly confidential manner unless the individual involved approves otherwise. The Ombudsman is independent of all administrative structures of the University, and is accountable only to the President and the Governing Council.

In setting up the Ombudsman's Office, a special effort has been made to ensure that its services are readily accessible to all members of the University. The office is located at 16 Hart House Circle, just south of the SAC building. Members of the University at Erindale and Scarborough Campuses may arrange to meet with the Ombudsman at their respective campuses or at the St. George Campus, whichever is more convenient. Requests for assistance are dealt with as quickly as possible.

For information, advice or assistance, contact the Office of the University Ombudsman, University of Toronto, 16 Hart House Circle, Toronto, Ontario M5S 1A1 (Telephone 978-4874).

XIV Campus Organizations

Responsibility for recognition of organizations where the membership is drawn from a single College, Faculty or School rests with the Council of that division. Where campus-wide organizations (or organizations drawing members from more than one division or constituency of the University) are concerned, responsibility is vested in the Internal Affairs Committee of the Governing Council.

Eligibility for recognition is assessed annually. The constitutions of every society or association, and all subsequent amendments to such constitutions, shall be submitted to the appropriate administrative officer for perusal. The objectives and activities of groups seeking recognition should be seen as attempting to contribute to the educational, recreational, social or cultural values of the University. Membership in groups should be open to all members of the University community without restriction on the grounds of national origin, race, religion, colour, or sex. Status as non-voting members may be extended to interested persons from outside the University.

Enquiries concerning recognition should be directed to: Office of the Vice-President-Internal Affairs, Room 112, Simcoe Hall, University of Toronto (Telephone: 978-4980).

XV Appendix "The Old Rules on Assessment of Academic Status"

New rules on assessment of academic status were introduced as of the beginning of the 1978 Summer Session. In certain cases where a student who began his studies before the 1978 Summer Session would incur suspension or refusal of further registration under the new rules, the "old rules" below will be applied, if that is to the student's advantage. (See V (3) above.)

(1) Academic Probation and Suspension for One Year

A student will be placed on academic probation or suspended for one calendar year according to his academic performance as indicated in the following table:

	Put on Probation if Fewer than		
	(i)	(ii)	
Number of courses attempted	Credits at a grade of C- or higher	Credits at a grade of D- or higher	Suspended for one (1) year if 'E' or 'F' in more than
½-1½	-	-	-
2-2½	-	-	-
3-3½	-	-	-
4-	2	2½	2
4½-5	2½	3½	2
5½-6	3	4½	2
6½-7	3½	5½	2
7½-8	4	6	2½
8½-9	4½	7	2½
9½-10	5	8	2½
10½-11	5½	9	2½
11½-12	6	9½	3
12½-13	6½	10½	3
13½-14	7	11½	3
14½-15	7½	12½	3
15½-16	8	13	3½
16½-17	8½	14	3½
17½-18	9	15	3½
18½-19	9	16	3½
19½-20	10	17	3½
20½-21	11	18	3½
21½-22	12	19	3½
22½-23	13	20	3½
23½-24	-	-	-

A student who is on probation will be warned that he must clear his probationary status on completion of the fourth full course (or equivalent) following the first probation warning. A student who does not clear his probationary status at the end of the session in which he attempts the fourth full course (or equivalent) while on academic probation will be suspended for one calendar year.

Exceptions to this rule are as follows:

(a) no student shall be suspended who has not attempted four full course equivalents since the introduction of this rule at the beginning of the 1977 Summer Session.

(b) in the case where it is impossible to clear his probationary status by achieving the required number of courses at C- or higher, the student must obtain a grade of at least C- in any course attempted starting with the 1977-78 (the first winter since being placed on probation), Winter Session until such time as the probationary status is cleared.

(2) Suspension for Three Years

A student will be suspended from the College for three (3) calendar years if:

(a) the student fails more than four (4) full courses or equivalent;

(b) the student fails to satisfy the requirements for the fifteen course degree in the first nineteen (19) attempts;

(c) the student fails to satisfy the requirements for the twenty course degree in the first twenty four (24) attempts;

(d) after return from a one-year suspension, the student fails more than one full course or equivalent in any session;

(e) after returning from a one-year suspension, the student fails to recover the required number of credits at Grade C- or higher (as given in the above table) by the end of the session, or, in the case where that is impossible, fails to obtain a Grade C- or higher in any course attempted until such time as the requirement has been satisfied.

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

(3) Refusal of Further Registration

A failure in a full course or equivalent after return from a three-year suspension, or failure to obtain the specified level of performance in the first two (2) full courses or equivalent attempted after such a suspension, will result in the refusal of further registration in the College.

(4) Refusal of Further Registration to Special Students

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

Special Summer Programmes

SUMMER ARTS PROGRAMME

The Summer Arts Programme will provide an opportunity for intensive participation in the courses offered during a six week period which begins 3 July and concludes 11 August 1978. These courses may be taken on a credit or non-credit basis.

Prospective applicants are invited to review the detailed information about the courses offered before preparing the application.

Fees

The academic fees for each course are $142.00. For those who wish to live on campus for the six weeks, the residence fee is $150.00 (excluding meals).

A deposit, $50.00, must accompany the Preliminary Application Form (attached), with the balance due on or before 23 June, 1978.

Application Procedures

The Preliminary Application Form on page 31 of this Calendar must be submitted by 1 May 1978 at the latest, accompanied by a fifty dollar ($50.00) deposit.

Upon receipt of the Preliminary Application Form, the College will forward further information concerning admission, registration and credit (as appropriate).

Enrolments are limited in all courses and are filled on a first-come, first-served basis.

In the event of insufficient enrolment however, the College reserves the right to withdraw any course; a decision to do so will be made by mid-June. In such cases, all fees (including deposits) will be refunded.

DRABLOB — The Theory and Practice of Improvisational Theatre: The Commedia dell'Arte.

Course description: The theoretical part of the course will concern itself with the history in improvisational theatre with special emphasis on the Commedia dell'Arte. The practical workshops will result in a production in the dell'Arte style.

Instructor: M. Schonberg, also professional instructors and a guest director

Session: Summer, Day

Content: The course will consist of a theoretical and historical examination of the practices of improvisational theatre with special emphasis given to the Commedia dell' Arte. A detailed study of its background, conventions, characters, and its subsequent incorporation into 'legitimate' theatre, as well as its revival and modern applications will be studied in lectures and seminars. The practical half of the course will be directly related to the theory, and will consist of workshops in movement, mime, make-up, mask making, and preparation of scenarios. The workshops will culminate in a production of a play in the dell' Arte style at the end of the session.

Teaching Method: There will be four 3-hour sessions per week from 6:00 p.m. to 9:00 p.m.

Bibliography: Pierre Duchartre - The Italian Comedy. Other texts will be announced

Evaluation: 1 essay, 1 class test
Participation in workshops and on the production.

FARB76B Intermediate Painting

Prerequisites: FARA70, FARA71, or permission of instructor

Course Description: A course designed to develop competence in contemporary materials with an emphasis on understanding recent attitudes in painting.

Instructor: J. Campbell Session: Summer Day

Objectives: To further explore painting as an expression of idea.

Content: Experimentation with paint, discussions of scale, colour, form and content.

Method: 12 hours per week, three sessions four hours long per week, studio work, lectures and working demonstrations. Critiques held at appropriate intervals throughout the course, both group and individual.

Evaluation: Based on the work attitudes of the student and the actual work done in class.

Limited enrolment: 30

Time-Table: T12-5, WR12-4 p.m.

FARB84B Introduction to Etching

Prerequisites: FARA70, FARA71, FARB72 or permission of instructor

Course description: An introduction to etching and relief printing exploring the use of materials and techniques involved in the process of creative "fine art printing".

Instructor: Otis Kazys Tamasauskas Session: Summer Day

Objectives: To introduce the student to the artistic and technical problems of Itaglio printmaking.

Content: The course will include several lectures and working demonstrations about Itaglio printmaking. The student will be expected to create several prints using Itaglio methods.

Method: Four - 3 hour sessions a week for 6 weeks. Critiques will be at appropriate intervals throughout the course. M9-1, TWR9-12 a.m.

Evaluation: Evaluation will be based on the work attitudes of the atudent and actual work done in the studio.

Additional Comments: The student will be expected to bring to the class a strong creative attitude. Lab. Fee $30.00.

SUMMER ARTS PROGRAMME

PRELIMINARY APPLICATION FORM

(Deadline for this Preliminary Form: 1 May 1978)

PERSONAL INFORMATION

Name: _____, _____
Surname Given Names

Address _____

_____

_____

Second Address (if you will be at another address before 1 July) _____

_____

_____

Date this address becomes effective _____

Date of Birth _____ Occupation _____

Native Language _____

Other Languages _____ ☐ Spoken ☐ Written

_____ ☐ Spoken ☐ Written

Previous courses taken in the discipline you plan to study this summer

Title	Place	Date	Mark

Interests

Hobbies _____

Sports _____

Other _____

PROGRAMME

☐ DRAB10B ☐ FARB76B ☐ FARB84B

TYPE OF APPLICATION

A. Degree Credit Students

☐ 1. I am a Scarborough College student (or I have applied for admission to Scarborough College for 1978-79).
Student Number: _____

☐ 2. I am a student at an Arts and Science College of the University of Toronto other than Scarborough College.
Student Number: _____

☐ 3. I am a University of Toronto student enrolled in a Faculty other than Arts and Science; or I am a student registered in another University (or Ryerson) and I wish to take a summer arts course for degree credit at my Faculty/University.

☐ 4. Other (Please specify) _____

B. Non-Credit Students

☐ 5. I wish to take a summer arts course for interest, but not for degree credit at the University of Toronto or elsewhere.

RESIDENCE

Do you wish to live in a student residence on campus? ☐ Yes ☐ No

FEES

All fees are payable to "The University of Toronto" by means of a certified cheque or money order in Canadian Funds. (Personal cheques will not be accepted. Cash should not be sent through the mail, but will be accepted at the College Fees Office, Room S-407.)

☐ Full programme fee enclosed, $_____

☐ $50.00 deposit enclosed. I shall pay the remaining amount by 23 June, 1978.

DECLARATION

I declare that this Preliminary Application Form is true and complete to the best of my knowledge.

Date _____ Signature _____

Please complete and mail with your deposit to:-

The Registrar,
Scarborough College,
University of Toronto,
West Hill, Ontario.
M1C 1A4.

SUMMER LANGUAGE INSTITUTE

(SLI 78)

The Summer Language Institute at Scarborough College in the University of Toronto will offer in 1978 programmes of intensive language study in French, Italian, Russian and Spanish. Academic credits may be earned in all courses offered.

Information for prospective applicants

Prospective applicants are invited to review the detailed information about the language courses offered (listed below) before preparing the application.

Admission and Placement

To be eligible for registration in SLI 78, applicants must be at least 18 years of age.

Admission to the appropriate Level of study will depend upon prerequisites and/or results achieved in a placement test administered by the Institute.

Programme fees

In the case of Italian and Spanish the fees are $142.00.

In the case of French and Russian, whose programs offer supplementary instruction in an "immersion" setting, the fees are $400.00.

These fees cover tuition expenses only and do not include the cost of prescribed texts and materials, or residence, meals etc.

The fee for residence accommodation (excluding meals) for 6 weeks is $150.00.

A deposit, $50.00, must accompany the Preliminary Application Form (attached), with the balance due on or before 23 June, 1978, (12 May for Italian). Refunds may be made in special circumstances (see below).

Bursaries

Students taking French in SLI 78 may apply for a Summer Language Bursary. To be eligible a student must:

(1) be a Canadian citizen or a landed immigrant;

(2) have achieved Grade 12 standing;

(3) have been enrolled as a full-time student during 1977-78; and

(4) have been admitted by the Summer Language Institute.

It is the responsibility of the student to make all arrangements for application for a Summer Language Bursary; the Bursary application and the Institute application are separate. Students are advised that the number of bursaries is limited and that they are awarded strictly on a first-come, first-served basis. Students should therefore act at once to submit their bursary applications, and not wait for their 1977-78 academic results or their acceptance by the Institute before doing so.

Ontario students may obtain full information and application forms from:

The Student Awards Branch
Ministry of Colleges and Universities
Government of Ontario
8th Floor - Mowat Block
Queen's Park
Toronto, Ontario, M7A 2B4
Telephone (416) 965-5241

Other Canadian students may obtain applications from the office within their own province responsible for the administration of this programme (usually the Ministry of Education).

Successful applicants will receive $850 bursaries, paid directly to the Summer Language Institute on behalf of the student. The bursaries defray the costs of fees, books and instructional materials, residence, meals and most recreational activities. They do not cover transportation costs or pocket money.

The Summer Language Bursary Programme is funded by the Ministry of the Secretary of State of Canada and is administered by the governments of the provinces (the departments of education or other departments responsible for post-secondary education) in conjunction with the Council of Ministers of Education, Canada. The aim of the programme is to provide post-secondary students with the opportunity to learn the other official language and to improve their knowledge of the relevant culture.

Application Procedures

The Preliminary Application Form on page 41 of this Calendar must be submitted by 1 May 1978 (1 April for Italian) at the latest, accompanied by a fifty dollar ($50.00) deposit.

Upon receipt of the Preliminary Application Form, the Institute will forward further information concerning admission, registration and credit (as appropriate).

Enrolments are limited in all programmes and are filled on a first-come, first-served basis. In previous years, particularly in the French programme, places have not been available for all who have applied.

In the event of insufficient enrolment however, the Institute reserves the right to withdraw any programme; a decision to do so will be made by mid June. In such cases, all fees (including deposits) will be refunded.

English as a Second Language/Writing Skills

It is hoped to offer courses in these areas during the Summer of 1978. For further information please telephone or write to: Dean J.R. Warden, Scarborough College, University of Toronto, West Hill, Ontario, M1C 1A4. (416-284-3204)

THE FRENCH PROGRAMME

The French programme offers intensive language study in a "total immersion" situation. Since a number of activities are scheduled for evening as well as daytime hours (and occasionally on weekends), it is strongly recommended that all participants, students and instructors, live on campus in a student residence. The Federal Government requires that all bursary students live in the type of accommodation specified by the programme in which they are enrolled. Students are encouraged to take at least one meal per day with the other members of their group and to use French at all times in the College and in the residences.

The six week programme begins 1 July and concludes 11 August 1978.

Teaching Approach

In the first two levels French will be taught using the innovative approach which has been used at the SLI since its foundation in 1975. This approach has resulted in significant increases in student skills in French. In the past, the programme has been very highly rated by participants.

The aims of the approach are: to accelerate the learning process, to improve short- and long-term memorization, to reduce the fatigue and stress usually associated with language learning, to free students from a number of inhibitions frequent in language study and generally to transform learning into a fulfilling experience. To achieve these objectives, a distinctive classroom environment is provided and a special rapport developed between instructor and students as well as among the students themselves. Techniques which make it possible to activate the subconscious reserves of the mind are also used in order to involve the individual more fully in the learning process. Imagination and creativity also play an important role.

In Level One, for beginners, oral skills (listening and speaking) are emphasized initially, with written skills (reading and writing) being introduced progressively in the latter part of the course. At the second level, all four skills are emphasized, with special attention devoted to effective oral communication.

Participants in these courses are advised that for purposes of research and demonstration (but not for evaluation) certain parts of some class sessions may be recorded on videotape.

Level One

FREA00B Introductory French
FREA04S Elementary Conversation I

Corequisites: Both courses have to be taken concurrently in the Summer Language Institute.

Course descriptions: FREA00B: Intensive laboratory and class-room instruction in written and oral French. This course is designed to enable students to begin or to continue their study of the French language with a view to entering FREA01 in a subsequent year. It is not normally open to students with Grade 13 French.

FREA04S: Intensive practice in the spoken language through controlled situational oral work and discussion groups.

Instructor: T.B.A. Session: Summer Day (Summer Language Institute)

Content and Teaching Approach: The very distinctive approach used to teach the basic three-hour daily class is designed to accelerate the learning process, improve and facilitate short and long-term memorization and free students from the inhibitions frequently associated with language study. Students are expected to acquire mastery of approximately 2000 words and expressions necessary for effective communication in the ordinary circumstances of life along with the basic syntax and grammar of the language.

In order to support these objectives, a number of factors are present: a different class-room environment; a particular type of rapport between the instructor and the students as well as among the students themselves, calling for imagination and creativity; use of techniques which stimulate the activity of certain subconscious and psychological elements involved in the learning process. The approach presupposes that the skills necessary for acquiring mastery of a second language are best developed if based on the foundations of oral speech. Written work is therefore introduced progressively and to the extent that students are ready for it.

FREA04 is designed to reinforce and complement the learning which takes place in A00. A number of diversified recreational, creative and cultural activities are offered among which each student will choose a prescribed minimum number (to make an average of 2 additional hours per day). Participation in these activities is combined with immersion in the French speaking living context provided by the SLI.

Evaluation: Consistent with the essential principles of the teaching approach used, no formal grading takes place during the course. Final grades, based on student progress and performance, are assessed by the instructors at the end of the course. Students should feel free to discuss their progress with their instructor at any point in the course.

Level Two

FREA01B Language Practice
FREA05S Elementary Conversation II

Prerequisite: Grade XIII French or at least 70% in FREA00.
Corequisites: Both courses have to be taken concurrently in the Summer Language Institute.

Course descriptions: FREA01B: This course provides all students with opportunities to improve their language skills, by means of reading and written compositions, oral classes, phonetics and work in the language laboratory. Not open to native speakers of French.

FREA05S: Intensive practice in the spoken language through controlled situational oral work and discussion groups.

Instructor: T.B.A. Session: Summer Day (Summer Language Institute)

Content and Teaching Approach: The very distinctive approach used to teach the basic three-hour daily class is designed to accelerate the learning process, improve and facilitate short- and long-term memorization and free students from the inhibitions frequently associated with language study. Students are expected to acquire approximately two thousand words and expressions beyond the fundamental French vocabulary as well as the structures and syntax necessary for a solid working knowledge of the language.

In order to support these objectives, a number of factors are present: a different classroom environment; a particular type of rapport between the instructor and the students as well as among the students themselves, calling for imagination and creativity; use of techniques which stimulate the activity of certain subconscious and psychological elements involved in the learning process. Prime importance is given to acquiring the skills for effective oral communication. Practice in reading and writing plays an increasingly important role as the course progresses.

FREA05 is designed to reinforce and complement the learning which takes place in A01. A number of diversified recreational, creative and cultural activities are offered among which each student will choose a prescribed minimum number (to make an average of 2 additional hours per day). Participation in these activities is combined with immersion in the French speaking living context provided by the SLI.

Evaluation: Consistent with the essential principles of the teaching approach used, no formal grading takes place during the course. Final grades, based on student progress and performance are assessed by the instructors at the end of the course. Students should feel free to discuss their progress with their instructor at any point in the course.

Level Three

FREB01B Language Practice
FREB04S Intermediate Conversation I

Exclusion: FREB21
Prerequisite: FREA01
Corequisites: In the Summer Language Institute, both courses have to be taken concurrently.

Course descriptions: FREB01B: A continuation of first-year language work, including grammar, composition, oral practice, readings and language laboratory work. Not normally open to native speakers of French.

FREB04F: Intensive practice in the spoken language through controlled situational oral work and discussion groups. Attention will also be given to the comprehension of such major regional variants as the French of Quebec.

Instructor: TBA Session: Summer Day (Summer Language Institute)

Organization: The three-hour daily class focusses attention on specific skills and provides for intensive practice in each. These are reinforced and complemented by participation in a prescribed minimum number of recreational, creative and cultural activities aimed at developing oral mastery while increasing awareness of francophone cultures (required participation is based on an average of two hours per day).

Evaluation by individual instructors: 40%. Final oral exam: 40%.

Level Four

FREC01B Language Practice
FREB05S Intermediate Conversation II

Prerequisite: FREB01 (except for francophone students)
Corequisites: In the Summer Language Institute, C01B must be taken concurrently with B05S.

Course descriptions: FREC01B: This course is a continuation of FREB01 and includes reading, grammar, composition, stylistic exercises, discussion and/or debates.

FREB05S: A continuation of FREB04F.

Instructor: TBA Session: Summer Day (Summer Language Institute)

Content: The intensive oral and written work conducted in FREC01B is reinforced and complemented by participation in a prescribed minimum number of recreational, creative and cultural activities which are scheduled afternoons, evenings and week-ends throughout the session (an average of 2 additional hours per day).

Evaluation: FREC01B: 20% class participation; 40% written and oral assignments; 40% in-course tests, and final written and oral exam.

FREB05F: 20% participation in prescribed activities; 40% evaluation by individual instructors; 40% final oral exam.

ITALIAN

The programme in Italian for 1978 offers intermediate students an opportunity to further develop their oral, reading and writing skills in an "intensive" situation. This course begins 15 May and concludes 18 August. The class meets on Monday and Wednesday evenings from 6:30 p.m. to 9:30 p.m. The course may also be taken on a non-credit basis.

ITAB01B Intermediate Italian
Exclusion: ITAB02
Prerequisite: ITAA01 or ITAA11 or Grade 13 Italian.

Course description: Intensive review of the grammar, with drills, exercises and compositions.

Instructor: Antonio Franceschetti Session: Summer Evening (Summer Language Institute)

Content and Teaching Method: This course will improve the basic knowledge of Italian acquired in previous studies and will allow the student further opportunity to converse in Italian with the goal of increasing fluency in the language. The course concentrates on explaining and practising the more difficult parts of Italian grammar. This will alternate with reading and discussion of modern Italian passages in prose and poetry and various topics of interest to both students and instructor. Emphasis will be placed on aspects of Italian culture and civilization. The student will be asked to prepare written grammar exercises, as well as to write comments on or summaries of the readings discussed in class. The course will be conducted in Italian; there will be two classes per week of three hours each.

Evaluation: Class participation 35%; class work (compositions, written exercises etc.) 30%; control tests 35%.

RUSSIAN

The programme in Russian for 1978 offers beginning and intermediate students opportunities to develop comprehensive language skills in a very intensive immersion situation. The courses offered are taught by native speakers who are experienced in language instruction at the university level. In each case, the courses may be taken for academic credit or on a non-credit basis.

The six week programme begins 1 July and concludes 11 August 1978.

All SLI 78 students participating in the Russian programme are encouraged to live on campus in the student residences set aside for the programme: members of the teaching staff will also be in residence in order to support the sustained, active use of Russian. Formal instruction, beginning in the morning for both levels, will be supplemented later in the day by an informal programme of film, music (classical and folk), cooking.... Furthermore, there will be opportunities for contact with members of the local Russian community.

Level One

This level is designed for students beginning their study of Russian. The class meets daily, Monday to Friday, for six hours of supervised instruction, covering the comprehension and active use of the language. The class will combine extensive practice in spoken Russian with opportunities to develop basic proficiency in reading and writing.

RUSA10B Introductory Russian
RUSA11S Elementary Conversation

Course descriptions: RUSA10B: Fundamentals of Russian grammar, with emphasis on comprehension and reading, writing and conversation.

RUSA11S: Intensive practice in speaking Russian in controlled and free discussion groups.

Instructors: N.Kosachov/S.Whalen Session: Summer Day (Summer Language Institute)

Content and Teaching Approach: Introductory Russian and Elementary Conversation combine 4 hrs. daily of grammar instruction with 1 hr. of laboratory work and 1 hr. of conversation. The 180 hrs. of formal class work over a six-week period are designed to introduce the student to the fundamentals of Russian grammar: declensions, conjugations, aspectual system and word order, emphasizing comprehension and reading, writing and speaking skills. The acquisition of functional passive and active vocabularies through grammar instruction and conversation courses is further intensified by the total six-week immersion in using and speaking Russian and by other related cultural activities.

Evaluation: RUSA10B: Tests, class performance and assigned work considered for grading; one final examination.
RUSA11S: Class performance and one final oral exam.

Level Two

This level is designed for students who have already acquired a basic understanding of Russian; in the case of students registered for credit, they should have Grade XIII Russian or a comparable Introductory Course. An appropriate placement test may be administered by the Institute. The class meets daily, Monday to Friday, for five hours of supervised instruction, which will include grammar and translation study, readings, conversation and laboratory work.

RUSB02B Intermediate Russian
RUSB03S Intermediate Conversation

Prerequisites: Grade XIII or RUSA10Y

Course descriptions: RUSB02B: Expanded study to increase ability in speaking, writing and reading Russian

RUSB03S: Intensive practice in speaking Russian in controlled and free discussion groups.

Instructors: C.V.Ponomareff/S.Whalen Session: Summer Day (Summer Language Institute)

Content and Teaching Approach: Intermediate Russian and Intermediate Conversation combine 3 hrs. daily of grammar instruction with 2 hrs. of conversation. The 150 hrs. of formal class work over a six-week period are designed to increase the student's ability to speak, write and read Russian by expanding the study of important aspects of morphology such as a more systematic study of verbal aspects, and the functions of prepositions and cases. Translation work and composition, selected readings in the original and conversation are further intensified by the total six-week immersion in using and speaking Russian and by other related cultural activities.

Evaluation: RUSB02B: Tests, class performance and assigned work considered for grading; one final examination.
RUSB03S: Class performance and one final oral exam.

SPANISH

The programme in Spanish for 1978 offers intermediate students an opportunity to further develop their oral, reading and writing skills in an "intensive" situation. The six weeks programme begins 3 July and concludes 11 August 1978. The class meets daily, Monday to Friday, from 10:00 a.m. to 1:00 p.m.

SPAB01B Intermediate Spanish

Exclusion: SPAB02
Prerequisite: Grade 13 Spanish or SPAA01

Course description: Review of grammar and syntax: composition, translation and oral practice.

Instructor: J.I. Chicoy-Daban Session: Summer Day (Summer Language Institute)

Content:
1. Review of grammar and syntax. The text used will be Da Silva, A Concept Approach to Spanish, 3rd edition.
2. Composition. There will be two kinds: a) to be written as homework; b) in class (with the help of a dictionary). The topics for both types of compositions will be chosen by the student from among several proposed by the instructor.
3. Translation. There will be: a) translations to be done as homework; b) in class (with the help of a dictionary). Both kinds of translations will be from English into Spanish. The types of texts used for translation will include: a) conversations on matters of daily life; b) historical texts; c) scientific ones; d) literary prose.
4. Oral practice. The students will be asked to act in groups of two or three various dialogues portraying different situations.

Evaluation: The final mark will be comprised of:

1.	4 tests (in class)	40%.
2.	Compositions	20%.
3.	Translations	20%.
4.	Oral practice	20%.

SUMMER LANGUAGE INSTITUTE

(SLI 78)

PRELIMINARY APPLICATION FORM

(Deadline for this Preliminary Form: 1 May 1978)

(1 April 1978 for Italian)

PERSONAL INFORMATION

Name: _____, _____
Surname Given Names

Address _____

_____

_____

Second Address (if you will be at another address before 1 July) _____

_____

_____

Date this address becomes effective _____

Date of Birth _____ Occupation _____

Native Language _____

Other Languages _____ ☐ Spoken ☐ Written

_____ ☐ Spoken ☐ Written

Previous courses taken in the language you plan to study this summer

Title	Place	Date	Mark

Interests (to aid our programme planning)

Hobbies _____

Sports _____

Other _____

PROGRAMME

☐ French ☐ Level 1 ☐ Level 2 ☐ Level 3 ☐ Level 4

☐ Italian

☐ Russian ☐ Level 1 ☐ Level 2 ☐ Spanish

TYPE OF APPLICATION

A. Degree Credit Students

☐ 1. I am a Scarborough College student (or I have applied for admission to Scarborough College for 1978-79).
Student Number: _____

☐ 2. I am a student at an Arts and Science College of the University of Toronto other than Scarborough College.
Student Number: _____

☐ 3. I am a University of Toronto student enrolled in a Faculty other than Arts and Science; or I am a student registered in another University (or Ryerson) and I wish to take a summer language course for degree credit at my Faculty/University

☐ 4. Other (Please specify) _____

B. Non-Credit Students

☐ 5. I wish to take a summer language course for interest, but not for degree credit at the University of Toronto or elsewhere.

RESIDENCE

Do you wish to live in a student residence on campus? ☐ Yes ☐ No

FEES

All fees are payable to "The University of Toronto" by means of a certified cheque or money order in Canadian Funds. (Personal cheques will not be accepted. Cash should not be sent through the mail, but will be accepted at the College Fees Office, Room S-407.)

☐ Full programme fee enclosed, $_____

☐ $50 deposit enclosed. I shall pay the remaining amount by 23 June, 1978 (12 May for Italian).

☐ $50 deposit enclosed. I am applying to take the French Programme, and I have also applied through my provincial government for a summer language bursary.

If I am awarded a bursary, I understand that my $50 deposit will be refunded to me.

If I do not receive a bursary,

☐ I shall pay the balance of the programme fee by 23 June, 1978.

☐ I shall be unable to attend the Summer Language Institute, and ask that (in this event) my application be cancelled. I understand that if I am unable to attend owing to my not receiving a Summer Language Bursary, my $50 deposit will be refunded.

DECLARATION

I declare that this Preliminary Application Form is true and complete to the best of my knowledge.

Date _____ Signature _____

Please complete and mail with your deposit to:-

The Registrar, Scarborough College, University of Toronto, West Hill, Ontario, M1C 1A4.

Course Key

The Course Code.

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

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

Joint Courses. The first letter of the course code of a course offered jointly by two disciplines is "J" followed by the first letter of the two disciplines concerned. For example:

JCEB72S indicates a course offered jointly by Commerce and Economics.

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

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

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

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

Final Letter	Credit Value	Winter Session	Summer Session
Y	Full Course	Sept. - May	May - August
F	Half Course	Sept. - Dec.	May - June
S	Half Course	Jan. - May	July - August
H	Half Course	Sept. - May	May - August
A	Full Course	Sept. - Dec.	May - June
B	Full Course	Jan. - May	July - August

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

Note: Courses marked F/S will usually be offered in either the first or second term and only in some cases in both terms.

(5) Deleted Courses. Course numbers appearing in parentheses, eg (SOSA03), have been offered in the past but have been deleted from the curriculum and will not be offered in the future. However, reference will occasionally be made to these courses as prerequisites, corequisites or exclusions.

Exclusions, Prerequisites and Corequisites.

(1) Exclusions. If a student already has standing in a course which is indicated as an exclusion, the student may not enrol in the course being described.

(2) Prerequisites. A student must have standing in the prerequisite course before he may enrol in the course being described. Prerequisite requirements may, however, be waived by the instructor in the course being described if he feels that there are adequate grounds for so doing. If a students registers in a course without meeting its prerequisite requirements and without obtaining a specific waiver of the prerequisite, the student may be withdrawan from the course at any time during the term.

(3) Corequisite. A student must either already have standing in a corequisite course, or he must enrol in the corequisite course at the same time as he takes the course being described. Instructors are permitted to waive corequisite requirements if they feel that there are adequate grounds for so doing. If a student registers in a course without meeting its corequisite requirements, or if a student withdraws without obtaining specific waiver of the corequisite requirement, the student may be withdrawn from the course at any time during the term.

(4) Exclusions, Prerequisites and Corequisites in Parentheses. Some exclusions and some prerequisite and corequisite courses are enclosed in parentheses. This indicates that the excluded, prerequisite or corequisite course is no longer in the College's curriculum. A student who has standing in an excluded course contained in parentheses may not take the course being described. A student who has completed, in a previous session, a prerequisite or corequisite course contained in parentheses may make use of the course to meet the requirements of the course being described.

Supervised Reading, Supervised Research and Independent Study Courses.

(1) Supervised Reading Courses. Students in reading courses usually work under the direction of a faculty member with whom they meet periodically to discuss their reading, their progress, etc. They may also meet occasionally with other students doing similar reading. Students should consult instructors in the various disciplines for details of requirments in each discipline offering supervised reading courses.

(2) Supervised Research Courses. Students in supervised research courses usually work under the direction of a faculty member with whom they meet periodically or in whose laboratory they work. Students should consult instructors in the various disciplines for details of requirements and arrangements in each discipline offering supervised research courses.

(3) Independent Study Courses. Students in independent study courses usually work under the direction of a faculty member with whom they meet periodically. A topic for independent study is normally chosen after consultation between student and staff members. Students should consult instructors in the various disciplines for details of requirements and arrangements in each discipline offering independent study courses.

Programmes of Study and Course Descriptions

Anthropology

Assistant Chairman: T.B.A.

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

Because of the vastness of its subject matter, Anthropology is traditionally divided into four sub-fields: Social-Cultural Anthropology, Prehistoric Archaeology, Physical Anthropology and Anthropological Linguistics. At the present time, Scarborough College offers courses in the first three only, with occasional offerings in the last. (However, the Humanities Division present several courses in Linguistics).

Students wishing to major in Anthropology are advised to consult with the supervisor of studies, Professor H.B. Schroeder (Room S-311 or H-423). ANTA01Y is normally required of all students entering the programme. A document listing some possible programmes of study in Anthropology is available from the office of the Division of Social Sciences (H-411).

MAJOR PROGRAMME IN ANTHROPOLOGY

Supervisor of Studies: H.B.Schroeder

Students are required to complete not less than ten full course equivalents in Anthropology, and normally* must observe the following requirements within the general programme:

*A first year student with background in Anthropology, or declared major interests and relevant background training may petition the Supervisor of Studies for waiver of ANTA01Y prior to registration in the programme; if permission is granted, that student will be required to take all three of ANTB15Y, ANTB20Y, and ANTB26Y during the four year programme.

ANTA01Y	normally required as a prerequisite to other courses in Anthropology for all majors.
ANTB15Y) ANTB20Y) ANTB26Y)	two of the three courses required to be taken within the four year programme.

One full-course equivalent in supervised reading and/or research courses, from ANTC03, ANTC04, ANTC13, ANTC14.
Any six full-course equivalents at the B or C-levels, from the remainder of the Anthropology curriculum. (While the programme can be completed at Scarborough, students may also wish to investigate the course offerings of the Department of Anthropology, St. George campus.)

Anthropology major programmes can be planned to meet the diverse needs of students wishing emphasis in a chosen sub-field of Anthropology.

ANTA01Y Introduction to Anthropology

Course description: An introduction to the fields of Anthropology through which the student will obtain the anthropological view of the nature and diversity of humans. The first term deals with Physical and Prehistoric Archaeology, concentrating on the biological basis and the evidence for the origins and growth of culture. The second term concerns historic archaeology, the nature of Language and the comparative aspects of Cultural Anthropology, through a study of social groups as well as economic political and religious systems in both non-industrial and industrial societies.

Instructor: T.B.A. Session: Summer Day
Winter Day and
Winter Evening

Content: The course is designed to introduce the student to all members of the Anthropology group, and lectures deal with specialty area topics given by different instructors in the discipline. Emphasis is given to the study of process, and to how cultural and environmental change affect the development of human populations through time and space.

Teaching Method: Three one-hour lectures, and 1 one-hour laboratory tests; 2 written laboratory assignments, and 1 final examination.

Evaluation: Two one-hour lecture examinations, and 2 practical laboratory tests; 2 written laboratory assignments, and 1 final examination.

ANTB01F Cultural Ecology

Prerequisite: ANTA01

Course description: A discussion of the relationships of human populations differing in culture, social organization and technology with their environment in the following sub-areas: systems of food production, patterns of disease, and ecological aspects of warfare and demography. Cases will be drawn largely from non-industrial societies.

Instructor: T.B.A. Session: Winter Day

Content: Cultural ecology is one way of examining and studying a socio-cultural system. The course will consider both the utility of such an approach, and the quality and relevance of the data it generates.

Teaching Method: Two one-hour lectures and 1 one-hour tutorial per week.

Evaluation: Some combination of essays and/or examinations.

ANTB02S Anthropological Study of Religion

Prerequisite: ANTA01

Course Description: A cross-cultural study of systems of belief and ritual concerning spiritual beings and the cosmos; of social actions, rights and obligations arising out of human dependence on such beings and of magic, curing, witchcraft and sorcery.

Instructor: C. Hopen Session: Winter Day

Content: The course is concerned with the anthropological study of supernatural beliefs in small scale non-Western societies. Topics covered (time permitting) will be: the origin and function of religion; symbolism; myth; ritual; shamanism; magic; witchcraft; divination; death ghosts; ancestor cults; and dynamics in religion.

Teaching Method: Seminar; one two-hour session per week.

Evaluation: Some combination of essays and/or examinations.

ANTB03F The Americas: An Anthropological Perspective

Course description: The origin and development of native cultures in the New World, with particular emphasis upon changes due to European contact.

Instructor: R.W. Shirley Session: Winter Day

Content: The emphasis of this course will be two-fold: The first half will be on the development of civilization in the Americas, with emphasis on North America, especially Mexico; the second half will be on modern problems in Latin America, such as race relations, politics, industrialization and urbanization, with emphasis upon Brazil.

Teaching Method: Seminar; one one-hour and one two-hour session, plus one tutorial session per week.

Evaluation: 1 Essay
1 Examination

ANTB05Y Social Anthropological Study of Africa

Prerequisite: ANTA01

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

Instructor: C. Hopen Session: Winter Day

Content: This will be a study of the major institutions of African society, their ecology, economic, religious and domestic organizations.

Teaching Method: Seminar; one two-hour session per week.

Evaluation: Some combination of essays and/or examinations.

ANTB10S Cultural Ecology: A Diachronic Perspective

Prerequisite: ANTA01

Course description: An examination of the cultural ecological approach in Anthropology, as it has been applied to the analysis of adaptation and change in human societies through time.

Instructor: H.B. Schroeder Session: Winter Day

Content: A review of the cultural ecological approach in Anthropology, focusing on the question of how and to what extent an ecological perspective can contribute to the explanation of several critical events in prehistoric human development; the origins of seditism, plant and animal domestication, food production; and the beginnings of complex societies, urban centers, and prehistoric states. The first third of the course will consist of an introduction to ecological anthropology, its theoretical orientation and fundamental concepts. The rest of the course will examine the application of an ecological approach to the analysis of specific problems of culture change.

Teaching Method: 2 hours of lectures per week and one of lab/tutorials.

Evaluation: exam, research paper, several lab exercises.

ANTB13F Background to Modern Archaeology

Prerequisite: ANTB26Y, or Permission of Instructor

Course description: An introduction to the history and theory underlying modern archaeological methods and interpretations--and perhaps some insight into the "Romance of Archaeology"-- through the medium of original literature and site reports. The course reviews major trends in the development or prehistoric archaeology as a scientific discipline in both hemispheres.

Instructor: M.R. Kleindienst Session: Winter Day

Content: Given that Archaeology covers 3 million years and the entire world, general courses give students limited experience with original sources. Since an understanding of the human past may well contribute to a better understanding of present problems, the course aims at giving students some insight into the historical and theoretical developments within the sub-discipline that reconstructs the human past.

Teaching Method: One two-hour lecture session, and 1 one-hour tutorial (discussion) period per week.

Evaluation:

Oral presentations and participation	20%
Research paper	45%
Final examination	35%

ANTB14Y Human Evolution

Prerequisites: ANTA01, ANTB15 or (BIOB14) recommended

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

Instructor: T.B.A. Session: Winter Day

Content: The course involves an analysis of the rise of evolutionary theory through natural selection, the development of genetic theory and the eventual rise of the synthetic theory of evolution. A brief survey of the evolutionary development of vertebrates, a survey of primate fossils and presumed evolutionary directions. Finally the major portion of the course deals with a survey of the discovery of hominid fossils and attempts to synthesize a meaningful interpretation out of what is presently known concerning human origins.

The goals of the course are to introduce evolutionary theory in an historical context, to survey the history of the discovery and interpretation of our ancestors and to attempt to provide a meaningful understanding of the selective pressures which culminated in the phenomenon of modern linguistic, culture-bearing Homo sapiens.

Teaching Method: Lectures with discussion and labs.

Evaluation:

1 mid-term exam
1 paper
1 final exam.

ANTB15Y Introduction to Physical Anthropology

Prerequisites: ANTA01 or ANTB14 or Permission of Instructor

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

Instructor: F.D. Burton Session: Winter Day

Content: Specific topics include: the development of evolutionary theory, the biological basis for human variation, the evolutionary forces, human adaptability, primate biology, social organization and behaviour of non-human primates, taxonomy and classification, paleontological principles and human origins. Lab time is reserved for the qualitative and quantitative assessment of contemporary human variation, human osteology and fossil cast identification.

Teaching Method: Lectures and laboratory work.

Evaluation: 2 one-hour lecture examinations.
2 one-hour examinations based on laboratory material and problem sets on material covered in the laboratory sessions.

ANTB16S The Cultures of Modern Canada

Course description: A consideration of contemporary cultures in Canada and how these have developed during 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.

Instructor: T.B.A. Session: Winter Day

Content: The course includes three major sections: The first will consider the history of Canadian settlement since the early 1900's; the second will relate local cultural groups in contemporary social settings; and the third will show the interrelationships of these groups to the wider contemporary Canadian context.

Teaching Method: One two-hour lecture session and one one-hour tutorial per week.

Evaluation: Some combination of essays and examinations.

ANTB17S Complex Societies

Prerequisite: ANTA01

Course description: The focus of study will be on peasant and agrarian societies, in which special attention will be paid to problems of detribalization, urbanization, and personal adjustment, as well as to adaptation to urban situations and social control. The study will draw upon third world economic and social adjustments to new situations.

Instructor: R.W. Shirley Session: Winter Day

Content: The focus of the course will be upon peasant or agrarian societies.

Teaching Method: Two one-hour lecture sessions, and one one-hour tutorial or discussion session per week.

Evaluation: Some combination of examination and essay.

ANTB18Y Cultural Evolution

Prerequisite: ANTA01 or Permission of Instructor

Course description: This course examines how cultural evolution has been viewed from the nineteenth century to the present and how these views are related to other aspects of anthropology. However, emphasis of this course will be upon the contemporary approach to evolution with cases drawn from ethnological, ethnohistorical and archaeological sources.

Instructors: T.F.S. McFeat (Fall) Session: Winter Day
M.R. Kleindienst (Spring)

Content: Special attention given to the specific mechanisms of change as seen through archaeology and ethnology; the world-sharing or diffusion of cultures; basic inventions, and their consequences; the relationship of evolution to revolution; concepts of levels of integration.

Teaching Method: One lecture session and one tutorial session per week.

Evaluation: Some combination of essays and/or examinations. One research paper per term.

ANTB19S Economic Anthropology

Exclusion: (ANTA02)
Prerequisite: ANTA01

Course description: A consideration of comparative economic systems in ecological and adaptive perspective, and of the nature of methods of production as a developmental process and its relation to total societal frameworks.

Instructor: T.B.A. Session: Winter Day

Content: The course examines cross-cultural systems of production, redistribution, and market exchange; with attention given to the nature and meaning of social usage value, its relationship to the production and use of material objects in differing cultural environments, and to the effects of change on the ideologies surrounding these objects as products of specific environments. The marketplace is used as the focus for studying these features.

Teaching Method: Two one-hour lectures, and 1 one-hour seminar discussion session per week.

Evaluation: Some combination of essays and/or examinations.

ANTB20Y Introduction to Social Organization

Prerequisite: ANTA01

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

Instructor: T.B.A. Session: Winter Evening

Content: This course will show, through comparisons, how kinship systems in small scale societies are used by human groups to organize their living patterns, their demographic space, their economic livelihood, and their political relationships with other groups. It will also deal with specific models of social structures, with how these differ from kinship systems, and with how different models relate to different schools of thought in social anthropology.

Teaching Method: One three-hour session per week.

Evaluation: Some combination of essays and examinations.

ANTB21Y North American Background to Canadian Native Peoples

Prerequisite: ANTA01

Course Description: North American Native Peoples formed a mosaic of connected yet distinct cultures ranging in complexity from Subarctic hunters to Northwest Coast fishermen and Plains warriors; from Puebloan farmers and Iroquoian confederacies to the urban dwellers of ancient Tenochtitlan. Early contacts with Europeans destroyed the urbanites and some hunters while fundamentally altering others. Later contacts witnessed displacements, confinements, the erosion of traditional culture and widespread poverty.

Twentieth century Canada marks the regrowth of native culture with the appearance of new societies on trap lines and reserves, the formation of co-operatives, the acquisition of technical skills, unique art forms and a living literature. The pan-Indian movement, and the emergence of Inuit, Dene, Metis, and other ethnic groups, together disclose both a new identity and a new mosaic.

Instructor: T.F.S. McFeat Session: Winter Day

Content: In the Fall term we will study traditional groupings; in the Spring term we will study transitional and contemporary groupings.

Teaching Method: Lectures, Labs and Display Construction.

Evaluation: Some combination of essays and examinations.

ANTB23Y Comparative Mythology

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

Instructor: T.B.A. Session: Winter Day

Content: The first part of the course will deal with various theories of what is, and what part it plays in society. Examples will be drawn from both classical and non-Western social systems. The issues of the relationship between myth and other literary forms, between myth and thought, and between myth and society will be explored. The second half of the course applies the theoretical material to the study of myth in modern society. It deals with the way modern man validates and explains his society to himself, through ideology as well as myth.

Teaching Method: Two one-hour lecture sessions, and one one-hour tutorial session each week.

Evaluation: Some combination of essays and/or examinations.

ANTB26Y Introduction to Prehistoric Archaeology

Prerequisite: ANTA01

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

Instructor: H.B. Schroeder Session: Winter day

Content: The course is divided into two sections of approximately equal length. The first takes up the development of Western science's interest in human antiquity, the traditional objectives and methodology of prehistoric archaeology, as well as the rapid expansion of both during the past decade of the "new archaeology". The topics covered are the data of prehistoric archaeology (its nature and limitations), its methods of recovery (survey and excavation), and techniques of its analysis. The second half of the course considers the evolution of culture as a series of stages of increasing technological and behavioural complexity: nomadic hunting and gathering, settled village agriculture, and urban civilization.

Teaching Method: 2 hours of lecture and 1 hour of lab/tutorial per week plus one or two field trips (Saturdays) during the fall term.

Evaluation:

two tests - 33%
one major essay/project - 33%
lab exercises - 33%

ANTB27Y Archaeological Methods and Materials

Corequisite: ANTB26Y
Prerequisite: ANTB26Y

Course description: The first half of the course will be an introduction to archaeological excavation and recording of field data. Students will be expected to participate in a field excavation during the week preceding the commencement of classes. Students may be able to camp out during this period, but it may also be possible to commute from the College. The first meeting will be at 9:30 a.m., on the morning of Tuesday, September 5 , in room R-2509. The second half of the course will cover the basic analysis of materials, museum and display techniques, and the contributions of archaeological data to Ontario history and prehistory.

Instructor: M. Latta Session: Winter Day

Content: See course description.

Teaching Method: The excellent text will be supplemented by lectures, slides, films and a great deal of practical experience in dealing with such archaeological problems as excavation, surveying, mapping, preparation of artifacts, and basic sorting.

Evaluation: Major emphasis on projects and reports, as well as on term examinations and lab practicals. Students will be expected to submit detailed reports on all their field and laboratory work.

ANTB28F The Prehistoric Archaeology of Canada

Prerequisite: ANTA01Y

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

Instructor: M. Latta Session: Winter Day

Content: We will examine both the prehistory and the archaeology of each of the major cultural-geographical areas of Canada. We will, however, limit our study to the period before European contact; thus we can appreciate the diversity of the traditional cultures in Canada and the ways in which they were adapted to the many rigorous environments which make up our country.

Teaching Method: Lectures with slides will be supplemented by movies and guest lectures when possible. There will be a field trip to one or more famous prehistoric sites in the southern Ontario region.

Evaluation: The largest part of the mark is based on a comprehensive research paper which is prepared in sections throughout the course. There will also be one or two exams.

ANTB30Y Language and Culture

Prerequisites: none

Course Description: This course provides a background in Anthropological linguistics, emphasizing a basic knowledge of linguistic systems, and the relationships of these systems to other cultural systems.

Instructor: J.J. Chew Session: Winter Day

Content: The course concerns the relationship of linguistic structure and theory to other cultural systems, emphasizing data from non-Indo-European languages. Topics covered include language as the mediator and interpreter of culture, and the relevance of linguistic data to the study of history and prehistory.

Teaching Method: One two-hour lecture session per week.

Evaluation: Some combination of essays and/or examinations.

ANTB31Y Urban Anthropology

Course description: An analysis of comparative urban and rural populations and their environments, with emphasis on practical research and field methods. Limited enrolment: 25.

Instructor: T.B.A. Session: Summer Day

Content: The course is designed for students interested in urban studies. It offers an opportunity to work with research data collected by the student, and to formulate and test hypotheses in the field. The aim is to allow the student to produce an original piece of research that has practical value for future professional careers. Interrelated components include: the development of urban lifestyles and their impact on different cultural groups, and on the historical relationship of rural and urban settings; laboratory experiments designed to assist in preparing methodology for field research; and introduction to various media presentation methods. The second term is devoted to group discussions and interpretations of individual research progress, and to the theoretical applications (use of models) for the urban material collected.

Teaching Method: Two hours per week of lectures and seminar discussion, plus a minimum of one hour per week for field research.

Evaluation: Some combination of essays and/or examinations.

ANTB32S Introduction to Political Anthropology

Prerequisite: ANTA01

Course description: A general survey of the role of political systems in a largely "development" framework.

Instructor: R.W.Shirley Session: Winter Day.

Content: This course will explore legal and governmental institutions, study disputes and dispute settlement in the contexts of simple as well as plural societies. Special interest derives from the study of Latin American institutions.

Teaching Method: Seminar.

Evaluation: Major paper and test.

ANTB36Y Theoretical Frameworks in Physical Anthropology

Prerequisites: ANTB14; ANTB15,(ANTB09 is recommended but not required)

Course description: Important theories and models of hominisation will be examined.

Instructor: T.B.A. Session: Summer Evening

Content: Consideration will be given to theories that emphasize the structural aspects of man's emergence. Demographic and ecological models will also be reviewed. However, it is expected that investigative emphasis will be placed on bio-behavioural models of hominid evolution. Some of the conceptual parameters that may be dealt with are: hominid neural evolution; possible hominid behavioural propensities, such as, aggression, territoriality, and altruism; palaeoecology and the development of diagnostic hominid masticatory and locomotor complexes and; the relative roles of the various evolutionary forces of genetic drift, gene flow, non-random mating and natural selection. The final section of the course will synthesize the above information in an effort to understand hominisation in a broad perspective and to make a rigorous analysis of the controversial works of R. Ardery, D. Morris, K. Lorenz, L. Tiger, E. Morgan etc.

Teaching Method: The lectures in the introductory weeks will be followed by class discussion and student seminars.

Evaluation: A major research project to be presented orally and handed in at the end of term in the form of a written term paper.

ANTB37S Prehistory of Mexico and Mesoamerica

Prerequisite: ANTA01

Course Description: In general, this course aims at an understanding of the development and achievements of the civilizations of Mexico. We will consider two main problems: the beginnings of agriculture and its effects on culture, and the forces which contribute to the emergence or disappearance of civilization.

Instructor: M. Latta Session: Summer Evening

Content: Specific areas to be covered: early populations in Mesoamerica, plant domestication and beginnings of agriculture, the origins of Olmec civilization; the Maya; Teotihuacan; Monte Alban; the Tolteca and Aztecs, and the Spanish conquest.

Teaching Method: Lectures and tutorial discussions related to research papers.

Evaluation:

1 two-hour lecture examination
1 research paper
Participation in tutorial discussions

ANTB39Y Human Diversity

Prerequisite: ANTA01; ANTB15 is recommended

Course description: Special emphasis will be given to the role of culture in shaping human biological make-up. This course examines the nature and scope of biological variation in contemporary human populations, and the evolutionary forces responsible.

Instructor: L. Sawchuk Session: Winter Day

Content: The course begins with an examination of the biological basis for human variation at the molecular, familial and populational levels. A survey of contemporary human variation includes traits of simple and complex inheritance and methods of assessing the range of human biological diversity. Emphasis is given to the interaction between biology, culture and genetics. Laboratory sessions will deal with problems in Mendelian and population genetics, as well as practical experience in blood typing, electrophoresis, dermatoglyphics, anthropometry and anthroposcopy.

Teaching Method: Lecture with discussion and labs.

Evaluation: The final grade will be assessed on the basis of two tests (50%)and laboratory exercises (50%).

ANTB41S Pre-Industrial Technology

Prerequisite: ANTA01

Course description: A survey of the diverse techniques that create the objects of human "material culture", with emphasis upon those of importance in the archaeological record: and a review of the implications of design process and technology for the production of the "extra-somatic adaptive mechanisms" in pre-industrial societies.

Instructor: M.R. Kleindienst Session: Winter Day

Content: Continuing human existence is predicated upon the objects which form the "interface" between the human organism and the external environment. This course emphasizes process rather than product, and begins with the view that material objects manufactured or utilized by humans for given ends (actual, or psychological) are an implementation of the systemic framework which always includes: 1) Resources; 2) Information, or knowledge; and 3) Values. The course will roughly follow the known historical development of the uses of techniques for stone, bone, and wood, to pottery and metals, employing ethnographic examples, and experimental evidence where relevant; it is an introduction to Archaeology as the Anthropological study of technology.

Teaching Method: One two-hour session per week involving lectures and discussions, and 1 one-hour tutorial per week.

Evaluation:

Major research paper	50%
Oral presentation	15%
Final examination	35%

ANTB43S Quantitative Methods in Anthropology

Exclusions: (ECOA02), ECOB11; PSYB07
Prerequisites: ANTA01; ANTB15 and ANTB26 are recommended

Course description: A consideration of quantitative data and analytical goals, especially in archaeology and physical anthropology. Some elementary computer programming, and a review of program packages suitable for anthropological analyses will be included.

Instructor: L. Sawchuk Session: Winter Day

Content: Specific topics include: descriptive statistics, elementary probability, hypothesis testing and decision making, parametric and non-parametric test statistics, regression and correlation analysis and an introduction to the analysis of variance. Laboratory sessions are designed to give the student practical statistical experience with a wide variety of anthropological problems.

Teaching Method: Lectures and laboratory work.

Evaluation:

5 laboratory exercises and one Final exam.

ANTB44Y Physiological Anthropology

Prerequisites: ANTA01 or BIOA03

Course description: This course is designed to give the student an understanding of physiology in its ecological setting, i.e. physiological Anthropology. It emphasizes physiological principles and systems, ecological principles and systems and the interrelationship of these two areas. An anthropological approach to physiology involves considerable attention to evolutionary schemes and comparative physiology. The student will become aware of the study of populational physiology as well as the physiology of individuals. Discussion periods will supplement the formal presentation of material.

Instructor: T.B.A. Session: Winter Evening

Content: Specific topics include: introduction to basic physiology, physiological systems (reproduction, vision, etc.), physiological systems in adaptation (cold, heat, altitude adaptations, etc.), ecological concepts and analysis (food chains, trophic levels, etc.).

Teaching Method: Lectures, seminars and discussion periods.

Evaluation:

1 two-hour Christmas examination
1 two-hour final examination
1 research project.

ANTB46F Enculturation and Childhood

Prerequisite: ANTA01 or Permission of Instructor

Course description: Each human group handles the maturation process in terms of their unique cultural adaptation--a process termed "enculturation". This course reviews the biological process, and analyzes enculturation in non-human primates, and across cultures.

Instructor: F.D. Burton Session: Winter Day

Content: The theme of the course is an analysis of the child as person, and property, and as genetic and cultural investment across the Order Primates. Specific topics include: non-human primate socialization; human cultural attitudes towards children; function and value; ceremonies and institutions; ecological constraints and considerations; the use and abuse of children.

Teaching Method: Lectures and discussion; seminars. One two-hour session, and 1 one-hour session per week.

Evaluation: Two tests; 1 group presentation; 1 research paper.

ANTB47F Human Osteology

Prerequisites: ANTA01 or BIOA03 ; ANTB14 or ANTB15

Course description: The course emphasized structure and function in the human skeleton. The histology, and the ontogenetic as well as the phylogenetic development of skeletal elements is treated holistically. Palaeopathology and forensic aspects are also considered.

Instructor: T.B.A. Session: Winter Day

Content: The course is oriented around practical procedures and laboratory sessions, and is designed to acquaint students with the systematic and functional aspects of morphological structure. It will deal with plylogenetic and developmental aspects of the Primate dentition. Lectures will emphasize theoretical issues, while laboratories will stress practical aspects.

Teaching Method: One one-hour lecture session, and one two-hour laboratory session per week.

Evaluation: Series of tests plus a final examination.

ANTB48S Human Odontology

Prerequisites: ANTA01 or BIOA03; ANTB14 or ANTB15

Course description: The analysis of primate dentitions is approached from a phylogenetic and ontogenetic perspective. The evolution of dental structures among the vertebrates is stressed, with special emphasis upon the functional aspects of mammalian molars. The significance of teeth in primate and human paleontology, as well as dental histology are also treated.

Instructor: T.B.A. Session: Winter Day

Content: The course is oriented around practical procedures and laboratory sessions, and is designed to acquaint students with the systematic and functional aspects of morphological structure. It will deal with plylogenetic and developmental aspects of the Primate dentition. Lectures will emphasize theoretical issues, while laboratories will stress practical aspects.

Teaching Method: One one-hour lecture session, and one two-hour laboratory session per week.

Evaluation: Series of tests, plus a final examination.

ANTC02F Systems of Thought

Prerequisite: At least "B" level course in social anthropology

Course description: The course deals with methods for describing and analyzing the systems of thought of non-Western peoples. Specific systems will be analyzed, and certain theoretical models for their description will be investigated.

Instructor: T.B.A. Session: Winter Day

Content: All students will be asked to familiarize themselves with one or two non-Western systems of thought, and to be prepared to discuss them in detail. Specific theoretical issues include the rationality of such systems, their construction and maintenance, and their relation to social process.

Teaching Method: One two-hour seminar discussion session per week.

Evaluation: Some combination of essays and/or examinations.

ANTCO3F and CO4S Directed Reading in Anthropology

Prerequisite: Permission of Instructor.

Instructor: Members of the Faculty Session: Winter Day

Content: A directed exploration of specific topics in Anthropology, based on extensive investigation of the literature.

Teaching Method: Individual tutorials, as arranged.

Evaluation: Some combination of essays and/or oral presentations and/or examinations, as arranged.

ANTC09Y The Anthropology of Humour

Prerequisites: Any two courses ANTB02; ANTB20; ANTB22; ANTB24

Course Description: It is postulated that among other things, the cross-cultural study of humour should lead to a deeper understanding of core values and personality in specific societies. Limited enrolment: 15.

Instructor: C. Hopen Session: Winter Day

Content: The course aims at investigating a general theory of humour, a classification of humour, and the search for universals. Collected data should yield information on comparative value systems. While examples and illustrations may be drawn from the Western World, most of the research will be concentrated on the "Third" World. Data are scattered, but information will be sought in fiction, fables, myths, plays and other sources. Students are expected to become familiar with literature from unfamiliar areas.

Teaching Method: Seminar; one two-hour session per week.

Evaluation: Some combination of essays and/or examinations.

ANTC11Y Women in Evolution

Prerequisite: One B-level course

Course description: In the aftermath of International Women's Year, many scientists are re-examining traditional views of the origins and development of human culture. The first half of this course will outline possible circumstances, events and processes which have influenced the roles of women in society today. During the second portion of the course, students will explore aspects of this subject in detail, and present their findings to the group in an informal seminar.

Instructor: T.B.A. Session: Winter Day

Content: The course aims at a broader understanding of the place of women in diverse societies, and of how these situations may have come about. It will consider female roles (and therefore, also, male roles) among non-human primates, the evidence from prehistoric hominid populations, and gender roles in a number of modern human cultures. This information, together with physical and psychological data on "femaleness" will be used to consider a number of concepts such as sex role determinism, dominance, and status.

Teaching Method: One two-hour lecture and discussion section per week.

Evaluation: Some combination of essays, oral presentations, and examinations.

ANTC12F Research on the Social Behaviour of Non-Human Primates

Prerequisite: ANTB22 or permission of instructor

Course description: The purpose of this course is to observe, record and process data of the social behaviour of non-human primates. This field experience concentrates on methods of gathering data under naturalistic conditions. The work is done either on captive animals in semi-naturalistic enclosures, or on free ranging animals abroad. An intensive course, the student is asked to commit a minimum of five hours per day when the course is held at the zoo, and dawn to dusk on free-ranging animals abroad. Limited enrolment by permission of the instructor (when abroad) or 30 (at zoo, June 1-30, 10:00 a.m.-4:00 p.m. 5 days per week). **

Instructor: F.D. Burton Session: Summer Day

Content: Problems of undertaking field work: the research problem; appropriate techniques; the site; getting there; maintenance and support in the field; data analysis. Experience is gained with different objective methods (e.g. scan sampling; focal animal; Hansen checklist; multipurpose and specific activity records) as well as with subjective methods such as opportunistic and diary format.

Teaching Method: group discussion; individual practice

Evaluation: Based on:
1. field exercises
2. data
3. group presentation
4. observation of student in field

** First meeting June 1, in Room H-424 at 10:00 a.m.

ANTC13F and C14S Advanced Research in Anthropology

Prerequisite: Permission of Instructor.

Instructor: Members of the Faculty Session: Winter Day

Content: Directed critical examination of specific problems in Anthropology, based on library and/or field research.

Teaching Method: Individual tutorials, as arranged.

Evaluation: Some combination of essays and/or oral presentations and/or examinations, as arranged.

Courses Not Offered 1978-79

ANTB07F/S Comparative Slavery
Prerequisite: ANTA01

ANTB08F/S Anthropology of Development

ANTB09Y History of Ethnological Theory

ANTB11F/S Pleistocene People: The Archaeology of Hunter-Gatherers
Prerequisite: ANTA01; ANTB26 is recommended

ANTB12F/S Prehistory of the Holocene
Prerequisite: ANTA01; ANTB26 is recommended

ANTB19F/S Introduction to Economic Anthropology
Exclusion: (ANTA03)
Prerequisite: ANTA01

ANTB22Y Primate Studies
Prerequisite: ANTA01 or PSYA01 or BIOA03

ANTB24Y Comparative Study of Group Cultures
Prerequisite: ANTA01 or SOCA01

ANTB29Y Analysis of Archaeological Materials: Lithics and Ceramics
Prerequisite: ANTB26 or ANTB27

ANTB33F/S Primate Anatomy
Prerequisite: ANTB15; ANTB14 and ANTB22 are recommended but not required

ANTB38F/S Prehistory of North America North of Mexico
Prerequisite: ANTA01

ANTB40Y Primate Population Structure
Prerequisite: ANTB15 is recommended

ANTB45Y Ecology of Anthropological Populations
Prerequisite: ANTA01

ANTC07F/S The Social Anthropology of Pastoral Nomadic Societies
Prerequisite: One B-level course in Anthropology

ANTC08S Problems in Archaeological Analysis, Method and Theory
Prerequisite: ANTB26

Astronomy

Discipline Representative: R. Roeder

Astronomy is at the same time one of the oldest and most dynamic areas of Science. It is basically man's attempt to gain an understanding of his place in the sidereal universe, ranging from the planetary system in which he lives to the most distant galaxies and quasars which can be seen only as they were before men walked this earth. Within the past ten years have come astronomical observations which suggest the explosive "Big Bang" origin of the entire universe and the presence of hitherto unsuspected complex molecules in the interstellar medium of our galaxy. The implications of these and other astronomical discoveries for man and his world are profound.

The full range of astronomical topics is covered at an introductory level in ASTA02 (for science students) and ASTA03 (for non-science students) while selected astrophysical topics are dealt with at a more advanced level in ASTB01 and ASTC01. JPAC10 presents the general theory of relativity and some of its applications in astrophysics and cosmology.

ASTA02Y Astronomy: Exploring the Universe

Exclusion: ASTA03

Prerequisites: Grade 13 Physics, Grade 13 Functions and Relations.

Course Description: In this modern look at the universe an appreciation of the techniques and implications of astronomical observations is developed through an application of familiar physical concepts to the astronomical setting. The material discussed covers observations in the entire electromagnetic spectrum, from X-rays to the radio band. It ranges from the relatively nearby solar system to the distant reaches of quasars; from the wasteland of interstellar space to the nuclear inferno deep in a stellar interior; from the quiet life of a star like the sun to its often cataclysmic demise; from the tranquillity of an interstellar dust cloud to the frenzied environs of a pulsar, an X-ray source or a black hole. Completion of this course should better equip one to assess the importance of forthcoming developments to the advancement of knowledge of the universe and to contemplate such questions as life on other worlds. Instruction in the use of the telescopes, cameras and darkroom equipment is provided for all interested students, whether their ultimate purpose is carrying out a term project or merely extracurricular star-gazing.

Instructor: C.C. Dyer Session: Winter Day

Teaching Method: 2 hours lectures and 1 hour tutorial/laboratory. Practical observations are introduced in the laboratory and on scheduled evenings in the fall. Visits to the David Dunlap Observatory and the McLaughlin Planetarium are also arranged.
Evaluation: Term work (problem assignments, laboratory exercises, a term project) - 40%; two 50-minute term tests - 26%; final examination - 34%.

ASTA03Y A Survey of Astronomy, its Recent Development and Significance

Exclusion:

Course description: Astronomy AO3 is a basic science course for non-science students, which surveys all aspects of the extra-terrestrial universe. Theories of the evolution of the solar system, stars, and the universe are presented. Recent evidence for the possibility of life on other worlds is reviewed and explained; the nature of stars and black holes, galaxies, clusters of galaxies and quasars is discussed, and consideration is given to theories of cosmology and of the origin of the universe.

It is shown how mankind's changing understanding of the wider universe around him is interwoven with the history of science and natural philosophy. With this background, and a description of what has recently been learnt about the universe, the impact and long-term significance of mankind's expansion into space are discussed.

In addition to lectures, there is a 1-hour tutorial per week. This is supplemented by a planetarium demonstration, and a visit to the David Dunlap Observatory. Using the College's telescopes, students also have an opportunity to observe the night sky, and to take their own photographs of celestial objects if they wish.

Instructor: P. P. Kronberg Session: Winter Day

Content:Astronomy AO3Y will contain a description of all aspects of the extra-terrestrial universe and the methods used, past and present, to explore it. The first portion of the course will emphasize the historical context in which our knowledge of the universe has developed, and the latter part of the course deals with present and future investigations of the universe, some of its possible economic and even "philosophical" implications. At the end of the course time will be devoted to exploring the various interrelations between current technology and both space and ground based experiments.

Teaching Method: 2 lectures, 1 tutorial per week, and an essay.

Evaluation: 50% exam & term tests; 50% essay & tutorial exercises.

ASTB01Y Topics in Astrophysics: Origin and Evolution

Prerequisites: PHYA01 or PHYA02; MATA26 or MATA55

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

Instructor: R.C. Roeder Session: Winter Day

Content: The course is devoted to presenting the theories and observational evidence relating to the origin and evolution of astronomical objects and the development of intelligent life in the universe. The course consists of five topics, viz.: The Origin and Evolution of (a) Stars, (b) The Solar System, (c) The Universe, (d) Galaxies, (e) Life in the Galaxy. Students are given a comprehensive introduction, using the elementary mathematics and physics, to the first four topics above. Recent developments in these areas are noted and results of numerical computations are presented. On the basis of knowledge thus gained the possibility of extrasolar planetary systems is discussed and the question of the origin of life is considered in the context of recent discoveries of complex molecules in the interstellar medium.

Teaching Method: Two lectures and one tutorial hour per week.

Evaluation: Biweekly assignments 35% First term test 15%
Second term paper 15% Final exam 35%

ASTC01H Research Topics in Astronomy

Prerequisites: ASTA02Y or ASTB01; PHYB01; permission of instructor

Course Description: Application of individual effort to reading and research on a topic of current interest.

Instructors: P. Kronberg, R. Roeder & 1 other Session: Winter Day

Content & Teaching Method: ASTC01H is an 'all year' half-course in which the student will do research on some topic of current interest in astrophysics and write a report ("mini-thesis") on his work. The student is expected to gain an appreciation of the current state of knowledge about a particular topic of astrophysical interest and to become familiar with the basic methods of research. The topic will be selected by one of the instructors in consultation with the student. Formal lectures are replaced by regular consultation between the student and instructor. It is expected that at least 80 hours of work will be done during the year, following which the mini-thesis will be submitted to the instructor. For more detailed information see Dr. Kronberg, Dr. Martin or Dr. Roeder.

Bibliography: Dependent upon topic selected.

Evaluation: 75% on thesis
25% on discussion and oral summary

Biological Sciences

From its early beginnings as a descriptive science, biology has developed, particularly in the last few decades, into a sophisticated experimental science employing other basic sciences such as Chemistry, Physics and Mathematics. Modern Biology includes the study of structure and function of all living organisms, including man. Within biology various core areas may be distinguished: morphology and structure (anatomy), taxonomy, physiology, biochemistry, genetics and evolution, ecology. In addition to their fundamental significance, certain of these areas are central to understanding and solving many problems currently confronting mankind.

Students interested in Biology and planning to enter teaching or research professions should consider following the Major Programme in Biology. In addition to covering core areas of Biology, this programme includes essential courses in other disciplines, while leaving sufficient scope for specialization within certain areas of Biology.

For those students who do not have a clear career goal, a guide to recommended course patterns in Biology and related subjects is contained in a brochure (Biology at Scarborough) which is available in Academic Services and from the Chairman, Life Sciences Division.

Staff members should be consulted if you have questions about your programme in Biology.

The following course is normally taken in the first year of study:

BIOA03Y Introductory Biology

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

BIOB02Y Basic Microbiology
BIOB05Y Genetics
BIOB06Y Plant Physiology
BIOB08Y Invertebrate Zoology
BIOB12Y Fundamentals of Ecology
BIOB13Y Plant Structure and Development
BIOB17Y General and Comparative Physiology
BIOB22Y Comparative Vertebrate Morphogenesis
BIOB23Y Developmental Biology
BIOB24Y Plant Kingdom
BIOB27Y Comparative Vertebrate Histology
BIOB39B Biogeography
BIOB43Y General Vertebrate Biology

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

BIOB11Y Animal Populations and Evolution
BIOB15Y Aquatic Systems
BIOB19S Biology of Macromolecules
BIOB20F Cell Ultrastructure
BIOB31F Insect Structure and Function
JBCB35Y Introductory Biochemistry
JBCB36H Laboratory in Biochemistry
BIOB41Y Physiology of Microorganisms
BIOB47Y Plant Ecology

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

Students interested in Biology, but not intending to take other biology courses should refer to:

NSCA02Y Introduction to Natural Science: The Biological Sciences
NSCB02Y Quaternary Environments and Man.

MAJOR PROGRAMME IN BIOLOGY

Supervisor of Studies: T.B.A.

This programme must include the following courses:

(1) BIOA03Y

(2) At least one full course or equivalent from each of the following core areas:

(a) Genetics and Evolution: BIOB05Y, BIOB11Y, BIOB23Y

(b) Physiology and Biochemistry: BIOB02Y, (BIOB03S). BIOB06Y. BIOB17Y, (BIOB18F), BIOB19S. BIOB31F, JBCB35Y, JBCB36H, BIOB41Y, BIOC12H

(c) Ecology and Environmental Studies: BIOB12Y, BIOB15Y, (BIOB33F) (BIOB34S), BIOB39B, BIO43Y, BIOB47Y, BIOC09F, BIOC11Y

(d) Experimental Morphology, Structure and Taxonomy: BIOB08Y, BIOB13Y, BIOB20F, BIOB22Y, BIOB24Y, BIOB27Y, (BIOB38F), (BIOB44S)

(3) One full course equivalent at the 'C' level.

(4) Four other Biology courses, unspecified. Of the total of ten Biology courses required for a Biology Major Programme, at least one must be a Plant Science Course: BIOB06Y, BIOB13Y, BIOB24Y, BIOB47Y, BIOC11Y, BIOC12H.

(5) Required courses in other Disciplines: CHMA01Y or CHMA02Y, PHYA01Y or PHYA02Y, and MATA22Y, MATA26Y or MATA55Y or MATAB52F and MATB57S or a statistics full course in another discipline.

(6) One full course or equivalent from the following: ANTB11S, ANTB12S, ANTB18F, ANTB20Y, ANTB22Y, ANTB26Y, ANTC06S, HISC13F, PHLB05F, PHLB70F, PHLV87F, SOCB05Y, SOCB19Y, SOCB23Y, SOCC15F.
(When planning their course patterns students should take into consideration that some of the courses have a prerequisite, generally of an A-level course in the same discipline).

BIOA03Y Introductory Biology

Course description: This course is designed for students who intend to pursue further courses in Biology or other Natural Sciences. It offers a thorough consideration of basic biological concepts as they pertain to both plants and animals. Lectures will emphasize the energetics of living systems, the transmission and functions of genes, integrative functions and the origin and evolution of life. Laboratory and discussion periods will supplement the lecture material.

Instructor: The Faculty Session: Winter Day,

Content: Specific topics include: the chemical constituents of cells, cell structure and function, inheritance, the structure and function of genes, early developmental processes, mechanisms of development, the genetic control of development, enzymes and their functions, cellular metabolism, photosynthesis, molecular basis of muscle contraction, basic ecology, the nerve impulse, function of the nervous system, evolution.

Teaching Method: Lectures and laboratory work.

Evaluation:

3 one-hour lecture examinations.
2 one-hour examinations based on laboratory material.
1 Practical laboratory test.
1 Final examination.

BIOB02Y Basic Microbiology

Prerequisite: BIOA03

Course Description: The general properties of bacteria, fungi and viruses, their structure, function and relationship to man, employing selected organisms to demonstrate their significance in industry, research and the health sciences. The latter part of the course presents a survey of bacterial and animal viruses, and aspects of pathogenicity and immunity. Laboratories include practical training in basic microbiological techniques.

Instructor: J. Silver Session: Winter Day

Objectives: To gain awareness of the world of microorganisms, their physiology, genetics, structure, and importance in medicine, industry and ecology. To obtain proficiency in the handling and growing of microorganisms in the laboratory. To introduce microbiological techniques used in industrial, hospital and basic research laboratories.

Teaching Method: One (two-hour) lecture and three hours of laboratory each week.

Evaluation: Lecture - 60%
Laboratory - 40%

BIOB05Y Genetics

Prerequisite: BIOA03

Course Description: A lecture and laboratory course in cytogenetics, with examples chosen from work on bacteria, fungi, Drosophila and vertebrates, including man.

Instructor: M. F. Filosa Session: Winter Day

Content: Mendel's principles, linkage, mapping, assignment of genes to chromosomes, structure of gene, genetic control of protein synthesis, regulation of gene activity, chromosome structure, mutation, cytoplasmic inheritance.

Teaching Method: Lectures, laboratory work, problems, discussion.

Evaluation: 4 hours of exams based on lecture and laboratory work, laboratory reports - approximately 70%, final exam - approximately 30%.

BIOB06Y Plant Physiology

Prerequisite: BIOA03

Course description: A basic lecture and laboratory course on the general physiology of plants.

Instructor: T.B.A. Session: Winter Day

Content: The green plant as a functional organism:- Water and salt uptake and translocation, water loss; mineral nutrition, carbohydrate, protein and lipid metabolism. Enzymology. Photosynthesis and respiration. Growth and development of plants. The objective of this course is to introduce the student to the science of plant physiology, and to provide a training in laboratory techniques and the presentation of scientific data in this field.

Teaching Method: Lectures and laboratory work.

Evaluation: Laboratory exercises
3 one-hour tests based on lecture material
3 one-hour tests based on laboratory material
1 three-hour examination.

BIOB08Y Invertebrate Zoology

Prerequisite: BIOA03

Course description: General survey of the invertebrate phyla with emphasis on those species of numerical, economic and medical importance.

Instructor: D. D. Williams Session: Winter Day

Content: The first term will deal with the non-arthropod phyla (i.e., Protozoa - Urochordata) and will involve classification and study of diversity within groups, with an emphasis on functional morphology. The second term will be devoted to the Arthropoda and the approach will be somewhat ecological. Living specimens will form an important part of laboratory content.

Teaching Method: Two one-hour lectures and 3 hours of laboratory per week.

Evaluation:

Written exam at end of first term	15%
Practical exam at end of first term	20%
Final written exam	30%
Final practical exam	15%
1 essay	10%
Laboratory report	10%

BIOB11Y Animal Population and Evolution

Prerequisite: BIOB05Y
Corequisite: BIOA03

Course description: A study of the process of heritable changes in animal populations with special regard to population genetics, population dynamics and species diversity.

Instructor: I. Campbell Session: Winter Day

Content: The lectures deal with genetic variation and its source, natural selection, genetic drift, and modes of speciation. The laboratories consist of problems in population genetics and the discussion of current literature on evolutionary and population topics.

Evaluation: 4 tests, 16 problem sets and 1 major essay.

BIOB12Y Fundamentals of Ecology

Prerequisite: BIOA03

Course description: The course will deal with the scientific study of the interactions that determine the distribution and abundance of organisms. It will hopefully promote the development of an "ecological conscience" but will not be a course devoted to the problems of pollution and populations.

Instructor: R. Boonstra Session: Winter Day

Content: Factors limiting the distribution of organisms such as adaptation, behavior, and dispersal; attributes of populations: population estimation, life table analysis, estimation of the innate capacity for increase, and population growth; species interactions: competition and predation; theories of population regulation; ecological genetics and evolution; attributes of communities: concept of the community, species diversity, community patterns and classification, succession and climax; concept of the ecosystem; biomes of the world; community energetics; community nutrition; other topics of general ecological interest including the human population problem, island biogeography, and systems analysis.

Teaching Method: Lectures, tutorials, and some field work.

Bibliography: Krebs, C. J. - Ecology.

Evaluation: Term tests, final examinations, 2 term papers, tutorial exercises, field trip reports.

BIOB15Y Aquatic Systems

Prerequisite: BIOA03; BIO B12

Course description: A lecture seminar course with optional field work, on the ecology of ponds, lakes and rivers, with special reference to energy transfer in these ecosystems.

Instructors: C. Nalewajko (Sparling); D. D. Williams. Session: Winter Day

Content: Geological background: origin of lakes. Energy balance: light and heat. Properties of water. Circulation and wave motion. Material cycling. Chemistry of fresh and salt water. Nutrient cycling Primary production. Phytoplankton population dynamics; seasonal succession. Evolution of lakes. Natural and cultural (man-made) eutrophication. Secondary production. Lake and stream faunas. Effects of pollution. Man's effects on water bodies. Fisheries and applied topics.

Teaching Method: Two hours of lectures per week. Informal tutorials, seminars by visiting scientists, and field/lab work amount to about 2 hours per week. In addition, students are expected to write 2 major essays on assigned topics.

Bibliography: Limnology - Wetzel, R.G.; Ecology of Running Waters - Hynes, H.B.N.

Evaluation: 2 tests - 50%; Essays and reports of field/laboratory work - 50%.

Objectives: To become familiar with physical, chemical and biological characteristics of aquatic systems.

BIOB17Y General and Comparative Physiology

Prerequisite: BIOA03

Course description: The function of cells and of the organ systems which have evolved to control the environment of the individual cell within the organism. Topics include: (1) Body fluids and circulation. (2) Ionic and osmotic balance. (3) Excretion. (4) Gas exchange. (5) Nerve and muscle physiology.

Instructor: C. K. Govind Session: Winter Day

Content: Topics include: 1st term; nutrition, gas exchange, gas transport, heart and circulation, excretion, osmoregulation. 2nd term;nerves and bioelectricity, synapses and integration, muscle and neuromuscular systems, sense receptors and C.N.S., hormones.

Teaching Method: Lectures and laboratory work.

Evaluation: Term tests, laboratory reports, final examinations.

BIOB19S Biology of Macromolecules

Prerequisite: BIOA03

Course description: The basic concepts of the molecular biology of the gene - key experimental observations. Main topics will be mechanisms of gene replication and regulation of gene activity in higher and lower organisms. Students will receive laboratory experience in the use of a range of molecular biology techniques.

Instructor: I. Brown Session: Winter Day

Content: This course is divided in two sections. The first deals with the structure and replication of DNA. The second concentrates on RNA and protein synthesis. Laboratory exercises include (1) Purification of DNA and RNA; (2) Isolation of DNA polymerase; (3) DNA reassociation kinetics; (4) Purification and gel electrophoresis of chromosomal proteins. The course is suitable for third and fourth year students.

Teaching Method: Lectures and laboratory work.

Evaluation: 2 lecture tests, 2 lab tests, lab reports.

BIOB20F Cell Ultrastructure

Prerequisites: (BIOB16) or BIOB13 or BIOB24 or BIOB27

Course description: Current concepts in animal and plant cell ultrastructure. Lectures deal with the structure, development and function of fine structural components of cells. Laboratory work focuses on the interpretation of these components as they appear in electron micrographs.

Instructors: R. Dengler/J. Youson Session: Winter Day

Content: Topics include, (1) methods used in the biological application of electron microscopy; (2) cell membranes and cell surfaces; and (3) cell organelles, e.g., endoplasmic reticulum, mitochondria, plastids, etc.

Teaching Method: Lectures and laboratories.

Evaluation: 2 laboratory examinations
1 term paper
1 lecture examination.

BIOB22Y Comparative Vertebrate Morphogenesis

Prerequisite: BIOA03

Course description: A lecture and laboratory course dealing with the structural diversity of the vertebrates. Emphasis is placed on the evolution, development and anatomical specializations of organ systems as they are related to the physical demands placed upon the organism by its environment.

Instructors: A. Weatherley, R. Webb and J. H. Youson Session: Winter Day

Content: Beginning with the primitive vertebrate ancestors, this course considers the comparative anatomy of the vertebrates from both evolutionary and embryological viewpoints. Evolutionary trends which have led to the anatomical and physiological diversity of the modern vertebrates, are examined. Practical work includes the dissection of representative vertebrates.

Teaching Method: Lectures and laboratories

Evaluation: Examinations on lectures (50%) and laboratory (50%) materials.

BIOB23Y Developmental Biology

Prerequisite: BIOA03Y

Course description: The study of morphological change and underlying molecular and cellular processes which occur during the life history of an organism. An analysis of development in a wide variety of organisms ranging from the unicellular to the multicellular. Particular reference will be given to the concept that regulation of gene activity is fundamental to development. Limited enrolment: 100

Instructors: I. Brown and R. Dengler Session: Winter Day

Content: In the fall term and the first half of the spring term I. Brown deals with the principles of animal development. The following model systems are employed - erythropoiesis, lens development, spermatogenesis, myogenesis, frog metamorphosis and carcinogenesis. In the last half of the second term R. Dengler discusses aspects of plant development. Some of the topics dealt with in this portion of the course are - comparison of developmental mechanisms in plants and animals, morphogenesis of fertilized eggs in primitive and advanced plants, and the role of cell division and cell enlargement in the development of form.

Teaching Method: Lectures and laboratory work.

Evaluation: Lecture and laboratory examinations.

BIOB24Y Plant Kingdom

Course description: Evolutionary relationships between the major groups of plants are examined through a comparison of vegetative form, reproductive structures and life histories of selected living and fossil organisms.

Instructor: R. Dengler Session: Winter Day

Content: The first term deals with the comparative morphology of the nonvascular plants - fungi, algae, lichens and bryophytes. The second term covers the vascular plants - club mosses, spike mosses, quill worts, horsetails, ferns, gymnosperms and angiosperms. Particular emphasis is given to the algae, fungi and seed plants.

Teaching Method: Lecture and laboratory work

Bibliography: Bold, H. C., 1973. Morphology of Plants. Harper & Rowe, New York (Text).
Foster, A. S., and E. M. Gifford, Jr., 1974. Comparative Morphology of Vascular Plants Freeman, San Francisco. (Useful reference in second term).

Evaluation: Short laboratory quizzes, 4 laboratory examinations, two lecture examinations, final.

BIOB27Y Comparative Vertebrate Histology

Course description: The structure of the cells, tissues, and organs making up the major body systems of a variety of vertebrates as revealed through the light and electron microscope. Differences and similarities of body systems will be discussed in relation to development, evolution, and function. Each student will be required to do an individual microtechnique project.

Instructor: J. Youson Session: Winter Day

Content: First term: methods used in the preparation of tissue for examination in the light microscope and a description of the various tissues of the body (epithelium, connective tissue, muscle, nervous tissue, etc.). Second term: the relationship of the above tissues in the organ systems (sense, digestive, respiratory, excretory, reproductive, and endocrine systems).

Teaching Method: Two 1-hour lectures and 3 hours of laboratory per week.

Evaluation: Four laboratory exams (2 per term) - 40 marks
Two lecture exams, one at the end of term - 50 marks
Major laboratory report from project.

BIOB31F Insect Structure and Function

Exclusion: (BIOC07)
Prerequisites: BIOA03

Course description: The diversity of structure and function amongst insects will be considered from the standpoint of the adaptive responses of the individual and the population to the environment.

Instructor: C.K. Govind Session: Winter Day

Content: Neuromuscular analysis and central control of insect flight; flight orientation mechanisms; escape response in cockroaches; hearing in nocturnal moths; development and regeneration of neural and muscular systems.

Teaching Method: Lectures, seminars and laboratory work.

Evaluation: Seminars, essays, term test, final examination.
Lab. T.B.A.

BIOB39B Biogeography

Prerequisite: BIOA03 or NSCA02

Course description: A lecture/tutorial course on the fundamentals of animal and plant distributions, as related to ecological, historical and evolutionary factors.

Instructor: G. Voss Session: Summer Day

BIOB41Y Physiology of Microorganisms

Exclusion: (BIOB03)
Prerequisite: BIOB02

Course description: A lecture and laboratory course on the physiology of microorganisms (algae and bacteria). Emphasis will be placed on growth, energy transformations, nutritional and biosynthetic pathways and metabolic versatility. The ecological significance of miscroorganisms will be discussed with special reference to microbial interactions, symbiotic relationships and geochemical activities.

Instructors: C. Nalewajko (Sparling); J. Silver Session: Winter Day

Content: Principles of microbial classification. Kinetics of growth in culture (batch cultures, chemostats and turbidistats) and in nature. Effects of light, temperature and nutrients on growth and on photosynthesis, respiration and other metabolic pathways. Organic carbon compounds as sources of carbon and energy. Microbial activity and cycles of phosphorus, nitrogen, carbon and trace elements in nature. Interaction between organisms: symbiosis, antagonism, competition.

Teaching Method: One (2 hour) lecture per week; 3 hours of laboratory work per week, involving about 12 research-style experiments.

Bibliography: The course does not follow a single text: several current review and journal articles are used. The following is also helpful: "Algal Physiology and Biochemistry", W. D. P. Stewart (ed.)

Evaluation: Laboratory reports - 40%
Two tests - 60%

BIOB43Y General Vertebrate Biology

Prerequisites: BIOA03; BIOB22, (BIOB17, BIOB11, BIOB12, BIOB27 useful but not required)
Corequisite: BIOB22

Course description: An integrative course on the vertebrates emphasizing comparative, evolutionary and physiological approaches, and centering attention on the life cycle as the evolving and dynamic unit of study. Topics will include evolution, adaptation, diversity, zoogeography, comparative functional morphology and physiology; ethology, ecology and general biology; utilization, conservation, management. Course will consist of seminars, laboratories and some lectures on selected topics.

Instructor: A. Weatherley Session: Winter Day

BIOB47Y Plant Ecology

Exclusion: (BIOB34S)
Prerequisite: BIOB12

Course description: A lecture course with laboratory and field work on the ecology of plants. This course is designed for students with some previous experience in ecology courses, and who are majoring in science with primary interests in environmental fields. It will have relevancy to such applied fields as management, impact assessment, forestry and resource ecology - in addition to its basic orientation. The primary emphasis is on plant community structure, distribution, environmental relations, dynamics and energetics. Some attention will be given to historical factors.

Instructor: J. C. Ritchie Session: Winter Day

Content: The nature of the plant community and its relation to eco-systems; a conspectus (brief) of plant community distributions and their general relations to the physical environment; the structure and analysis of plant communities, illustrated particularly by fieldwork in the local area to apply methods of desciption and analysis; quantitative methods of analysis and classification of plant communities; the dynamics of plant communities; historical perspectives; energy flow in the plant community; nutrient and water cycles; applied aspects of plant communities - disturbance factors in technological development. Autecology - the nature of adaptations; ecotypic differentiation, ecological factors in species-level evolution.

Teaching Method: Lectures; fieldword; laboratories.

Evaluation: One 3-hour Christmas exam - 25%; one laboratory and fieldwork report - 25%; one final exam - 50%

BIOC01Y Supervised Study in Biology

Exclusions: (BIOC01F); (BIOB02S)
Prerequisites: Satisfactory completion of fifteen full-course equivalents, of which at least four must be Biological Science B-level courses

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

Instructors: Members of Faculty Session: Winter

BIOC02Y Directed Research in Biology

Exclusions: (BIOC01F); BIOC02S)
Prerequisites: Completion of fifteen full-course equivalents, of which at least four must be Biological Science B-level courses

Course description: Identical to BIOC01Y but not to be taken with the same faculty member.

Instructors: Members of Faculty Session: Winter

BIOC09F Field Course in Aquatic Biology

Prerequisites: BIOA03; BIOB15; permission of instructors
Exclusion: BIOB26F

Course description: The course will be given in late August or early September, before the beginning of term. Physical, chemical and biological aspects of various aquatic habitats will be studied intensively in a two week period of laboratory and field work, supplemented by lectures and discussion groups. Limited enrolment: 20.

Instructor: C. Nalewajko(Sparling); D.D. Williams. Session: Winter

Objectives: To gain practical research level experience in a whole ecosystem study of a lake and/or stream.

Content: During a 14-day period (end of August-beginning of September) students will study a lake or stream in the vicinity of Toronto. An intensive sampling programme will include measurements of: physical and chemical parameters, nutrients, primary production, phytoplankton and macrophytes, zooplankton, benthos and fishes.

Teaching Method: Field and laboratory work will be supplemented by lectures and discussion groups.

Bibliography: Golterman, H.L. Methods for chemical analysis of fresh waters. IBP Handbook No. 8. Blackwell Sci. Publ.; Vollenweider, R.A. (ed.) 1969 Primary production in aquatic environments. IBP Handbook No. 12. Blackwell Sci. Publ. Hynes, H.B.N. Ecology of Running Waters, U. T. Press.

Evaluation: Evaluation will be based on participation and on written reports.

BIOC10F Phytoplankton - Methods and Techniques

Prerequisite: BIOB15 Exclusion: BIOB30F

Course description: A seminar course, with laboratory and field work, on phytoplankton taxonomy and on practical aspects of sampling, identification and enumeration of phytoplankton.

Instructor: C. Nalewajko(Sparling) Session: Winter Day

Content: Principles of phytoplankton taxonomy. Isolation of unialgal and axenic cultures of algae. Parameters for estimation of phytoplankton populations. Spatial heterogeneity, and seasonal succession of phytoplankton in (a) the Great Lakes; (b) A lake in Southern Ontario.

Method: One 5-hour session per week. Formal lectures are de-emphasized, while laboratory work and seminars are stressed.

Bibliography: Reading material consists almost exclusively of papers from scientific journals. Most of these are available from the reserve room in the library.

Evaluation: Individual Seminars (2) - 25%, Group Experiments (2) - 35%, Class project (1) - 40%.

Objectives: To gain practical experience in phytoplankton ecology and in the sampling, identification and enumeration of planktonic algae.

Additional Comments: Advanced and graduate level course, for students with background in physiology and ecology of algae. Dr. M. Munawar, research scientist at Canada Centre for Inland Waters, Burlington, participates in this course.

BIOC14S Ecological Methods

Prerequisites: BIOB12 and an introductory statistics course such as PSYB07, MATB52, GGRB02, ANTB43, ECOB11 , or the permission of the instructor.

Course description: The course will deal with the biological application of statistics at a more advanced level. An introductory knowledge of statistics is assumed. The course is designed for students who hope to become graduate students, professional ecologists, or to work in related biological fields, such as forestry, fisheries, or wildlife.

Instructor: R. Boonstra Session: Winter Day and Evening

Content: Methods of data collection; methods of data analysis including such topics as sampling theory, population estimation, spatial distributions, experimental design, aerial censusing, and life table analysis; the computing facilities will be used as a tool in data analysis through the use of packaged programs.

Teaching Method: Lectures, laboratories, and field work.

Evaluation: Term and final examinations; laboratory reports.

Courses not offered in 1978-79

BIOB13Y Plant Structure and Development

BIOC12H Physiology and Biochemistry of Plant Growth and Development

Corequisite: JBCB35 recommended
Prerequisite: BIOB06
Exclusion: BIOB42H

BIOC11Y Quaternary Plant Ecology

Prerequisites: NSCB02 or BIOB12Y
Exclusion: BIOB32Y

BIOC13S Environmental Biology of Fish Populations

Prerequisite: BIOB43
Exclusion: BIOB46S

Chemistry

Staff members responsible for curriculum: T. Jack, P. Brumer, R. McClelland

Chemistry can be viewed as both a challenging intellectual pursuit and a powerful, practical tool through which to develop the resources of our contemporary society. The Chemistry handbook for 1978-79, available at the Chemistry Office, outlines the teaching and research activities of the Chemistry Faculty and offers a wide range of informal advice on undergraduate activities. A sound knowledge of the fundamental concepts of Chemistry is useful to any student in the Physical or Life Sciences.

The basic course in Chemistry is CHMA01 or CHMA02, one of which must be taken by those who wish to take further Chemistry courses or who require Chemistry for another Science.

Completion of CHMA01 or CHMA02 permits students to take any of the B-level courses in Chemistry. These are divided according to the following subdisciplines: Inorganic Chemistry (CHMB01), Analytical Chemistry (CHMB02), Organic Chemistry (CHMB05 or CHMB06) and Physical Chemistry (CHMB03). Thereafter, one can proceed to the following advanced-level courses: CHMC01 (Inorganic), CHMC02 (Physical), CHMC03 (Organic) and JBCB35 (Biochemistry).

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

Scarborough Courses	St. George Series
CHMA01/A02; CHMB01; CHMB02; CHMC01	430
CHMA01/A02; CHMB03; CHMC02	420
CHMA01/A02; CHMB05/B06; CHMC03 (providing B standing or permission of the instructor is obtained)	440 (except 447)

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

Completion of one of the Major Programmes in Chemistry can lead directly to a wide spectrum of career opportunities in industry, research, teaching, and government. These programmes are described elsewhere in the Calendar. The most general of these is the Chemistry Major. The Chemistry and Biochemistry Major emphasizes the biochemical aspects of chemistry, and the Chemical Physics Major is directed toward physical and theoretical chemistry. Students interested in these majors are urged to consult with the faculty advisors early in their academic careers. Advisors are R. McClelland (Chemistry), A. J. Kresge (Chemistry and Biochemistry) and P. Brumer (Chemical Physics).

MAJOR PROGRAMME IN CHEMISTRY

Supervisor of Studies: R. A. McClelland

Students should complete the following fifteen required courses:

(1) In the first year of full-time study (or equivalent):

CHMA01Y/AO2Y	Principles of Chemistry/General Chemistry
MATA26Y	Calculus
or	
(MATA40F; MATA45S and MATA55Y)	
PHYA01Y	Classical Mechanics/Principles of Classical Physics
or	
PHYA02Y	

(2) In the second and third years of full-time study (or equivalent):

CHMB01Y	Inorganic Chemistry I
CHMB02Y	Analytical Chemistry
CHMB03Y	Physical Chemistry I
CHMB05Y/B06Y	Organic Chemistry
CHMC01Y	Inorganic Chemistry II
CHMC02Y	Physical Chemistry II
CHMC03Y	Organic Chemistry II
MATB41F	Techniques of the Calculus of Several Variables I
MATB42S	Techniques of the Calculus of Several Variables II
or	
MATB50F*	Analysis
MATB55S	Analysis II

*Students should note that if they are going to elect MATB50F and MATB55S they must take MATA40F, MATA55Y among their first five courses and MATA45S among their first ten courses.

(3) In addition four more full courses in Chemistry, including at least three full courses selected from the CHMC40 - 50 series and the 400 level courses at the St. George Campus. At least one full course must be taken at St. George from the 400 level, or CHM324F (Crystal Chemistry) and CHM325F (Macromolecular Chemistry).

MAJOR PROGRAMME IN CHEMISTRY & BIOCHEMISTRY

Supervisor of Studies: A. J. Kresge

Students should complete the following fifteen courses:

(1) In the first year of full-time study (or equivalent):

CHMA01Y/AO2Y	Principles of Chemistry /General Chemistry
BIOA03Y	Introductory Biology
MATA26Y or MATA55Y	Calculus
PHYA01Y or PHYA02Y	Classical Mechanics/Principles of Classical Physics

(2) In the second and third years of full-time study (or equivalent):

CHMB01Y	Inorganic Chemistry I
CHMB02Y	Analytical Chemistry
CHMB03Y	Physical Chemistry I
CHMB05Y/BO6Y	Organic Chemistry I
JBCB35Y	Introductory Biochemistry
JBCB36H	Laboratory in Biochemistry
CHMC01Y or CHMC02Y	Inorganic Chemistry II/Physical Chemistry II
CHMC03Y	Organic Chemistry II
MATB41F or MATB50F	Techniques of the Calculus of Several Variables I/Analysis
MATB42S or MATB55S	Techniques of the Calculus of Several Variables II/Analysis II

(3) In addition CHM447S (St. George) or BCH424S (St. George), one additional BCH400 series half-course (St. George) one and one-half additional CHM courses selected from the C-level or 300 - 400 series (St. George), or 400 series BCH courses.

NOTE: In addition to the courses noted above an additional Biology course is recommended.

MAJOR PROGRAMME IN CHEMICAL PHYSICS

Supervisors of Studies: P. Brumer (Chemistry) & J.M. Perz (Physics)

This programme offers students interested in both Chemistry and Physics the opportunity to combine their studies in the Major. For the first two years the course of studies also satisfies the chemistry major programme requirements.

Students should complete the following fifteen courses. They include two alternative mathematics programmes. The sequence in parentheses provides a rigorous mathematical development, the alternative sequence emphasizes technique rather than rigour. Students starting in the MATA26Y sequence are urged to include MATA40F and MATA45S at some stage in their programme.

(1) In the first year of full-time study (or equivalent).

CHMA01Y or CHMA02Y	Principles of Chemistry/General Chemistry
PHYA01Y or PHYA02Y	Classical Mechanics/Principles of Classical Physics
MATA26Y or (MATA55Y; MATA40F; MATA45S)	Calculus and Linear Algebra

(2) In the second and third years of full-time study (or equivalent) the following courses should be taken.

CHMB01Y	Inorganic Chemistry I
CHMB03Y	Physical Chemistry I
CHMB05Y/B06Y	Organic Chemistry I
MATB41F and B42S	Calculus of Several Variables
or	
(MATB50F and B55S)	Analysis

****

CHMC02Y	Physical Chemistry II
PHYB01Y	Electricity and Magnetism
PHYB04F	Waves
PHYB08H	Intermediate Physics Laboratory
MATC41F and JPMC42S	Applied Differential equations/Advanced Dynamics

(3) In the fourth year of full-time study (or equivalent), four full courses must be taken, including a CHM400 series course on the St. George campus, a third year Physics course (e.g. PHYC01Y, PHYC03Y) and two other courses in either third/fourth year Chemistry or third/fourth year Physics/Mathematics.

Students are urged to consult with the Supervisor of Studies early in the programme.

CHMA02Y General Chemistry

Exclusion: CHMA01

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

Corequisites: MATA22 or MATA26 or MATA55

Course Description: Nuclear Chemistry, atomic and molecular structure, ionic solids, bonding in organic compounds; states of matter and equations of state; thermo-chemistry; chemical equilibrium in the gas phase and in solutions; reaction kinetics. Primarily for students who plan to take two or three years of Chemistry in a non-specialist Science programme or as part of a pre-professional programme. Acceptable for Chemistry major programmes.
Instructor(s): Members of the Chemistry Faculty. Session: Winter Day

Content: Starting with the atom, the course develops ideas of structure and bonding to include most covalent and ionic structures. The reactions and equilibria of chemical systems will be explored through their thermodynamic properties and chemical kinetics. A brief discussion of organic compounds, particularly those of biological importance, will be presented, with emphasis on their three dimensional structure and types of isomerism.

Teaching Method: Two lectures per week, one four-hour laboratory every other week. A tutor will be available for consultation ten hours per week in the Chemistry Learning and Resource Centre.

Evaluation: The final mark is based on problem sets, hour tests, a mid-year examination, a final examination, and laboratory performance.

CHMB01Y Inorganic Chemistry I

Prerequisites: CHMA01 or CHMA02

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

Instructor: T. R. Jack Session: Winter Day

Content: The further development of the ideas of structure and bonding introduced in CHMA01Y and CHMA02Y. The nature of bonding in covalent, ionic and coordination compounds. Thermodynamic and kinetic considerations in compound formation. The use of these concepts to rationalize the descriptive chemistry of the periodic table with special emphasis on the main group elements.

Teaching Method: Two lectures and one additional period per week to be used for supplementary or remedial work as required.

Evaluation: Tests, problem sets, and exams.

CHMB02Y Analytical Chemistry

Prerequisites: CHMA01Y or CHMA02Y

Other recommended courses: CHMB01Y

Course Description: Introduction to qualitative and quantitative analysis including gravimetric and volumetric analysis, electrochemical and spectroscopic methods of analysis, separatory techniques.

Instructor(s): To be announced Session: Winter Day

Objectives: To introduce the principles and methods of chemical analysis and to provide practical experience in the techniques employed in a chemistry laboratory.

Content: The course consists of three main divisions: qualitative inorganic analysis by wet chemical methods, classical quantitative analysis and modern instrumental quantitative analysis. The classical methods employed include gravimetric and volumetric analyses. The instrumental section will introduce the techniques of various spectrophotometric and electrochemical methods of analysis as well as chromatographic and other separatory techniques.

Teaching Method: One hour of lecture and six hours of laboratory.

Evaluation: The overall grade is a composite of laboratory performance, a final examination, and term tests and problems.

CHMB03Y Physical Chemistry I

Exclusion: PHYB09

Prerequisites: CHMA01 or CHMA02; MATA26 or MATA55; PHYA01 or PHYA02

Corequisites: MATB41 and MATB42 are strongly recommended but not required. See Physical Chemistry II, however.

Course Description: Introduction to the Kinetic theory of gases, quantum mechanics, theories of chemical kinetics and the laws and applications of thermodynamics.

Instructors: G.A. Kenney-Wallace, J.E. Dove. Session: Winter Day

Content: The kinetic theory of gases provides the major emphasis for the first quarter. This is followed by an introduction to the quantum mechanical principles which govern the internal structure of atoms and molecules. The first half ends with a treatment of chemical kinetics. In the second half of the course we resort to a thermodynamic description of chemical behaviour. The basic laws of thermodynamics and their applications to a wide variety of contemporary problems including spontaneous processes, chemical equilibria, phase equilibria, etc. are emphasized.

Teaching method: 3 lectures a week, occasional tutorials.

Evaluation: Problem sets, tests, a mid-year examination, and a final examination.

CHMB05Y Organic Chemistry I

Exclusion: CHMB06

Prerequisite: CHMA01 or CHMA02

Course Description: The chemistry of the principal functional groups encountered in aliphatic and aromatic compounds, interpreted in terms of reactivity, stereochemistry and reaction mechanisms. An introduction to organic spectroscopy will also be given.

Instructor(s) and Text: To be announced (Lecture), J. Potter (Lab)

Session: Winter Day

Content: The fundamentals of organic chemistry, including aliphatic and aromatic chemistry and an introduction to the chemistry of biologically important molecules such as proteins and carbohydrates. CHMB05Y is particularly oriented to those fulfilling an organic chemistry requirement in another programme but is also suitable for those majoring in Chemistry or intending further study in chemistry.

Teaching Method: Two lectures per week and a four-hour laboratory every other week. A tutor will be available for consultation ten hours per week in the Chemistry Learning and Resource Centre.

Evaluation: Lecture tests, mid-term and final examinations, plus a laboratory mark.

CHMC01Y Inorganic Chemistry II

Prerequisites: CHMB01, CHMB02

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

Instructor: A. Walker Session: Winter Day

Objectives: To use and modify theoretical concepts obtained in CHMB01Y to understand the chemistry of the transition elements which are intermediate between alkali metals and non-metals.

Content: Oxidation state diagrams. Modification of the "Ionic Model Approach" applicable to pretransition metals so as to accommodate the bonding of transition metals. The structure and thermodynamic stability of transition metal complexes is examined for a wide range of oxidation states.

Teaching Method: Two hours of lecture and seven hours of laboratory per week.

Bibliography: "Inorganic Chemistry" by Phillips and Williams, Vol. II (Oxford) is required and "Advanced Inorganic Chemistry" by Cotton and Wilkinson, 3rd Ed., (Interscience, Wiley) is recommended.

Evaluation: Two term tests (25%), Laboratory (25%) and a final examination (50%).

CHMC02Y Physical Chemistry II

Prerequisites: CHMB03; MATB41 and MATB42, or MATB50 and MATB55

Course Description: Quantum mechanics and its application to theories of atomic and molecular structure, and spectroscopy. Basic principles of classical and quantum statistical mechanics, statistical thermodynamics, theory of chemical kinetics and photochemistry. The laboratory associated with this course illustrates much of this physical theory and introduces advanced experimental techniques.

Instructor(s): P. Brumer Session: Lectures: Winter Day
Laboratory: Spring Term, one day

Content: The first half of the course emphasizes quantum chemistry and the various techniques for the determination of energy levels in isolated atoms and molecules. The electronic and molecular structure of molecules are then examined through atomic and molecular spectroscopy. Intermolecular forces and modes of energy transfer between molecules ultimately lead into a study of classical and quantum statistical mechanics through which we interpret the behaviour of microscopic systems. Finally, the basis of modern reaction dynamics will be introduced.

Teaching Method: Lectures, tutorial, laboratory

Evaluation: 2 three-hour examinations; term paper; problem sets, 75% (tentatively). Laboratory marks contribute the remaining 25%.

CHMC03Y Organic Chemistry II

Exclusion: CHM347 (St. George)

Prerequisite: CHMB05 or (CHMB06)

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

Instructor: R. McClelland Session: Winter Day

Content: This course provides further experience in organic chemistry to those who have completed one course in the subject. Topics will include an in-depth treatment of organic synthesis, stereochemistry, conformational analysis, reaction mechanisms, acids and bases, and free radicals; and an introduction to polymers, photochemistry, heterocycles, terpenes, and some biologically important molecules. The laboratory experiments are designed to complement the topics covered in lecture, with an emphasis on more advanced techniques.

Teaching Method: Two lectures per week, one tutorial, plus one laboratory every week.

Evaluation: One-hour lecture tests, a mid-year examination, final examination, plus a laboratory mark.

CHMC45Y Library Thesis

Exclusion: CHMC47F/S/H
Other Recommended Courses: Normally only for individuals who have completed 15 courses and who are pursuing one of the Chemistry Major Programmes.
Prerequisite: Permission of the instructor

Course Description: A report on a selected current topic in chemistry based on literature research and carried out under the direction of one of the Chemistry staff. Approximately 260 hours of work are expected.

Instructor(s): Members of the Chemistry Faculty. Sessions: Summer Day, Winter Day

Objectives: To obtain a thorough understanding of a topic of current interest and to prepare a comprehensive and critical report on this subject. To develop familiarity with the techniques of searching the chemical literature.

Content: The topic will be selected in conference with a member of the Chemistry staff. Progress will be monitored during periodic consultations with the staff member.

Bibliography: The chemical literature.

Evaluation: The mark will be awarded based on the quality of the written work and an oral presentation.

CHMC46Y Introduction to Research

Corequisite: One of the advanced laboratory courses at St. George (CHM438F or CHM448F) (except for students undertaking a project in Physical Chemistry).
Prerequisite: Permission of instructor

Course Description: Participation in a chemical research project under the direction of a member of the Chemistry staff, requiring approximately 260 hours of effort.

Instructor(s): Members of the Chemistry Faculty. Sessions: Summer Day, Winter Day

Other Recommended Courses: Normally only for students following one of the Chemistry Major Programmes.

Objectives: To develop familiarity with some of the methods of modern chemical research.

Content: The particular research problem to be pursued will be determined by discussions between the student and the faculty director of the research.

Bibliography: As relevant to the individual problem.

Evaluation: Will be based on the quantity and quality of work carried out by the student and on an oral presentation.

CHMC47F/S/H Library Thesis

Exclusion: CHMC45Y
Other Recommended Courses: Normally only for individuals who have completed 15 courses and who are pursuing one of the Chemistry Major Programmes.
Prerequisites: Permission of instructor

Course Description: Similar to CHMC45 but representing 130 hours of work.

Instructor(s): Members of the Chemistry Faculty. Sessions: Summer Day, Winter Day

Objectives: To obtain a thorough understanding of a topic of current interest and to prepare a comprehensive and critical report on this subject. To develop familiarity with the techniques of searching the chemical literature.

Content: The topic will be selected in conference with a member of the Chemistry staff. Progress will be monitored during periodic consultations with the staff member.

Bibliography: The chemical literature.

Evaluation: The mark will be awarded based on the quality of the written work and an oral presentation.

CHMC48S Special Topics in Inorganic Chemistry

Prerequisite: CHMC01

Course Description: A selection of topics in inorganic chemistry. Recent developments are emphasized. The content of the course varies from year to year so students should consult with the faculty members involved as to the specific areas to be covered in a given year.

Instructor(s): T. Jack / A. Walker, Members of the Chemistry Faculty. Sessions: Winter Day

Content: Topics of interest aimed to provide an introduction to current research areas and their theoretical and practical importance in inorganic chemistry. The emphasis will be on inorganic, but a good background in organic and physical chemistry is useful.

Bibliography: The current chemical literature.

Teaching Method: Two lectures per week.

Evaluation: To be decided. This can be in the form of a final examination, seminar, essay or research proposal. The specific form to be followed will be announced at the beginning of the course.

CHMC49S Special Topics in Organic Chemistry

Prerequisites: CHMC03

Course Description: A selection of topics in organic chemistry. Recent developments are emphasized. The content of the course varies from year to year so students should consult with the faculty members involved as to the specific areas to be covered in a given year.

Instructor(s): A.J. Kresge / R. McClelland Session: Winter Day

Content: This course will likely deal with organic reaction mechanisms in 1978-79, and CHM445S (St. George) will probably be an excluded course.

Teaching Method: Two lectures per week.

Evaluation: A final examination plus other assignments.

CHMC50S Special Topics in Physical Chemistry

Prerequisites: CHMC02

Course Description: A selection of topics in physical chemistry in which recent developments are emphasized.

Instructor(s): P. Brumer / J.E. Dove / G.A. Kenney-Wallace

Session: Winter Day

Content: The content of the course varies from year to year and in 1978-79 will focus on topics in quantum chemistry or theories of elementary chemical reactions.

Teaching Method: Two lectures per week.

Evaluation: (Tentative) 1 major paper and seminar presentation
Literature research assignments

Courses not offered 1978-79

CHMA01Y Principles of Chemistry

Exclusion: CHMA02
Prerequisites: Grade 13 Chemistry; Grade 13 Functions & Relations
Corequisites: MATA26 or MATA55; PHYA01 or PHYA02

CHMB06Y Organic Chemistry I

Exclusion: CHMB05
Prerequisites: CHMA01 or CHMA02

CHMC40F Kinetics & Mechanism of Chemical Reactions

Corequisites: CHMC01; CHMC02; CHMC03

CHMC41S Structure & Synthesis of Chemical Compounds

Corequisites: CHMC01; CHMC02; CHMC03

Clasical Studies

Discipline Representative: I.R. McDonald.

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

Classics may be combined with English in a major programme (see English and Classics), while Latin may be combined with a modern language (see Modern Languages and Literature), and Greek with Philosophy (see Philosophy and Greek).

Although there is no major programme in Classics alone, students who wish to devote some part of their time to Classics should take at least three full courses (or equivalent) in the Greek or Latin language, one course in Ancient History (GRH) and other courses from those listed under Classical Studies.

Students interested in Classics should also refer to:

DRAB05	Art and Nature of Comedy
FARB21	Archaic Greek Sculpture
FARB31	Classical Greek Sculpture
FARB42	Wall painting in the ancient world
HUMB06	Hercules: Man of Action
HUMB07	The Ulysses Factor
HUMB08	Orpheus: The Quest of Beauty
HUMB21	Love and Friendship
HUMB22	The Age of Pericles
HUMB23	The Age of Augustus
HUMB24	The Age of Nero
HUMB25	The Age of Homer
HUMB41	Women in Ancient Greece
HUMC13	Seminar in Literary Theory and Practice
PHLB40	Plato and his Predecessors I
PHLB41	Plato and his Predecessors II
PHLB42	Aristotle and Later Greek Philosophy I
PHLB43	Aristotle and Later Greek Philosophy II

MAJOR PROGRAMME IN ENGLISH AND CLASSICS

See Page 137 of this Calendar

CLAB01Y GREEK AND ROMAN EPIC

Course description: The epic genre in the classical world: its genesis in myth and history; its cultural and artistic determinants; its place in the history of ideas and in the growth of the Western literary tradition. Close reading of Homer's Iliad and Odyssey, Virgil's Aeneid, Lucan's Pharsalia; reference also to other works and their contribution to the development of the genre.

Instructor: I.R. McDonald Session: Winter Day

Objectives: To provide a useful introduction to classical literature, and to help develop an appreciation of the literary imagination and its reflection in language and style.

Content: Close reading (in English translation), study, and criticism of the major classical epics, beginning with the primitive oral tradition of Archaic Greece and concluding with the imitative preciosity of Flavian Rome. 'Mythological', 'historical', and 'didactic' epic. The relationship between society (and its myths and history) and its literary culture. Form, function, tradition, and originality in the epic genre. In addition to the works named above, attention will be given also to at least Apollonius, Voyage of Argo, and Ovid, Metamorphoses.

Method: Mainly lectures (with an occasional guest), with opportunity for discussion.

Evaluation: Two class tests (one in the Christmas exam period), one major essay due in the spring, one shorter written assignment.

Note: Students who may wish to begin their reading in advance of the start of classes should consult the instructor about the editions and translations to be used.

CLAB02Y Greek and Roman Tragedy

Course description: An exploration of the nature and intent of classical tragic drama, its conventions, historical origins and cultural context. All texts will be read in translation.

Instructor: John Grant Session: Winter Evening

Content: Most of the course will be devoted to study of the Greek tragedians, since the work of only one Roman tragedian, Seneca, has survived. No knowledge of Greek or Latin or of the classical world is assumed. After the introductory lectures the two-hour session will consist of lecture and discussion. Students will in turn be asked to report to the class on critical literature assigned by the instructor.

Evaluation: One term test (at end of Fall Term), one minor essay, one major essay and either a second major essay or another term test.

CLAB21Y Greek and Roman Religion

Course Description: 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.

Instructor: Eleanor Irwin Session: Winter Day

Objectives: To understand the way in which the Greeks and Romans looked at the gods, the world and themselves, not as a study of an alien culture, but of a very important stratum of our own.

Method: The emphasis is not so much on a description of religious phenomena, rituals, buildings, etc., from the viewpoint of an outside observer. It is an attempt to approach religion from the inside, to try to understand, e.g. the experience of a Greek of the 5th Century B.C. or a Roman of the Empire. This is a tall order, and requires a degree of sympathy and commitment from student and instructor. Our only mode of access to the feelings and beliefs of that period is the literature that remains. So the discussion of religion will be based in and emerge from major literary works.

Basic Bibliography: W.K.C. Guthrie, The Greeks and Their Gods.
N.O. Brown, Hesiod, Theogony
R.M. Ogilvie, The Romans and Their Gods.

Evaluation: By essays, tests, seminar presentation (4 pieces of work) - details to be discussed with students.

GRHB01Y Greek History from the Bronze Age to the Death of Alexander.

Course description: An introduction to political, economic, social and cultural aspects of Greek history. It will be assumed that most students will have gained some experience of the methods and objectives of historical study, and this course will therefore be taught as a B course, in spite of being introductory. The period will be studied, so far as possible, from the Greek authors (in translation) and attention will be given to the discoveries and method of archaeology. The course should be of interest to students of Classics, History, Archaeology, Anthropology and Political Science.

Instructor: T.B.A. Session: Winter Day

Note: Further information will be available later from Room H525A.

GRHB03Y Roman History from the Gracchi to Nero

Course description: A study of the Roman Republic as a social and political organization, and as a "world power", the collapse of the republican system of government and the reconciliation of republican forms with military despotism and increasing bureacracy. This course will emphasize close study of the primary sources, read in translation.

Instructor: J. Corbett Session: Winter Day

Content & Objectives: The course includes an introduction to the political and social structures of the later Republic with emphasis on political reform and reaction, the political uses of violence and the intervention of the army in politics; the careers of Julius Caesar and Augustus will be considered in detail. In the second term the emphasis will be on the origins and development of the Roman Imperial system. Students will be expected to acquire a general familiarity with the literature on the subject, to choose one topic area each term and present a paper on it, and to develop a personal view of the subject on the basis of his/her study.

Teaching Method: One two hour lecture (with discussion) and one hour of tutorial per week.

Evaluation: Essays and Oral Presentations (one of each per term) 64% final written exam 36%.

Note: A detailed Course Outline and Bibliography are available on request. The major text is: H.H. Scullard, From the Gracchi to Nero (Methuen Paperback UP #56).

GRHB27Y Studies in Roman History: Pompeii

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

Instructor: J. Corbett Session: Winter Day

Content & Objectives: The course includes a study of the site and development of Pompeii, its major public buildings and services, as well as private residences and businesses; urban institutions and social structures will also be examined with a view to reconstructing the living community. Students will be expected to acquire a general familiarity with the site of Pompeii through study of slides, maps, plans, general books and excavation reports etc., to choose a research topic and to prepare and present a major paper on that topic.

Teaching Method: One two hour seminar per week.

Evaluation: Outline of project 10%; oral presentation 20%; research paper 70%.

Note: A detailed bibliography is available on request.

GRKA01Y Introductory Greek

Course description: The bases of the language, with an emphasis on reading.

Instructor: M.E. Irwin Session: Winter Day

Objective: This is an introductory course for students who wish to acquire a basic reading knowledge of ancient Greek. No prior knowledge of Greek is expected.

Content and Method: Four hours a week intensive class work, examining authentic Greek texts and doing exercises in conversion and translation, to acquire a knowledge of the basic grammatical forms, syntax vocabulary, etc. The texts will introduce students to various aspects of Greek life: the gods, marriage and home life, women, love and friendship, war and wisdom.

Text: B.R. Rees and M.E. Jervis Lampas: A New Approach to Greek (Blackwell 1972).

Evaluation: several term tests plus a final examination.

(This course is not open to students with Grade XIII Greek).

GRKA10F Introduction to Greek authors.

Course description: A rapid reading of simple Greek texts combined with a consolidation of grammar.

Prerequisite: Grade XIII Greek or GRKA01

Instructor: T.B.A. Session: Winter Day

Texts: A Greek Reader for Schools, C.E. Freeman and W.D. Lowe (Oxford 1917).
A Primer of Greek Grammar, E. Abbott and E.D. Mansfield (London, Duckworth 1977).
An Elementary Greek Lexicon, Liddell and Scott (Oxford).

Evaluation: Several tests.

GRKB01S Plato: Apology

Prerequisite: GRKA10F

Course description: In addition to the text to be read there will be accompanying exercises to assist the student in further study of the Greek language.

Instructor: I.R. McDonald Session: Winter Day

Objective: To read in Greek and understand the Apology (Plato's account of Socrates' defense against the charges of religious non-conformity and of corrupting the young); to appreciate the magnitude of the man and the event; to develop reading skills and increase appreciation of the clarity and beauty of the Greek language.

Content: The reading of the text will occupy most time, but we will also consider the political, legal and social situation in Athens at the time of the trial and other ancient evidence for the character of Socrates and the conduct of his trial; and review and further study Greek forms and constructions.

Method: There will be three one-hour meetings weekly in which students will be expected to participate actively by translating and discussing passages of the text.

Texts: Plato. Euthyphro, Apology of Socrates and Crito ed. J. Burnet (Oxford 1967)
Plato. The Last Days of Socrates, tr. H. Tredennick (Penguin 1969)
A Greek-English Dictionary.

Evaluation: A final exam, a translation-and-comment test, and a short essay.

GRKB30F-B34F
GRKB35S-B39S
GRKB40Y Supervised Reading
Prerequisite: GRKB11 or GRKB12

Course description: Reading of texts in Greek chosen by consultation between students and faculty.

Co-ordinator: M.E. Irwin Session: Winter Day

Nature of the Programme: Students who wish to enter on the Greek Directed Reading Programme should enrol in any of the above courses. They should then contact the co-ordinator and discuss with her what they want to read and with whom. (This will depend to some extent on time available). The student will be expected to read much of the material on his/her own and to meet with the tutor once a week normally for a two hour period - the exact arrangements depending on the difficulty of the chosen text and the level of the student's ability. The purpose of these sessions will be to sort out any problems of comprehension, and to discuss the literary qualities and cultural context of the work being studied.

LATA01Y Introductory Latin

Course description: The purpose of this course is to acquaint the student with the essentials of the Latin language. Although the emphasis will be on language, selected texts will be read to introduce the student to Latin literature. On completion of the course a student will be equipped to proceed to LATB01 or LATB02.

Instructor: I.R. McDonald Session: Winter Day

Objective: To bring the student with no previous knowledge of Latin to a sound basic reading knowledge of prose and poetry, with some time given to helping him see the language in its cultural and historical context.

Content: The fundamentals of the language and its essential tools: vocabulary, grammar, and syntax. Reading and comprehension of passages of increasing complexity drawn from a variety of authors.

Teaching Method: Four one-hour classes are designed mainly to allow presentation of the basics, exercises, drills, and reading; but this routine will be varied by occasional lectures, discussions, slides, and other activities intended to reinforce linguistic skills and increase awareness of the cultural milieu.

Evaluation: A final examination (50%); short quizzes, exercises, and assignments (50%).

Text: The basic text will be F.M. Wheelock, Latin. An Introductory Course Based on Ancient Authors. Others may be assigned.

Important Note: The aims of this course can be achieved only if the student devotes some time each day to it; it is not a course the work of which he can afford to neglect for any extended period.

LATB01F Catullus

Prerequisite: Grade 13 Latin or LATA01

Course description: A selection of the works of Catullus will be read. The influences which affect Catullus, and his contribution to Latin poetry will be considered.

Instructor: John Grant Session: Winter Day

Content: The material studied will be primarily the love poetry of Catullus but some of the invective works and one of the 'long poems' will also be examined. The text used will be Quinn's edition (Macmillan, 1970).

Evaluation: Two tests (translation and comment), one essay, sight translation (worth 10%).

LATB02S Catiline

Prerequisite: Grade 13 Latin or LATA01

Course description: 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 and of examining the causes for the breakdown of the Roman Republic.

Instructor: John Grant Session: Winter Day

Content: Apart from reading the prescribed texts, students will be expected to gain some knowledge of the history of the last century of the Roman Republic and of the political institutions of the period.

Teaching Method: The class will meet three hours a week. Close attention will be given to accurate comprehension of the texts. Students will give a brief oral report on some aspect of the subject.

Evaluation: Two translation and comment tests, oral report, sight translation (worth 10%).

LATB21F Virgil: Aeneid

Prerequisites: LATB01 or LATB02

Course description: An introduction to what is arguably the greatest poem in Latin literature. Any student of Latin beyond the elementary level should read some Virgil; and it is advisable to take this course before entering on Directed Reading (B30-39).

Instructor: J.N. Grant Session: Winter Day

Content: Two books (or the equivalent) will be studied in detail but a knowledge of the whole work will be required. Students will find it beneficial, therefore, to have read the complete poem in translation before the course begins.

Evaluation: Two tests (translation and comment), one essay, sight translation (worth 10%).

LATB30F-33F Supervised Reading
LATB35S-39S
LATB40Y

Prerequisites: LATB01 or LATB02 Students are advised to take LATB21F either before or at the same time as they enter the Supervised Reading Programme.

Co-ordinator: I. McDonald

Nature of the Programme: Students who wish to enter in the Latin Supervised Reading Programme should enrol in any of the above courses (F/S/Y as appropriate). They should then contact the co-ordinator and discuss with him what they want to read and with whom (this will depend to some extent on time available). The student will be expected to read much of the material on his own, and to meet with his tutor once a week, normally for a two hour period; exact arrangements will depend on the nature of the text and level of ability of the students. The purpose of these sessions will be to sort out any problems of comprehension, and to discuss the literary qualities and cultural context of the work being read.

LATC01F-02S Independent Studies

Prerequisites: At least two of LATB21, LATB22, LATB30-31, LATB35-39; permission of instructor.

Content: A student will be expected to read considerably more than is required in the Supervised Reading courses. The reading may be confined to one author or be grouped around a topic or genre. A student who registers for both C01F and C02S may be permitted to present a major essay, on a topic approved by the faculty in Classics, as the work required for C02S. Students will meet regularly throughout the term with a member of the faculty.

Objectives: To widen students' knowledge of Latin literature beyond those works and authors which have been studied in earlier courses.

Additional Comment: A student interested in Independent Studies in Latin should meet with the Discipline Representative, Prof. I. McDonald, before enrolling, preferably in the Spring term of year preceding his beginning the programme.

Courses not offered in 1978-79:

CLAB23F/S Christianity in the Greco-Roman World

GRKB11S Homer: Odyssey
Prerequisite: GRKB01; HUMB25 is recommended but not required

GRKB12F/S Herodotus
Prerequisite: GRKB01

GRHB02Y Greek and Roman History from the Death of Alexander to the Gracchi

GRHB24F/S Ancient Historiography

GRHB25Y Studies in Greek History I (c. 800-300 B.C.)
Prerequisite: GRHB01, or any related GRH, CLA or HUM course

GRHB26Y Studies in Greek History II (c. 800-300 B.C.)
Prerequisite: GRHB01, or any related GRH, CLA or HUM course

GRHB28Y Studies in Roman History

LATB22F Horace
Prerequisite: LATB01 or LATB02

Commerce

Assistant Chairman: H.Babiak

Commerce courses are designed both for those students who intend to specialize in the area and for those who wish to take one or more Commerce courses to supplement their studies in other areas. Courses in Commerce should help students develop the analytical skills needed to diagnose and solve problems in business and government.

Students may take Commerce courses as part of a fifteen or twenty course degree (normally a B.A. degree) and may, if they wish, work towards completing the twenty-course Major Programme in Commerce and Economics. Graduates of a fifteen or twenty course degree programme may be eligible for admission to graduate study in business or may seek employment in accountancy or other industrial/commercial/governmental careers. A brochure describing accountancy careers is available from the Student Services Office (284-3292).

The College does not offer the Bachelor of Commerce (B. Comm.) degree. Students who wish to obtain the B. Comm. must either enter or transfer to another college of the University (at the St. George or Erindale campus). Because of differences in course and degree requirements, such transfers should take place as early as possible in a student's career. Since many Commerce courses at the St. George Campus are subject to limits on enrolment, Scarborough College students should not assume that they will be able to take Commerce courses at that campus where a comparable course is not available at Scarborough.

Admission to graduate study in business towards the Master of Business Administration (MBA) degree is open to all qualified graduates regardless of the subjects or disciplines studied at the undergraduate level. Students contemplating graduate study would be well advised to include some courses in Commerce in their undergraduate programme. They should also consider strengthening their preparation for graduate work by taking courses in Economics, Mathematics, Computer Science, Sociology, Psychology and Anthropology.

Limited enrolment: Because of pressures of demand for places, it has been necessary to place enrolment limits on many Commerce courses. Under present College rules, preference is given to students with academic seniority, that is,with the greatest number of full course equivalents completed at the end of the previous winter session. Students who delay submitting their course selection forms until the end of the Summer may find many limited enrolment courses have been closed.

Prerequisites: Prerequisites will be strictly enforced for all Commerce courses. Students who knowingly or unwittingly register for courses for which they do not have the necessary prerequisites will be denied access to those courses.

In view of the many academic and career options available in the Commerce area, students are encouraged to seek the advice of the Supervisor of Studies for Commerce (284-3115).

Other Commerce Courses

The following courses are listed under "Joint Courses" elsewhere in the Calendar:

JCEB54S Industrial Relations

JCEB72F Analysis for Decision Making I

JCEB73S Analysis for Decision Making II

JCEC02Y Corporation Finance

JCSB27Y Organizational Behaviour

MAJOR PROGRAMME IN COMMERCE AND ECONOMICS

Supervisor of Studies: H. Babiak

The major programme in Commerce and Economics is designed to provide the student with a foundation either for a management career in commerce, industry or government or for further study in such fields as accounting, economics, law and management.

The programme requires completion of the following minimum requirements as part of a twenty-course degree:

(1) Six full-course equivalents in Commerce including COMA01, COMB01, JCSB27, JCEB72, JCEB73, JCEC02; (See Note A)

(2) Five full-course equivalents in Economics including ECOA01, ECOB01, ECOB02, ECOB05, ECOB11, and either ECOB06 or ECOB08;

(3) A course in Calculus (MATA22 or MATA26 or MATA55);

(4) A half-course in Computer Science (CSCA56 or CSCA58);

(5) One and one-half full course equivalents from areas other than Commerce, Computer Science, Economics and Mathematics.

The remaining courses required for the degree may be taken in Commerce or from any other area of study.

Note A: JCE courses may be counted as either Commerce courses or Economics courses. If JCE courses are used to meet the Economics requirements, other COM courses may be substituted in meeting the Commerce requirements.

Chartered Accountancy as a Career

The College offers a significant number of courses which have been recognised as meeting part of the educational requirements of the Institute of Chartered Accountants of Ontario. A brochure describing the Chartered Accountancy programme and listing the recognised Scarborough College courses is available from the Student Services Office (284-3292).

COMA01Y Financial Accounting

Course description: Basic theory and concepts which underlie the preparation of financial statements; development of double entry theory and practice; the accounting cycle from the recording of transactions in double entry form to the year-end entries and the preparation of financial statements; problems of measuring income.

Instructor: A. Stawinoga (Co-ordinator) and others Session: Summer Evening Winter Day and Winter Evening

Content: The course begins with an examination of the "accounting model" and then looks at the methods of measuring revenues and expenses and valuing assets and equities. The course stresses both accounting techniques and the principles or concepts underlying those techniques.

Teaching Method: Evening classes - one night a week for three hours, of which one hour will be a lab/tutorial. Day classes - two hours a week plus a lab/tutorial where it can be arranged. (Summer - two to three hours of lecture/lab/discussion twice a week).

Evaluation: Two mid-term tests plus examinations in December and April. Weekly homework assignments account for 10% of the final mark. (Summer - three term tests and a number of short quizzes plus two homework assignments per week).

Additional comments: The workload in the course is substantial and is spread evenly over the year. Many students, especially those in first year, find the course very demanding.

COMB01Y Management Accounting

Prerequisite: COMA01

Course description: An introduction to cost accounting with emphasis on the use of accounting information in managerial decision-making. Topics include types of cost accounting systems, patterns of cost behaviour, problems of cost determination, allocation, budgeting and control.

Instructor: H. Babiak (Co-ordinator) and others Session: Winter Day and Winter Evening

Content: Topics will include cost-volume-profit relationships, job and process costing systems, variable costing concepts, joint costs, standard costs, planning, budgeting and control, and an introduction to capital expenditure analysis.

Teaching Method: Normally two hours of lecture-discussions per week.

Evaluation: Three term tests and a final examination and weekly homework assignments worth 10% of the final mark.

Additional comments: The workload in the course is substantial and is spread evenly over the year. Many students find the course very demanding. Some facility for dealing with mathematical concepts would be beneficial.

COMC01Y Accounting Theory

Prerequisite: COMB01

Course description: An examination of some of the theoretical and practical accounting problems involved in income determination and balance sheet valuation including the problem of changing price levels. Limited enrolment: 60

Instructor: H. Babiak Session: Winter Day

Content: A detailed examination of balance sheet and income statement items, including problems of recording, valuation and disclosure.

Teaching method: Most of the classtime will be devoted to students' presentations of solutions to discussion questions, exercises and problems.

Bibliography: The CICA Handbook and an intermediate accounting text will form the major sources of information.

Evaluation: Weekly homework problem assignments, three tests and a final examination and class participation will all be evaluated. A number of short quizzes will also be given.

Additional comments: The course builds extensively on the material in COMA01 and, to a lesser extent, COMB01. Students planning to take the course should review thoroughly their understanding of the accounting cycle, preparation of financial statements and other basic concepts from COMA01 prior to the start of the course.

COMC03Y Marketing

Prerequisite: COMB01

Course description: Marketing management is concerned with those business decisions directly involved in the sale of goods and services. The course examines the theory of consumer behaviour and sources of market information as well as the traditional areas of product, price promotion and distribution. Limited enrolment: 60

Instructor: T.J.Mitchell Session: Winter Day

Evaluation: Evaluation will include, among other things, a mid-course test and a final examination.

Additional Comments: No further details are available at the present time. For further information, contact the Supervisor of Studies, Commerce.

COMC15Y Income Tax

Prerequisite: COMB01

Course description: An examination of the broad principles of federal income tax in Canada and of the detailed provisions involved in the taxation of business enterprises. Limited enrolment: 60.

Instructor: T.B.A. Session: Winter Evening

Evaluation: There will be a mid-course test, a final examination and regular homework assignments.

Additional comments: No further details are available at the present time. For further information, contact the Supervisor of Studies, Commerce.

COMC30Y The Legal Environment of Business

Prerequisites: Completion of at least ten courses including COMA01 and ECOA01

Course description: An intensive examination of those aspects of the law that most directly affect the operations of a business. Limited enrolment: 60.

Instructor: T.B.A. Session: Winter Day

Evaluation: There will be a mid-course test, a final examination and a number of homework assignments.

Additional comments: No further details are available at the present time. For further information, contact the Supervisor of Studies, Commerce.

COMMERCE COURSES NOT OFFERED 1978-79

COMC10F/S. Management Control Cystems
Prerequisites:COMB01; (COMB27); (SOCB27); JCSB27

COMC20Y Business Policy
Prerequisites: COMB01; (COMB27); (SOCB27); JCSB27; (COMC02); COMC03 JCEC02

Computer Sciences

Discipline Representative: R. Perrault

Computer science is concerned with the use of computers to process information. A modern computer is expected to process many different kinds of information: business accounts and records, scientific calculations for engineering and the physical sciences, natural language text for linguists. Computer science includes the identification of classes of problems that can be solved using computers, the study of ways of representing the relevant information in computer usable form, and the investigation of how to describe solutions best in terms of the operations that computers can perform.

A fundamental concept in computer science is the algorithm - a list of instructions which specifies the steps required to solve a particular problem. Two major concerns in computer science are the analysis of problems, frequently using the tools of mathematics and statistics, and the formulation of algorithms to solve particular classes of problems. Other areas of interest include the transformation of abstract algorithms into computer programmes, and the testing and validation of algorithms and programmes. Closely related to these areas are efforts to develop tools for designing better computers and for using them more effectively.

Course offerings are intended to serve a wide variety of students, ranging from those whose primary interest is in information processing, to those interested in applying computers in other fields. The major programme in Computer Science is designed to provide a student with the knowledge and skills needed to hold professional positions in the computer field and to prepare him for graduate study. The major programme in Computer Science for Data Management is intended for students who plan to pursue a career in information systems development, an area of increasing importance to business, industry and government. From this programme a student may continue with graduate study in computer science. If certain optional courses in Commerce, are taken in the third and fourth years, a student in this programme may qualify for advanced standing toward the MBA degree.

Students who wish to study computing primarily in order to use computer techniques in their own specialties should begin with CSCA56F and CSCA66S. JMCC51S is then available, (as are CSC208S, 218F, and 300F, given on the St. George Campus.)

Students who are anticipating a career in secondary school teaching should select several courses from the following: CSCA56F/A58F, A66S/A68S, B28S, B68F, B73F, C34F, JMCC51S, and CSC300S, 374F offered on the St. George Campus.

STUDENTS SHOULD ALSO LOOK AT JMCC48, JMCC51 AND JMCC31 WHICH ARE ADDITIONAL COMPUTER SCIENCE COURSES.

MAJOR PROGRAMME IN COMPUTER SCIENCE

Supervisor of Studies: R. Perrault

There are ten and a half courses required for the major programme in Computer Science. Note that the courses need not be taken in the indicated order, but if an alternate ordering is adopted, care must be taken to ensure that prerequisites are satisfied and other conflicts avoided.

In the first year of full-time study (or equivalent):

CSCA58F, CSCA68S, MATA26/MATA55, MATA40F, MATA45S

In the second year of full-time study (or equivalent):

CSCB68F, CSCB73F, CSCB28F, (MATB41F and MATB42S)/(MATB50 and MATB55)

In the third year of full-time study (or equivalent):

CSCC34F, JMCC51S, MATC44F, MATB52F, MATB57S, MATC41F/MATC60F/MATB40F

In the third or fourth year of full-time study (or equivalent):

Two full courses to be chosen from the following options. (Note that only JMCC48 and CSCC44F are available at Scarborough and can be taken in third year (or equivalent); the remaining courses must be completed at the St. George campus. Any two of CSC438F, 441S, 448S, 451F, JMCC48 (including at least one of 438F and 448S), and any two of CSCC44F, 374F, 434F/S/468F, 458S, 474S.

In completing his programme a student is strongly encouraged not to include any Computer Science courses other than those required above. It is also desirable to have a sequence of approximately four related half-courses in a subject area in which computers can be usefully applied.

MAJOR PROGRAMME IN COMPUTER SCIENCE FOR DATA MANAGEMENT

Supervisor of Studies: R. Perrault

There are thirteen courses required for the major programme in computer science for data management. The courses may be taken in a different order, but care must be taken to ensure that prerequisites are satisfied and conflicts avoided.

(1) In the first year of full-time study (or equivalent):

CSCA58F, CSCA68S, MATA26/(MATA55 and MATA40F), COMA01, ECOA01

MATA40F will be required later in the programme if the option MATA26 is chosen.

(2) In the second year of full-time study (or equivalent):

CSCB68F, CSCB73F, CSCB28S, ECOB01F, ECOB02S, MATB41F, MATB42S.

(3) In the third year of full-time study (or equivalent):

CSCC34F, COMB01, MATA40F, MATB52F, MATB57S

(4) In the third or fourth year of full-time study (or equivalent):

Two and a half full courses to be chosen from the following options: (Note that JMCC51, MATC44, CSCC44 and JMCC48 are offered at Scarborough, while the remaining courses must be completed at the St. George campus.) Any two of MATC44F, JMCC48S, JMCC51S, CSC364S/438F,448S and any three of CSCC44F, 374F, 434F/S/468F, 458S, 474S.

In completing his program, a student is encouraged not to include any computer science courses other than those required above.

CSCA56F/H Computer Programming

Exclusions: CSCA58, (MATA56), (MATA58)
Prerequisite: One grade 13 course in Mathematics

Course description: Introduction to algorithms, computer organization and computer programming. Emphasis is on learning to programme in a high level language. Various applications of computers will be discussed. (This course is intended for students who want to learn programming for use in their own area of interest.)
Instructor: TBA Session: Winter Day & Evening
Summer Evening

Objectives and Content: This course provides an introduction to computing. The purpose of the course is to introduce the student to algorithms and to acquaint him with the capabilities and limitations of the computer. The course can be roughly divided into two six-week sections. The first six weeks are spent learning PL/1 as an example of a programming language. This language is introduced as a tool for the precise specification of an algorithm. Its dual purpose, to communicate algorithms to both machines and other people, is emphasized. In the second six weeks sample problems from several application areas are studied to demonstrate the variety of problems that are solved with the aid of computers.

Evaluation: A term test
A final exam
Five assignments
Several tutorial quizzes

CSCA58F Introduction to Computing

Exclusions: CSCA56, (MATA56), (MATA58)
Prerequisite: Grade 13 Functions and Relations, or Grade 13 Calculus
Corequisite: MATA26 or MATA40 or MATA55

Course description: The specification and formulation of algorithms. Introduction to computer organization and assembly language. Programming in a high-level language such as PL/1. Structured programming. Elementary applications.
Instructor: TBA Session: Winter Day

Content: The PL/1 programming language is used as a vehicle for the formulation and implementation of correct, lucid, and efficient algorithms for digital computers. Applications of programming techniques are considered.

Teaching Method: 2 hours of lectures and 2 hours of tutorials per wk.

Evaluation: Mid-term and final examinations, and 5 programming assignments.

CSCA66S Programming Applications

Exclusions: CSCA68, (MATA68) (MATA66)
Prerequisites: (MATA56) or(MATA58) or CSCA56 or CSCA58

Course description: A continuation of CSCA56. Practical approaches to solving problems involving data structures, non-numerical applications (graph theory, game theory), data processing, and numerical computations. The course also covers recursive programming.

Instructor: TBA Session: Winter Day

Objectives and Content: This course is a continuation of CSCA56 and it covers sample problems from several areas. Topics covered in this course include data structures, recursion, data processing, graph theory (game theory), and numerical computations. More emphasis is put on data structures and recursion. Three weeks are spent on data structures where structures such as linked lists and trees are studied. The rest of the course is evenly distributed between the other topics.

Evaluation: A one-hour mid-term
A final examination
4 or 5 assignments
Bi-weekly tutorial quizzes

CSCA68S Problem Solving with Computers

Exclusions: CSCA66, (MATA66), (MATA68)
Prerequisite: (MATA58) or CSCA58 or (MATA56) or CSCA56 and permission of instructor

Course description: A continuation of CSCA58. The application of computers to various numerical and non-numerical problems. Topics will include numerical methods, simulations, graph theory, data processing, and the validity of computer models.

Instructor: TBA Session: Winter Day

Content: Basic data structures; lists, stacks, queues, trees, graphs. Recursive programming. Graph theory algorithms. Sorting and searching algorithms. Numerical methods.

Teaching Method: 2 hours of lectures, and a 2 hour tutorial per wk.

Evaluation: Mid-term and final exams, and about 4 programming exercises.

CSCB28S Programming Techniques for Data Processing

Exclusion: (MATB28)
Prerequisite: (MATA68) or CSCA68

Course Description: This course is intended to examine the role of the computer in the business environment. The emphasis will be on the design methodology of business computer systems, rather than particular applications.

Instructors: TBA Session: Winter Day

Content: Topics include: COBOL programming the Modular approach to program design including: decision tables, if-applicable programming and table driven logic; Sequential file processing including: data validation, external sorting, generalised file processing systems. Some applications will be examined and an overview of the role of mathematical modeling in the business environment will be given.

Teaching Method: Lectures and tutorials.

Evaluation: 2 One-hour quizzes, 3 Programming assignments, 3 Written assignments.

CSCB68F Programming Languages and Their Applications

Exclusion: (MATB68)
Prerequisite: (MATA68) or CSCA68

Course description: 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.

Instructor: TBA Session: Winter Day

Objective and Content: This course is intended to introduce students to a wide range of programming languages, their formal description, and their applications. The languages ALGOL, SNOBOL, LISP will be discussed in detail, and their features will be compared. Other languages will also be discussed.

Evaluation: A mid-term exam
A final exam
4 - 5 programming assignments

CSCB73F Computer Organization

Exclusion: (MATB73)
Prerequisite: (MATA68) or CSCA68

Course description: This course is designed to give students an understanding of the operation and the hardware of a modern digital computer. No knowledge of electronics is necessary as gates are the basic building blocks that will be used.

Instructor: TBA Session: Winter Day

Content: Specific topics include: an introduction to boolean algebra the design and analysis of gate networks, memory devices, the organization of a simple microprogrammed machine, basic data representation, assembler language, addressing structures, mechanisms for input and output, the structure of peripheral devices, some case studies of particular machines.

Teaching Method: Lectures and tutorials.

Evaluation: 2 - One hour quizzes
6 - Homework assignments

CSCC34F Data Structures

Exclusion: (MATC34)
Prerequisite: (MATB68) or CSCB68

Course description: This course is designed to teach students that care taken in representation of information can lead to improvements in the quality of programmes. A selection of topics will be used to illustrate approaches to choosing a data structure and associated algorithms.

Instructor: C.R. Perrault Session: Winter Day

Content: Specific topics covered include: Basic data types and their representation, sequences, graphs and basic graph algorithms, representation of trees and heaps, internal and external sorting algorithms, search aiding structures: trees, dictionaries and hash tables, file structures, data base systems.

Teaching Method: Lectures and Tutorials

Evaluation: 2 - Tests
6 - Written or programming assignments

CSCC44F Problem-Oriented Languages and Interpreters

Prerequisites: CSCB28, CSCB73, CSCB68

Course description: This course is designed to give students insight into the workings of a programming language processor. It will motivate the use of formal languages in the specification of syntax and semantics for a programming language.

Instructor: TBA Session: Winter Day

Content: Specific topics include: an overview of a language processor, lexical analysis, an introduction to the mathematical theory of syntax, basic concepts of syntactic and analysis and parsing algorithms, specification of semantics and code generation, the run-time organization of the language processor, storage allocation. The SNOBOL and ALGOL-W language processors will be used as a source of examples.

Teaching Method: Lectures and assignments. A series of assignments will result in the students building their own compiler/interpreter.

Evaluation: 2 - One hour quizzes
6 - Written or programming assignments

Co-operative Programme in Administration

This programme is designed for students who have aspirations towards administrative careers in government or government-related business. Graduates of the programme receive a twenty-course B.A. in Administration.

The programme combines eight four-month terms of study at Scarborough College with five terms of work experience. The work terms are spent in government or government-related jobs. Students proceed to their first work-term placement after completion of either two or three study terms.

The study component consists of twelve and one-half required courses and seven and one-half optional courses. The requried courses are:

Commerce - two full course equivalents

COMA01Y Financial accounting
COMB01Y Management accounting

Economics - two and one-half full course equivalents

ECOA01F Introduction to economics
ECOB35F/S Public decision making

at least two of:
) ECOB11F/S Quantitative methods in economics
) ECOB01F/S Price theory I
) ECOB05F/S National income and the national economy
) ECOB31F/S Economics of the Public sector: taxation
) ECOB32F/S Economics of the Public sector: expenditures

Humanities Division subjects - two and one-half full course equivalents *

Computer Science - one-half full course equivalent

one of:
) CSCA58F Introduction to computing
) CSCA56F Computer programming

Political Science - four full course equivalents

POLA01Y Canadian government and politics
POLB02F/S Canadian political parties
POLB05Y Public administration
POLB19F/S Intergovernmental relations
POLB20F/S Provincial and local government
POLB32F/S Canadian constitutional law
POLB35Y Public policies in Canada
POLB36Y Urban Politics
POLB37F/A Government and politics in Ontario.

Sociology - one full course

JCSB27Y Power and organization

* Students are advised that a working knowledge of French is strongly recommended in any training programme for the Civil Service.

Work-term placements are arranged by the programme's Co-ordinator. Satisfactory performance during the work-term assignments is a requirement for continuation in the programme.

Further information may be obtained from Student Services (284-3292)or the Co-ordinator of the Programme in Administration (284-3117).

Development Studies

Supervisor of Studies: K.R.J. Sandbrook

The systematic study of development is a fairly recent phenomenon, stimulated by the demise of formal colonialism since the end of World War II. The immense problems confronting newly-independent countries have spurred many sorts of scholarly investigation. Economists investigate patterns and means of economic development in order to discover how stagnant economies might attain self-sustaining growth. Sociologists and anthropologists study, among other things, processes of adaption and resistance to new ways of life. Political scientists seek to uncover the effects of existing structures of domination and to suggest solutions to the crises of national disunity and political instability. Geographers examine the spatial dimensions of modernization. Historians tackle such questions as the meaning and heritage of Western imperialism in the underdeveloped areas. The study of development is not, however, restricted solely to third-world countries. Some scholars have investigated the generic problems of development within backward or stagnant areas of so-called "developed" countries of the West as well.

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

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

ANTB03F	The Americas: An Anthropological Perspective
ANTB08F/S	Anthropology of Development (not offered 1978-79)
ANTB17S	Complex Societies
ANTB19S	Introduction to Economic Anthropology
ANTB32S	Introduction to Political Anthropology
ECOB66F	Economic Development
HISB21FN	Frontier Communities in the British Empire and Commonwealth
HISB22SN	British Imperialism in India
POLB12YN	Politics and Society in Independent Africa
POLB17Y	The Chinese Political System (not offered 1978-79)
POLB33Y	Politics and Government in India (not offered 1978-79)
POLB38Y	Politics of the Third World
POLB39Y	Politics and Society in Contemporary Japan
POLC13F	Political Economy of Third-World Urban Poverty (not offered 1978-79)
POLC14S	Multinational Corporations and Underdevelopment
SOCB14Y	Comparative Social Structure
SOCB16Y	Social Change
SOCB25S	Comparative Race Relations
SOCB26S	Sociology of Urban Growth

Drama

Discipline Representative: M. Schonberg

The Drama courses at Scarborough College have been devised to serve both students who intend to specialize in Drama and Theatre studies, and those who have a casual interest in the subject.

At present we offer two types of courses which complement each other: Theoretical and practical. The theoretical courses are in the History of Theatre, in which the student becomes familiar with the development of the theatre from a non-literary point of view from its classical beginnings till the present day. These courses are augmented by courses in the dramatic literatures of several countries which are offered by members of the faculty who are specialized in these areas.

Advanced students may choose one or more of the Independent Studies courses or Directed Reading courses where they work individually under the supervision of their own tutors.

The practical program consists of courses in which the students become acquainted with all the aspects of the theatre production in studio situations, both as actors and technicians. The students study with faculty members and with professional artists and teachers. Participation in public productions at the College is encouraged. Students wishing to major in drama are advised to consult with M. Schonberg, the co-ordinator of Drama Studies.

MAJOR PROGRAMME IN DRAMA

Supervisor of Studies: M.Q. Schonberg

A student is required to complete at least ten full course equivalents in the area of dramatic literature and theatre.

The following five courses comprise the core of the programme:

DRAB01Y	Drama Workshop and Seminar
DRAB03Y	The History of Theatre I
DRAB04Y	The History of Theatre II
ENGB11Y	Varieties of Drama
ENGB31Y	Modern Drama

In addition, the student must take at least one of the following courses:

DRAC01Y	Advanced Practical Workshop and Elements of Directing
DRAC10Y	Individual Studies in French Drama
DRAC11Y	Individual Studies in German Drama
DRAC12Y	Individual Studies in Italian Drama
DRAC13Y	Individual Studies in Russian Drama
DRAC14Y	Individual Studies in Spanish Drama
DRAC20Y	
DRAC24Y	Supervised Reading Courses

The student may take only one of the Individual Studies courses in any single academic year.

The remaining four or more courses may be chosen from the following:

CLAB02Y	Greek and Roman Tragedy
DRAB02Y	The Directors' Theatre
DRAB05Y	The Art and Nature of Comedy
DRAB10B	The Theory and Practice of Improvisational Theatre: Commedia dell' Arte
JEDC20Y	Techniques of Playwriting and Analysis
ENGB04Y	English Poetry and Drama 1660 to 1800
ENGB10Y	Shakespeare
ENGB12Y	English Drama to 1642
ENGB13F/S	Drama in English Canada - 1920-1970
FREB29F/S	French Drama of the Eighteenth Century
FREB30F	French Theatre of the Early Modern Period
FREB31S	Contemporary French Theatre: The Theatre and the Absurd
FREB38F/S	The Theatre of French Canada
FREB41F/S	The Playwrights of the Golden Age
GERB40Y (GERB21Y)	The Development of German Drama (in translation)
GERB63F (GERB16F)	Nineteenth Century Drama
GERB70S (GERB03S)	Twentieth Century Drama and Poetry
ITAB15F/S	Pirandello and the Italian Theatre of his Time
ITAB16F/S	Italian Theatre from 1930 to the Present
ITAB41F/S	Italian Eighteenth Century Theatre
JHDB12Y	Introduction to Cinema
SPAB23Y	Spanish Drama

DRAB01Y Drama Seminar and Workshop

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

Instructor: L.L. Browne Session: Winter day

Objectives: To introduce the students to the practical elements of the theatre.

Content: In the workshops, the student will study the basics of acting (voice, movement, building a character etc., and be introduced to such technical skills as lighting, sound, make-up, set-construction etc.). Audio/Visual equipment is used extensively throughout the course.

Teaching Method: Three 2-hour workshops plus rehearsal times as necessary, per week.

Bibliography: Gassner, John. Producing the Play (published by Rinehart). Selected play texts will be announced.

Evaluation: In this course the students are not encouraged to compete against one another but rather to cooperate. Consequently emphasis is placed on participation and careful attendance and concentration. Careful preparation for each of the workshops and seminars is essential, and students are evaluated continuously. The assignments are directed towards acquisition of skills and towards the stimulation of individual and group creativity.

DRAB04Y The History of Theatre II

Course description: A study of the History of the Theatre in the 19th and 20th Centuries.

Instructor: M.Q. Schonberg Session: Winter Day

Content: The study of the non-literature aspects of modern theatre in Europe and North America in the proper historical and socio-political context. Major topics of concentration will deal with the European Romantic Theatre; The Early Theatre in North America; Melodrama; The Advent of Realism; The Naturalistic Theatre; The Symbolist Trends; The Expressionistic Theatre; The Epic Theatre; Contemporary Theatre.

Another area of study will include ballet, opera, and so called "lesser" theatrical forms, i.e. Music Hall, Vaudeville, Burlesque Theatre, Circus.

Teaching Method: There will be two 1-hour classes and a 1-hour optional seminar.

Bibliography: Oscar Brockett: History of Theatre, Third Edition; Other texts will be announced.

Evaluation: Class Tests, 2 Term Papers.

DRAB10B The Theory and Practice of Improvisational Theatre: The Commedia dell'Arte
(See Summer Arts Programme)

JHDB12Y Introduction to Cinema
(See listing under section for Joint Courses)

DRAC01Y — Advanced Practical Workshop and Elements of Directing

Prerequisite: DRAB01

Course description: This course is designed to enable advanced students to concentrate on problems related to the staging and direction of plays in studio situations. A portion of the course is given to work with TV-video tape equipment.

Instructor: M. Schonberg Session: Winter Day

Content: Advanced exercises in acting skills, scenework, and productions.

Teaching Method: A minimum of three hours weekly in formal groups as well as participation in rehearsals.

Bibliography: Curtis, Canfield The Craft of Play Directing, published by Holt, Rinehart and Winston. Further readings will be announced.

Evaluation: to be annouced later.

DRAC10Y — Individual Studies in French Theatre and Drama in Translation

Prerequisites: At least ten full course equivalents, two of which must be DRAB03 and DRAB04. This course is intended for students majoring in Drama who are not sufficiently fluent in French/German/Italian/Russian to read the works in the original language. Permission of Drama Co-ordinator required.

Course description: Individuals will study under the supervision of members of the French section.

Instructor(s): Members of the French Staff Session(s) Winter Day

Content: This will be arranged between the instructors in the specific courses and the individual students.

Teaching Methods: Individual consultations between the instructor and the students.

Bibliography:

To be arranged.

Evaluation: to be announced later.

Interested students should contact Mr. Schonberg, Discipline Representative for Drama.

DRAC11Y — Individual Studies in German Theatre and Drama in Translation

Prerequisite: Same as for DRAC10

Course description: Individuals will study under the supervision of members of the German section.

Instructor(s): Member of German Staff Session(s): Winter Day

Content: This will be arranged between the instructors in the specific courses and the individual students.

Teaching Method: Individual consultations between the instructor and the students.

Bibliography: To be arranged.

Evaluation: to be announced later

Interested students should contact Mr. Schonberg , Discipline Representative for Drama .

DRAC12Y — Individual Studies in Italian Theatre and Drama in Translation

Prerequisite: Same as for DRAC10

Course description: Individuals will study under the supervision of members of the Italian section.

Instructor(s): Member of Italian Staff Session(s): Winter Day

Content: This will be arranged between the instructors in the specific courses and the individual students.

Teaching Method: Individual consultations between the instructor and the students.

Bibliography: To be arranged.

Evaluation: to be announced later.

Interested students should contact Mr. Schonberg, Discipline Representative for Drama.

DRAC13Y **Individual Studies in Russian Theatre and Drama in Translation**

Prerequisite: **Two full course equivalents in Drama or one full course equivalent in Drama and one in Russian Literature. This course is intended for students majoring in Drama who are not sufficiently fluent in Russian to read the works in the original language. Permission of Drama Co-ordinator required.**

Course description: Individuals will study under the supervision of members of the Russian section.

Instructor(s): Members of the Russian Staff Session(s): Winter Day

Content: This will be arranged between the instructors in the specific courses and the individual students.

Teaching Methods: Individual consultations between the instructor and the students.

Bibliography: To be arranged.

Evaluation: to be announced later.

Interested students should contact Mr. M. Schonberg, Discipline Representative for Drama.

DRAC14Y Individual Studies in Spanish Theatre in Translation

Prerequisites: Ten full course equivalents and permission of programme co-ordinator

Course description: This course is intended for students in the Major programme in Drama who do not have adequate knowledge of the Spanish language to be able to work with original texts.

Instructor: Members of the Spanish Staff

Content: This will be arranged between the instructors in specific courses and the individual students.

Teaching Methods: Individual consultations between the instructors and the students.

Bibliography: To be arranged

Evaluation: To be announced later

Interested students should contact M. Schonberg, Discipline Representative for Drama

DRAC20Y-24Y Supervised Reading Courses

Prerequisites: One B-level course in Drama, and permission of instructor

Course description: This is an advanced reading course for drama students. The student wishing to take this course should consult with M. Schonberg, co-ordinator of drama program, who will arrange in co-operation with the student a reading list and set the specific requirement for the course.

Instructor(s): M. Schonberg Session(s): Winter Day

Teaching Methods: Individual consultations between the instructor and the students.

Bibliography: To be arranged

Evaluation: To be announced later

Interested students should contact Professor M. Schonberg

Courses not offered in 1978-79

DRAB02Y The Directors' Theatre

DRAB03Y The History of Theatre I

DRAB05Y The Art and Nature of Comedy
Exclusion: CLAB09

JEDC20Y Technique of Playwriting and Analysis
Prerequisite: Normally two courses in Drama: permission of instructor

Economics

Assistant Chairman: D.E.Moggridge

The Economics curriculum offers a wide variety of both theoretical and applied courses. The curriculum provides an excellent background for careers in business, government, and the professions. Many of the courses are not intended exclusively for specialists in the discipline but can be of value to students with very diverse interests.

There are certain courses which are central to the programme: the introductory course (ECOA01); the initial B-level courses -- price theory I and II (ECOB01, ECOB02) and national income (ECOB05); at least one among courses that provide a different perspective either on contemporary economic theory, or on ways of organizing economic activity -- economic history (ECOB81, ECOB82), the literature of economics (ECOB20, ECOB21), comparative economic systems (ECOB68). A student who wants to pursue Economics in depth should consider seriously acquiring a background in Accounting, Statistics, and Computer Science and, most important of all, Mathematics (especially Calculus, Probability Theory, and Linear Algebra).

Many courses in the Social Sciences complement courses in Economics so that students are urged to read the Calendar and, with the help of their advisers, to plan their programmes of study carefully.

There were massive changes in the numbering system in Economics in 1975-76 compared with earlier years. In general, the titles have remained the same, so that students should not take, in 1975-76 or beyond, the same course that they took before 1975-76. The exclusions are shown below.

Course Name	Number in 1975-76 and Before	Number in 1975-76 and Beyond
National Income and the National Economy	ECOB02F	ECOB05S&F
North American Economic History	ECOB03Y	ECOB81Y
European Economic History	ECOB04Y	ECOB82Y
Economics of Public Sector:		
Taxation	ECOB07S	ECOB31S
Expenditures	ECOB08F	ECOB32F
Economic Development	ECOB09F	ECOB66F
Comparative Economic Systems	ECOB10F	ECOB68S
Money and Banking	ECOB11S	ECOB03F&S
International Economics:		
Finance	ECOB12F	ECOB61F
Trade Theory	ECOB13S	ECOB62S
Labour Economics	ECOB14S	ECOB51S
Industrial Organization	ECOB16S	ECOB41S
Urban Economics	ECOB17F	ECOB47F
Macroeconomic Policy	ECOB18S	ECOB06S
Literature of Political Economy I	ECOB20F	ECOB20F
Literature of Political Economy II	ECOB21S	ECOB21S
Analysis for Decision Making	ECOB26Y	JCEB72F & 73S

MAJOR PROGRAMME IN ECONOMICS

Supervisor of Studies: D.E. Moggridge

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

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

Students must complete at least nine full courses (or equivalent) in Economics, and must complete the following specific courses:

ECOA01Y
CSCA56F or CSCA58F
MATA22Y or MATA26Y or MATA55Y
ECOB01F and ECOB02S
ECOB05F and ECOB06S
ECOB11F/S and ECOB12S
ECOB20F/S or ECOB21F/S or ECOC05F/S or ECOC07F/S
ECOB66F/S or ECOB68F/S or ECOB81Y or ECOB82Y

Four C-level courses in Economics, one of which must be ECOC13F or ECOC14S and one of which must be taken from the "Workshop in Economics."

Students are urged to take ECOA01Y, CSCA56F or CSCA58F and either MATA22Y or MATA26Y or MATA55Y in their first year of full-time study (or equivalent). The courses in Mathematics, particularly MATA26Y or MATA55Y, are recommended as preliminary to ECOB01F, which is an important course in the second year of full-time study (or equivalent). ECOB11F/S should be included in the first ten courses taken.

Students may petition the Supervisor of Studies for permission to substitute other courses for some of those listed above.

MAJOR PROGRAMME IN ECONOMICS AND COMMERCE

Please refer to "Commerce and Economics"

MAJOR PROGRAMME IN ECONOMICS AND POLITICAL SCIENCE

Supervisors of Studies: D.E.Moggridge, M.W.Donnelly

Six full course equivalents are required in each of the two disciplines. The specific courses required are listed below. In addition, mention is made of courses in other disciplines that complement the major programme. Any student interested in the programme should consult the Supervisor of Studies in Economics or Political Science by the end of his/her first year.

Required courses in Economics:

ECOA01Y
ECOB01F/S
ECOB05F/S, ECOB06S
ECOB31S, ECOB32F
ECOB35S

Recommended courses: (at least one from each of A, B, and C)

A: ECOB20F or ECOB21S or ECOC05S or ECOC07F
B: ECOB68F or ECOB66F
C: ECOB11F/S or MATB52F and B57S

Required courses in Political Science:

POLA01Y
POLB06Y or POLB03Y
POLB02F/S or POLB05Y or POLB35Y

Also, three courses from at least two of the categories A, B, C, D below. Alternative courses in political theory or Canadian government may be acceptable if chosen in conjunction with the Supervisor of Studies.

A: POLB10Y or POLB40Y or POLC08Y
B: POLB18Y or POLB23Y or POLB26Y
C: POLB12Y or POLB17Y or POLB33Y or POLB38Y
D: POLB30Y or POLB24Y

Related courses in other disciplines:

MATA22Y or MATA26Y, CSCA56F, COMA01Y

ECOA01Y Introduction to Economics

Course description: A study of economic theory and its application to contemporary Canadian economic problems. Problems discussed will include: unemployment, inflation, pollution, poverty, monopoly.

Instructors: Staff

Sessions: Winter Day
Winter Evening, Summer Evening

Content: The first term covers Microeconomics, the study of individual markets (for particular goods or services). We then proceed to consider how markets function in the presence of perfect competition, monopoly, and imperfect competition. Labour markets and unions are examined. The rationale for government intervention into individual markets is considered. Lastly, issues of poverty and the distribution of income are examined. The second term covers Macroeconomics, the study of the economy as a unit. We study national income accounting, how the actual level of either GNP or employment is determined. The influence of fiscal policies (changes in government spending or taxes) and of monetary policies on depressed economies is analyzed. Inflation and its control is discussed throughout as a related problem.

Teaching Method: 3 one-hour lectures each week plus tutorials.

Evaluation: Evaluation will be a mixture of final examination, term tests, papers and assignments, the details to be announced by the instructor at the beginning of the course.

ECOB01F Price Theory I

Prerequisite: ECOA01

Course description: Intermediate level development of the principles of microeconomic theory. The primary emphasis is on static partial equilibrium analysis. Topics include theory of the consumer, theory of production, theory of the firm.

Instructors: Staff

Sessions: Winter Day
Winter Evening, Summer Day

Content: Basic tools of microeconomic analysis. Material in this course is the basis for most other courses in economics. Topics include consumer demand analysis, production theory, theory of the firm.

Teaching method: Three hours per week.

Evaluation: Evaluation will be a mixture of final examination, term tests, papers and assignments, the details to be announced by the instructor at the beginning of the course.

ECOB02S Price Theory II

Prerequisite: ECOB01

Course description: A continuation of Price Theory I and includes theories of perfect competition, market imperfections, factor prices, general equilibrium analysis and welfare economics.

Instructors: Staff Sessions: Winter Day
Summer Day, Winter Evening

Content: Continuation of ECOB01. Covers market structure, welfare economics, problems of monopoly, market failure and so on.

Teaching Method: Three hours per week.

Evaluation: Evaluation will be a mixture of final examination, term tests, papers and assignments, the details to be announced by the instructor at the beginning of the course.

ECOB05F National Income and the National Economy

Prerequisite: ECOA01

Course description: An exposition of macroeconomic theory with detailed discussion of the theory of output, employment, and the price level, and of techniques for achieving economic stability. There is also some discussion of Canadian financial institutions and markets, and of the interrelationship between international exchanges and the domestic price level and employment.

Instructors: Staff Sessions: Winter Day
Winter Evening, Summer Day

Content: Among other topics: fiscal models, interest rate theory, monetary models, prices and employment, inflation, international finance, economic growth.

Teaching Method: 3 hours of class time per week.

Evaluation: Evaluation will be a mixture of final examinations, term tests, papers and assignments, the details to be announced by the instructor at the beginning of the course.

ECOB06S Macroeconomic Policy

Prerequisite: ECOB05

Course description: An examination of public policies for influencing and controlling the level of national income, employment, and the price level.

Instructors: Staff Sessions: Winter Day
Winter Evening
Summer Evening

Content: Monetary and fiscal policy in an open economy: inflation and unemployment, wage and price controls; stabilization policies; debt management policies; exchange rate policies and the balance of payments.

Teaching Method: 3 hours per week.

Evaluation: Evaluation will be a mixture of final examinations, term tests, papers and assignments, the details to be announced by the instructor at the beginning of the course.

ECOB08S Money and Banking

Prerequisite: ECOB01, ECOB05

Course description: The focus will be on analysis of monetary theory and monetary policy.

Instructor: T.B.A. Session: Winter Day

Content: Topics include financial markets and instruments, demand for money, theory of monetary policy, determinants of the money supply, competition and efficiency in the financial sector.

Teaching method: Two lectures per week.

Evaluation: Evaluation will be a mixture of final examinations, term tests, papers and assignments, the details to be announced by the instructor at the beginning of the course.

ECOB11F and S — Quantitative Methods in Economics

Exclusion: ANTB43; GGRB02; PSYB07
Note: MATB52 should not be taken prior to or at the same time as ECOB11.

Prerequisite: ECOA01

Course description: An introduction to basic statistical methods and their applications to economic problems.

Instructors: Staff — Sessions: Winter Day, Winter Evening

Content: Probability Theory, Estimation, Hypothesis Testing, Regression.

Teaching Method: Two lectures per week. One hour of tutorial every two weeks.

Evaluation: Evaluation will be a mixture of final examinations, term tests, papers and assignments, the details to be announced by the instructor at the beginning of the course.

ECOB12S — Quantitative Methods in Economics: Applications

Prerequisite: ECOB11; CSCA56 or CSCA58

Course description: A continuation of ECOB11 for students interested in applications of quantitative methods. Topics to be covered are statistical decision theory, multiple regression analysis and input-output tables. Calculus is strongly recommended.

Instructor: Staff — Session: Winter Day

Content: See course description above.

Teaching Method: Lectures, tutorials.

Evaluation: Evaluation will be a mixture of final examinations, term tests, papers and assignments, the details to be announced by the instructor at the beginning of the course.

ECOB20F — Literature of Political Economy

Prerequisite: ECOA01

Corequisite: ECOB01

Course description: A study of the classical literature of Political Economy; especially selections from the works of Adam Smith, Malthus, Ricardo, J.S. Mill.

Instructor: V.W. Bladen — Session: Winter Day

Content: Most graduate schools require students to have studied or to study the history of economic thought but generally accept an undergraduate course. If both parts are taken they would generally be accepted for this purpose: it is unlikely that a half course would be acceptable or a grade less than B+.

Teaching Method: Two informal lecture periods per week.

Evaluation: Two short essays (1200 words) are required plus a final exam for each course. The mark is based on the final exam, modified by reference to the essays. A student may learn much from the criticism of two poor essays and end up with a high final mark. But as a check on the final performance reference to the essay work and participation in class may prevent injustice if the student is unable to demonstrate his quality in that particular examination. The examination is not intended to find out what the student does not know, or has not done, but to find out what he can do with what he does know.

ECOB21S — Literature of Political Economy II

Prerequisite: ECOA01 ; ECOB01

Course description: A study of classical literature of Political Economy; especially selections from the works of Marx, Jevons, Marshall and Keynes.

Instructor: V.W. Bladen — Session: Winter Day

Content: See ECOB20F

Teaching Method: See ECOB20F.

Evaluation: See ECOB20F

ECOB31S — Economics of the Public Sector: Taxation

Prerequisite: ECOB01

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

Instructor: M.W. Bucovetsky — Session: Winter Day

Content: The approach is partly analytical and partly descriptive. General subjects covered include the Canadian background, principles of taxation, income support programs and stabilization policy. Specific taxes on income, consumption and wealth will be analyzed in detail.

Teaching Method: Three hours of lectures a week.

Evaluation: Evaluation will be a mixture of final examinations, term tests, papers and assignments, the details to be announced by the instructor at the beginning of the course.

ECOB32F Economics of the Public Sector: Expenditures

Prerequisite: ECOB01

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

Instructor: M.W. Bucovetsky Session: Winter Day

Content: The dimensions, growth and composition of government budgets are described. The rationale for government expenditures and criteria for evaluating public projects are then subjected to economic analysis. Illustration is made from contemporary issues of Canadian public policy.

Teaching Method: Three hours of lectures a week.

Evaluation: Evaluation will be a mixture of final examination, term tests, papers and assignments, the details to be announced by the instructor at the beginning of the course.

ECOB41S Industrial Organization

Prerequisite: ECOB01

Course description: The economics of the firm in a market environment. The aim is to study business behaviour and public policy with respect to advertising, concentration, competition, rate-setting, etc.

Instructor: T.B.A. Session: Winter Day

Content: A three-fold approach is taken using theoretical models, institutional description and the results of empirical investigation to demonstrate how variations in the market environment affect the performance of industries.

Teaching Method: Two hours of lectures a week.

Evaluation: Evaluation will be a mixture of final examinations, term tests, papers and assignments, the details to be announced by the instructor at the beginning of the course.

ECOB45F Poverty and Income Distribution

Prerequisite: ECOB01

Course description: A study of alternative theories of income distribution with application to poverty and income distribution in Canada. Includes an analysis of the impact of alternative income maintenance schemes such as welfare, negative income taxes, wage subsidies, unemployment insurance, minimum wages, human resource development and public expenditures, taxes and subsidies, as well as the impact of aggregate demand policies on the distribution of income.

Instructor: M. Gunderson Session: Winter Day

Content: Income distribution as a goal, types of income distribution, measuring poverty and income inequality, time pattern of poverty and income distribution, international comparisons of income distribution, characteristics of the poor, government policies that affect income distribution, evaluating income redistribution policies, expansionary aggregate demand: inflation, unemployment and the poor, wage-price guidelines and income distribution, alternative theories of income determination and distribution, work incentive effects of alternative income maintenance programs, etc.

Teaching Method: Basically a lecture course due to the large class size. 2 hours of lectures per week. Most of the analytical and theoretical work will be covered in lectures and some readings.

Evaluation: Evaluation will be a mixture of final examinations, term tests, papers and assignments, the details to be announced by the instructor at the beginning of the course.

ECOB47S Urban Economics

Prerequisite: ECOA01

Course description: Economic analysis is applied to contemporary urban problems. Topics discussed include: housing and urban renewal, poverty and income maintenance, education, metropolitan organization of urban areas.

Instructor: M. Krashinsky Session: Winter Day

Content: This is a course in economic theory and its applications. Articles discuss the theory of urban economics and draw examples from the U.S., Canada, and occasionally other countries.

Teaching Method: Lectures and discussion.

Evaluation: Evaluation will be a mixture of final examinations, term tests, papers and assignments, the details to be announced by the instructor at the beginning of the course.

ECOB51S Labour Economics

Prerequisite: ECOB01

Course description: The course is designed to apply the basic tools of labour economics to various policy issues such as: fertility and family formation; labour force participation; hours of work, overtime and moonlighting; mobility and migration; the effect of market structures on the wage-employment decision; the role of wage structures; causes, types and incidence of unemployment; wage-price guidelines and the wage-price-employment trade-offs; the impact of institutional constraints such as unions, featherbedding, minimum wages, wage parity, sex discrimination, occupational licencing, unemployment insurance, wage subsidies and negative unions tax plans.

Instructor: M. Gunderson Session: Winter Day

Content: Methodology of labour market economics, economic theory of fertility and family formation, labour force participation rate theory, hours of work, work-leisure choice, labour demand, market structure and its effect on wage-employment determination, wages and wage structure, etc.

Teaching Method: Basically a lecture course due to large class size with 2 hours of lectures per week.

Evaluation: Evaluation will be a mixture of final examinations, term tests, papers and assignments, the details to be announced by the instructor at the beginning of the course.

ECOB61S International Economics: Finance

Prerequisite: ECOB05

Course description: Balance of payments, equilibrium and departures from it. A study of various international monetary arrangements; flexible rates; the gold standard and the dollar standard; current efforts to reform the system. The economics of international investment and its control. The effects of international investment.

Instructor: D.E. Moggridge Session: Winter Day

Content: We begin by examining the operations of the three "systems"- the Gold Standard, the post-1946 IMF Dollar Standard; and the regime of Floating Rates adopted rather generally to 1971, considering carefully how they deal with such stresses as Balance of Payments Disequilibrium or an episode of Inflation or Depression in one country; how they respond to changes in the demand for International Reserves; and so on. We also devote attention to a number of "policy issues".

Teaching Method: 2 lectures a week, with as much discussion as possible.

Evaluation: Evaluation will be a mixture of final examinations, term tests, papers and assignments, the details to be announced by the instructor at the beginning of the course.

ECOB62F International Economics: Trade Theory

Prerequisite: ECOB01

Course description: An analysis of the factors on which a country's trade with other countries is based and the welfare implications of this trade. "Free trade" and protectionism. The optimum tariff; trade blocs; the economics of customs unions and regional economic integration. Canada and the development of the European Economic Community tariff bargaining. The Canada-U.S. Auto Pact.

Instructor: A. Berry Session: Winter Day

Content: Empirical patterns of modern international trade; alternative theories of international trade; theory of comparative advantage protective policy; customs unions; multinational corporations.

Teaching Method: Two lectures per week.

Evaluation: Evaluation will be a mixture of final examinations, term tests, papers and assignments, the details to be announced by the instructor at the beginning of the course.

ECOB66F Economic Development

Prerequisite: ECOA01
Corequisite: ECOB01

Course description: A study of growth and development with the aim of devising policies to promote the development of less developed countries and regions. Topics include the role of international trade and investment in developing countries, the problem of population growth and unemployment, inequalities in income distribution, the roles of agriculture and industry.

Instructor: A. Berry Session: Winter Day

Teaching Method: Lectures

Evaluation: Evaluation will be a mixture of final examinations, term tests, papers and assignments, the details to be announced by the instructor at the beginning of the course.

ECOB68S Comparative Economic Systems

Prerequisite: ECOB01

Course description: A course designed to introduce students to alternative ways of organizing economic activities - allocating resources, distributing income, accumulating capital. Part of the time will be spent examining these alternatives from a theoretical perspective; the rest will be devoted to studies of particular economies, especially Canada, the Soviet Union and Yugoslavia.

Instructor: J.S.Cohen Session: Winter Day

Content: As above.

Teaching Method: Lectures and discussion.

Evaluation: Evaluation will be a mixture of final examinations, term tests, papers and assignments, the details to be announced by the instructor at the beginning of the course.

ECOB81Y North American Economic History

Prerequisite: ECOA01

Course description: 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, and urbanization, and the relationship of the state of economic change in the two countries.

Instructor: D.E. Moggridge Session: Winter Day

Content: After a discussion of the factors behind the expansion of Europe to North America the course develops by looking at economic activity and change on a continental and a national basis within the following periods: origins to 1660, 1660-1790, 1860-1914, 1914-1939. Within each period, the emphasis is less on the provision of general background information available in the texts, than on the discussion of particular topics.

Teaching Method: Two lectures per week.

Evaluation: Evaluation will be a mixture of final examinations, term tests, papers and assignments, the details to be announced by the instructor at the beginning of the course.

ECOB82Y European Economic History

Prerequisite: ECOA01

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

Instructor: J.S. Cohen Session: Winter Day

Content: Among other topics enclosures and the rise of capitalist agriculture; mercantilism and commercial conflicts in 17th century Europe; the industrial revolution and rise of factories; labour movements; imperialism; finance and industrialization; agrarian Europe; late Victorian retardation.

Teaching Method: Lectures and discussion.

Evaluation: Evaluation will be a mixture of final examinations, term tests, papers and assignments, the details to be announced by the instructor at the beginning of the course.

ECOC07F The Economics of Karl Marx

Exclusion: (ECOB05)
Prerequisite: ECOB01

Course description: A study of Marx's approach to economic theory and economic history. Discussion will centre on Marx's theory of capitalism and will emphasize the theory of exploitation and the process of accumulation.

Instructor: J.S. Cohen Session: Winter Day

Content: Course will cover the labour money of value, exploitation, problems of realization, the falling rate of profit, the transformation problem and so on.

Teaching Method: Lecture and discussion.

Evaluation: Evaluation will be a mixture of final examinations, term tests, papers and assignments, the details to be announced by the instructor at the beginning of the course.

ECOC11F Supervised Reading

Prerequisite: Permission of instructor

Instructors: Faculty in Economics Sessions: Winter Day
Winter Evening, Summer Day

Content: To be worked out by the student and his faculty supervisor.

Teaching Method: Tutorials set up to meet every other week or so to discuss readings and the student's essays.

Evaluation: Generally a series of essays.

ECOC12S Supervised Reading

Prerequisite: Permission of Instructor

Instructors: Faculty in Economics Sessions: Winter Day
Winter Evening, Summer Day

Content: To be worked out by the student and his faculty supervisor.

Teaching Method: Tutorials set up to meet every other week or so to discuss readings and the student's essays.

Evaluation: Generally a series of essays.

ECOC13F — Advanced Microeconomic Theory

Prerequisites: ECOBO2; ECOBO5; ECOB11; MATA22 or MATA26 or MATA55

Course description: An upper level extension of the ideas studied in ECOBO2S. The course offers a more sophisticated treatment of such topics as equilibrium, welfare economics, theories of the firm, linear programming, income distribution, risk and uncertainty.

Instructor: J.L. Scadding — Sessions: Winter Day, Winter Evening

Content: Topics to be covered include general equilibrium, welfare economics, linear production theory, problems of risk, uncertainty, information and so on.

Teaching Method: Lectures and class discussion.

Evaluation: Evaluation will be a mixture of final examination, term tests, papers and assignments, the details to be announced by the instructor at the beginning of the course.

ECOC14S — Advanced Macroeconomic Theory

Prerequisites: ECOBO2, ECOBO6 or ECOBO8, ECOB11, MATA22 or MATA26 or MATA55

Course description: Post-Keynesian developments in macroeconomic (including monetary) theory; empirical testing or Keynesian and post-Keynesian macroeconomic theories and the uses of macroeconometric models.

Instructor: S. Howson — Session: Winter Day

Teaching Method: Lectures and class discussion.

Evaluation: Evaluation will be a mixture of final examinations, term tests, papers and assignments, the details to be announced by the instructor at the beginning of the course.

ECOC15F and ECOC16S — Topics in Advanced Economic Theory

Prerequisites: ECOC13 or ECOC14 or permission of instructor

Course description: These courses are devoted to some aspect of economic theory not usually covered at the undergraduate level, or to recent work extending or revising receiving theory, or to alternatives to orthodox economic theory.

Instructors: T.B.A. — Sessions: ECOC15F Winter Day, Winter Evening; ECOC16S Winter Day

Content: The content of these courses changes with the instructor and with new developments in economic analysis. In the past, topics have included capital theory, risk and uncertainty, growth theory, etc. An attempt will be made to circulate during spring registration more precise information on content for the coming year.

Teaching Method: Seminar/group discussion - 2 hours once a week.

Evaluation: Evaluation will be a mixture of final examinations, term tests, papers and assignments, the details to be announced by the instructor at the beginning of the course.

ECOC17F, ECOC18S, ECOC19F and ECOC20S — Workshop in Economics

Prequisites: ECOB01; ECOB02; ECOB05; ECOB06; MATA22 or MATA26 or MATA55. For ECOC19F and C20S ECOC13 or C14 will be a prerequisite.

Course Description: The problems to which the individual workshops will be devoted will be announced during the spring registration period. They may be chosen from among: economic discrimination; Canada-U.S. relative price levels; international capital movements; natural resources policy for Canada; monetary and fiscal policy in an open economy; urban transportation.

Instructors: T.B.A. — Session: Winter Day, Winter Evening

Content: Varies with instructor. This year topics will include resources, markets and firms, and so on. Details should be available for registration.

Teaching Method: Seminar format - class discussions, student presentations.

Evaluation: Evaluation will be a mixture of final examinations, term tests, papers and assignments, the details to be announced by the instructor at the beginning of the course.

ECONOMICS COURSES NOT OFFERED 1978-79

ECOB35F/S Public Decision Making
Prerequisite: ECOA01

ECOC05F/S The Economics of J.M. Keynes
Prerequisite: ECOB05 and ECOB06 or ECOB08

ECOC08F/S Econometrics
Prerequisites: ECOA01; ECOB01; ECOB05; (ECOA02); ECOB11 (or an equivalent course in statistics).

English

Discipline Representative: John Kay

English Studies encompasses English, Canadian and American Literatures and, to a limited extent, other literatures in English. Emphasis is placed on close responsive critical reading, clarity of expression, and the development of the powers of criticism and judgment.

Students who intend to specialize in English at Scarborough may take either the Specialist Certificate of the Department of English or the Scarborough Major Programme in English. The requirements for both are given below.
Note to First Year Students. A-level courses in English are designed to provide a basic training in literary criticism. For those who want a more general course in English the following B-level courses are available without prerequisite: B07, B08; B10; B11; B14; B15.

MAJOR PROGRAMMES IN ENGLISH

Supervisor of Studies: J. Kay

The student majoring in English must take at least ten and not more than fifteen courses in English in a twenty-course degree programme. One course should be taken from each of the following categories:

(1) ENGA04Y or ENGA08Y
(2) ENGB01Y or ENGB02Y
(3) ENGB09Y
(4) ENGB10Y or ENGB12Y
(5) ENGB04Y or ENGB17Y
(6) ENGB05Y or ENGB06Y
(7) One of ENGC01Y, ENGC03Y, ENGC04Y, ENGC05Y, ENGC06Y, ENGC08Y, ENGC14Y, ENGC15Y, ENGC24Y, JHEC13Y

Students are encouraged to focus their attention on an aspect of English literature by taking one of the following course clusters or another grouping chosen in consultation with a faculty adviser: ENGB01/C01/C03; ENGB09/B10/B12/C04 ENGB04/B17/C05; ENGB05/B06/B16/C06; ENGB31/32/33; ENGB15/B05/B06/B32· ENGB10/B11/B12/B13/B31; ENGB14/B17/B16/B33; ENGB07/B13/B25/B26/B27/C27· ENGB08/B24/C24; ENGB28/B29.

SPECIALIST CERTIFICATE OF THE DEPARTMENT OF ENGLISH

Students may also choose to take at Scarborough College the Specialist Programme offered by the University Department of English, which requires at least ten and not more than fifteen courses in English in a twenty-course degree programme, including one course from each of the following categories:

(1) ENGA04Y or ENGA08Y or ENGB15Y
(2) ENGB01Y or ENGB02Y or ENGC01Y or ENGC03Y
(3) ENGB09Y or ENGC04Y
(4) ENGB10Y or ENGB12Y
(5) ENGB33Y or ENGB31Y or ENGB32Y or ENGC08Y
(6) ENGB04Y or ENGC05Y
(7) ENGB05Y or ENGB06Y or ENGC06Y
(8) ENGB17Y or ENGB16Y
(9) ENGB07Y or ENGB08Y or ENGB24Y or ENGB26Y or ENGB27Y or ENGC24Y
(10) ENGC03Y or ENGC04Y or ENGC05Y or ENGC06Y or ENGC08Y or ENGC14Y or ENGC15Y or JHEC13Y

MAJOR PROGRAMME IN ENGLISH AND CLASSICS

Supervisor of Studies: J. Kay

Twelve courses made up in the following manner:

A. (1) One of: ENGC03Y: Studies in Middle English and Literature
ENGB02Y: Chaucer
ENGB09Y: Prose and Poetry of the English Renaissance

(2) One of: ENGC04Y: Studies in Renaissance Literature
ENGB10Y: Shakespeare
ENGB12Y: English Drama to 1642

(3) One of: ENGB04Y: English Poetry, Prose and Drama 1600-1800
ENGC05Y: Studies in Restoration and Eighteenth Century Literature

(4) One of: ENGB05Y: Romantic Literature
ENGB32Y: Modern Poetry
ENGC08Y: Studies in Twentieth Century Literature

B. Four courses in Classical Languages, at least three at B level

C. (1) One of: JHEC13Y: A seminar in Literary Theory and Practice
HUMB08Y: Orpheus

(2) One of: ENGC14Y: Senior Essay
LATC01/2: Independent Studies

(The student's topic is subject to approval of the Supervisor of Studies and should bring together and integrate material from both disciplines)

D. Two further courses to be chosen from:

Courses offered in English, Latin, Greek
and
CLAB01Y: Greek and Roman Epic
CLAB02Y: Greek and Roman Tragedy
DRAB05Y: The Art and Nature of Comedy
HUMB07F/S: The Ulysses Factor

ENGA04Y English Literature: Forms and Approaches

Course Description: An introduction to the study of literature. Emphasis is placed upon the understanding and use of critical terminology.

Instructors: The Staff in English
Course Chairman: E.P. Vicari

Session: Winter Day
Winter Evening
Summer Evening

Content: A variety of works will be read representing four major kinds of literary art, the short story, play, poem and novel. Inquiry will be directed into the nature of art and of imaginative literature as a form of art, and into the ways in which such art may be analyzed and critically discussed. There will also be instruction in the writing of critical essays and in using the basic tools of literary scholarship.

Teaching Methods: These may vary from section to section, but will include formal instruction and discussion. Regular attendance is required.

Evaluation: Written essays (a total of 7,500 - 10,000 words) Participation in discussion. 3-hour final examination.

ENGA08Y Forms of Twentieth-Century Literature

Course description: An introduction to twentieth-century literature through the work of influential novelists, poets and dramatists.

Instructors: The Staff in English
Course Chairman: A.C. Thomas

Session: Winter Day
Winter Evg.

Content: At least three prose works to be selected from the following: Joyce, A Portrait of the Artist as a Young Man, Conrad, Lord Jim, Lawrence, Sons and Lovers (or short stories), Faulkner, The Sound and the Fury, Steinbeck, The Grapes of Wrath, Scott Fitzgerald, The Great Gatsby, Woolf, To the Lighthouse. The work of at least three poets, to be selected from Yeats, Eliot, Pound, Auden and Frost (in Modern Poems, ed. Ellman and O'Clair). Plays by three of the following: Shaw, O'Neill, Synge, Beckett, Albee, Pinter.

Teaching: Classes of about thirty students.

Evaluation: Four essays (or equivalent); term tests; class participation; final exam.

ENGB01Y Old English Language and Literature

Course description: An introduction to the language and literature of the Old English period as represented principally in the poetry and prose of the ninth and tenth centuries. The first term will be used to develop fluency in reading the language, concentrating on the grammar and syntax of various pieces of prose and poetry. The second term will be devoted to the study of poems selected from the Exeter Book.

Instructor: A.J.G. Patenall Session: Winter Day

Teaching Method: Three hours of cooperative workshop each week. Students will be expected to prepare work for these meetings.

Bibliography: J.C. Pope, ed. Seven Old English Poems
AElfric, Lives of Three English Saints
Quirk and Wren, An Old English Grammar

Evaluation: Periodic tests throughout the year. Two-thirds of the test scores are derived from tests in March.

ENGB02Y Chaucer

Prerequisite: One course in English

Course description: A study of most of the Canterbury Tales, The Book of the Duchess, The House of Fame, The Parliament of Fowls, the Prologue to the Legend of Good Women, Troilus and Criseyde, Selected Lyrics. Background readings: Roman de la Rose, Consolation of Philosophy (in translation). Part of the course will be devoted to Middle English language and the development of English. Texts: F.N. Robinson, ed. The Works of Chaucer, Wright, An Elementary Middle English Grammar.

Instructor: E.P. Vicari Session: Winter Day

Content: Chaucer's poems are studied mainly as artistic productions, but also in relation to their historical and intellectual backgrounds. The texts will be read in Middle English and some language study is involved.

Teaching Method: Lecture-discussions and seminars.

Evaluation:
3 2,750-word essays
2 oral presentations or the equivalent
2 1-hr. translation and language tests

ENGB04Y English Poetry, Prose and Drama 1660-1800

Prerequisite: One course in English

Course Description: The poetry, prose and drama of the Restoration and Eighteenth Century with special reference to the work of Dryden, Pope, Swift, and Johnson.

Instructor: H. Jackson Session: Winter Day

Teaching Method: Discussion, with introductory monologues.

Bibliography: Tillotson, Fussell, and Waingrow, eds., Eighteenth-Century English Literature. Additional reading to be assigned.

Evaluation: One or two short essays and one longer essay each term; Christmas test; final exam.

ENGB05Y Romantic Poetry

Prerequisite: One course in English

Course description: Blake, Wordsworth, Coleridge, Byron, Shelley, Keats for special study. Relevant prose works by these authors, and selections from other poets of the period, will also be studied.

Instructor: H. Jackson Session: Winter Day

Objectives: To introduce students to the poetry of one of the richest periods in English literature, and to set the poetry in a political and philosophical context; to improve the quality of each student's reading of poetry in general, and of poetry of the Romantic period in particular.

Teaching Method: Discussion, with introductory monologues.

Evaluation: One or two 1000-word essays and one longer essay each term; final exam.

Additional Comments: Slow readers are encouraged to take a head start by reading some of the longer works--Scott's Lady of the Lake, Wordsworth's Prelude, Coleridge's prose Biographia Literaria, for the first term--before the beginning of classes.

Reading List: Available in R-5111A.

ENGB06Y Victorian Poetry

Prerequisite: One course in English

Course description: The poetry of Tennyson, Browning, Arnold, and selections from other poets, including Morris, D.G. Rossetti, Swinburne, Hopkins, Hardy.

Instructor: TBA Session: Winter Day

Further information will be available later in R5111A.

ENGB07Y Canadian Literature in English: An Introduction

Course description: A study of a wide range of Canadian literature, including works by novelists, such as Callaghan, MacLennan, Laurence, Grove, Davies, Buckler; poets, such as Lampman, D.C. Scott, Klein, Pratt, Birney, Avison, Atwood; playwrights such as Ryga, writers of short stories and non-fiction prose.

Exclusion: ENGA05

Instructor: J.M.R. Margeson Session: Winter Day

Content: The study of Canadian Literature in English will be mainly historical, from early times to the present, though attention will be paid also to important genres and to individual writers of more than historical interest. An attempt will be made to relate the development of fiction, poetry, and drama to the history of Canada and the particular kinds of self-consciousness evident in different periods.

Teaching method and evaluation: Lectures, discussion periods, and tutorials. Evaluation will be based on written essays, oral reports, and a final examination.

Texts: Klinck and Watters, Canadian Anthology (3rd ed.), and other texts (novels and plays) to be announced.)

ENGB08Y American Literature: An Introduction

Course description: A study of at least twelve major works in American literature including the following: Melville, Moby Dick; Twain, Huckleberry Finn; Hawthorne, The Scarlet Letter; Whitman, Selected Poems. Exclusion: ENGA06

Instructor: J. Kay Session: Winter Day

Content: A survey of American Literature from its beginnings to the 20th century. An anthology will be used to provide backgrounds and contexts. Emphasis will be placed on representative works of the following: Melville, Hawthorne, Twain, Thoreau, Whitman, Faulkner.

Teaching Method: Lectures two hours a week with questions and discussions.

Evaluation: Two papers and final examination.

ENGB09Y Prose and Poetry of the English Renaissance 1500-1660

Prerequisite: One course in English

Course Description: This course will explore the nondramatic literature of the English Renaissance. The first half of the course will be concerned with the age of Elizabethan optimism and expansion and with the central literary figures of Shakespeare, Spenser and Sidney. The second half will cover the later Renaissance, the seventeenth century, with its pivotal figure, Milton. Topics to be discussed include: humanism, the reformation, neo-platonism, Tudor nationalism, the rise of the scientific attitude, art and politics, the many literary genres which flourished in this period, the development of prose style and shifts in the purpose and practice of poetry. Detailed work on individual selection will be stressed in the seminars.

Instructor: T.B.A. Session: Winter Day

Further information will be available later in R5111A.

ENGB10Y Shakespeare

Course description: A study of at least eleven plays

Exclusions: ENGA02Y .

Instructor: A.J.G. Patenall Session: Winter Evening

Content: The lectures develop a structural approach to Shakespeare. They do not pretend to offer a comprehensive view of the plays, nor to provide an objective survey of ways in which Shakespeare may be approached. Instead the lectures will expose the lecturer's own aesthetic and critical prejudices. These will be challenged and questioned in seminar.

Teaching Method: Two hours of formal lecture, and one hour of participatory seminar in groups of fifteen.

Bibliography: King Lear; Hamlet; Antony and Cleopatra, Romeo and Juliet; Twelfth Night; A Midsummer Night's Dream; The Tempest; The Merchant of Venice; As You Like It; Richard II; I Henry IV; II Henry IV Henry V; Frye, A Natural Perspective.

Evaluation: 6000 to 7500 words in essays; participation in seminar; two 90 minute tests, one in December and one in April.

ENGB11Y Varieties of Drama

Course Description: An introduction to a wide range of dramatic kinds. By Christmas the student will be observing and discussing, in reasonably sophisticated terms, the modes of tragedy and comedy and their varieties; by Spring the discussion will have moved, through social drama, to tragi-comedy, old and new.

Instructor: Karlheinz Theil Session: Winter Day

Content: Sophocles, Oedipus Rex, Antigone; Anouilh, Antigone; Aristophanes, Lysistrata; Ionesco, The Bald Soprano; Anon., Everyman; Marlowe, Doctor Faustus; Shakespeare, King Lear, As You Like It; Jonson, Volpone; Sheridan, The School for Scandal; Ibsen, The Wild Duck; Checkhov, Uncle Vanya; Shaw, Saint Joan; Brecht, The Life of Galileo; Miller, Death of a Salesman; Synge, The Playboy of the Western World; Beckett, Waiting for Godot; Pinter, The Homecoming. Additional reading: Aristotle, Poetico.

Teaching Method: Two lectures a week; tutorials may be introduced if the enrolment warrants it.

Evaluation: One essay (about 2,000 words) and two tests each term.

ENGB12Y English Drama to 1642

Prerequisite: One course in English

Course description: A historical study of English drama from its beginning in medieval religious plays through the full flowering of Elizabethan and Jacobean tragedy and comedy to the closing of the theatres in 1642.

Instructor: J.M.R. Margeson Session: Winter Day

Content: Main emphasis will lie upon the plays:
examples of medieval English drama in modernized texts, early comedy and tragedy, especially Marlowe, a selected group of Shakespeare's plays, and the comedies and tragedies of his contemporaries and successors, Ben Jonson, Webster, Middleton, and Ford. There will also be a study of staging techniques from medieval times to the great popular theatres of the Elizabethans and the private theatres of the Jacobeans.

Teaching method and evaluation: There will be lectures, discussion periods, play-readings, and if interest warrants, productions of a short play or scenes from plays. Evaluation will be based on 2 major essays, 2 in-class reading tests, and 2 tutorial presentations or participation in readings and productions.

Texts:
Shakespeare: Comedy of Errors, Love's Labour Lost, Richard III, Much Ado About Nothing, Measure for Measure, Othello, The Winter's Tale. Other texts to be announced.

ENGB14Y Varieties of Fiction

Course description: An analytical study of prose fiction from various periods, aiming to develop a familiarity with the varieties of prose fiction and a capacity for reading individual works critically.

Instructor: M. Creelman Session: Winter Evening

Further information will be available later in R5111A.

ENGB15Y English Poetry

Course description: A comparative study of forms, modes, themes, and styles of poetry from a number of historical periods.

Instructor: Alan Thomas Session: Winter Day

Content: A variety of poetic forms will be considered including the dramatic monologue, the ballad, the sonnet, the visionary lyric, and the poetry of wit and satire. Although study of biographical and historical backgrounds is an aspect of this course, emphasis is upon a close reading of individual poems.

Teaching Method: Seminar discussion.

Evaluation: 2 essays
2 class tests

Text: The Norton Anthology of Poetry. Shorter edition (revised), (eds. Allison, Barrows, Blake, Carr, Eastman, English)

Bibliography. Brooks and Warren, Understanding Poetry.

ENGB16Y Fiction 1832-1900

Prerequisite: One course in English

Course Description: Intermediate level, part of the English Major programme; accessible to all students from other disciplines with an interest in the period or the form of the novel.

Instructor: Alan Thomas Session: Winter Day

Objective: to provide an understanding of the English novel at one of its most assured and fruitful periods of creation.

Content: C. Bronte, Jane Eyre; E. Bronte, Wuthering Heights; Dickens Hard Times, Great Expectations; Thackeray, Vanity Fair; G. Eliot, Middlemarch; Hardy, Far from the Madding Crowd, Jude the Obsoure; Conrad, The Secret Agent, G. Moore, Esther Waters. Students should try to read as many books as possible before the course begins. Additional reading: Young, Victorian England; Houghton, The Victorian Frame of Mind; Fowles, The French Lieutenant's Woman (a modern "Victorian" novel).

Teaching Method: Two lectures a week with class discussion; tutorials, in addition, if the enrolment is large.

Evaluation: One 2000 word essay each term; first-term test; final exam.

ENGB16Y Fiction 1832-1900

Prerequisite: One course in English

Course description: Intermediate level, part of the English Major programme; accessible to all students from other disciplines with an interest in the period or the form of the novel.

Instructor: David Nimmo Session: Summer Evening

Objective: to provide an understanding of the English novel at one of its most assured and fruitful periods of creation.

Content: E. Bronte, Wuthering Heights; Thackeray, Vanity Fair; Dickens, Hard Times, Great Expectations; G. Eliot, Adam Bede; Carroll, Alice in Wonderland; Hardy, Far From the Madding Crowd, Jude the Obscure; Butler, The Way of All Flesh; Conrad, Lord Jim, Heart of Darkness. Additional Reading: Young, Victorian England; Houghton, The Victorian Frame of Mind; Buckley, The Victorian Temper.

Teaching Method: Lectures, with the degree of class discussion dependent upon enrolment.

Evaluation: Two essays (total of 3,500 to 4,000 words), and two tests.

ENGB26Y Canadian Poetry in English

Prerequisites: One course in English

Course Description: Poets of the nineteenth and twentieth centuries, including: Lampman, Pratt, F.R. Scott, A.J.M. Smith, Birney, Klein, Avison, Souster, Purday, Atwood.

Instructor: TBA Session: Winter Day

Further information will be available later in R5111A.

ENGB27Y Canadian Fiction in English

Prerequisites: One course in English

Course description: A study of prose fiction in Canada from its beginning to the present.

Instructor: TBA Session: Winter Day

Further information will be available later in R5111A.

ENGB31Y Modern Drama

Prerequisite: One course in English

Course description: A study of developments in English, American, and European drama in the late nineteenth and twentieth century.

Instructor: M.S. Tait Session: Winter Day

Objectives: An appreciation of the main trends in modern drama and theatre.

Content: This course offers a concentrated study of the principal modes of modern theatre from Ibsen to Pinter. Central to the course is a definition of such terms as realism, expressionism, the theatre of the absurd, epic theatre, etc., as these categories may be usefully applied to the work of major modern playwrights.

Teaching Method: Combined lecture and seminar. Three hours a week.

Bibliography:

John Gassner, The Theatre in Our Times, (1954).
Robert Brustein, The Theatre of Revolt, 1964).
Martin Esslin, The Theatre of the Absurd, (1969).

Evaluation:

Two essays, two end of term tests, one class seminar, one short dramatic dialogue written in the style of one of the playwrights studied.

ENGB32Y Modern Poetry

Prerequisite: One course in English

Course Description: The course will explore the modern tradition in 20th century poetry, its beginnings with Yeats, Eliot and Pound and some of its many poetic variations. The interest of the course will focus on the change in poetic theory and practice that took place in the first two decades of this century and on the development of each of the poets studied. In addition, individual poems will be studied in the seminars in greater detail.

Instructor: M.S. Tait Session: Winter Day

Content: The poetry of Yeats, Eliot, Frost, W.C. Williams, D.H. Lawrence and others.

Teaching Method: Lecture and discussion.

Evaluation: Short papers on individual poems, a larger essay each term, a half-year and a year's end test administered in class.

ENGB33Y Fiction 1900-1950

Prerequisite: One of ENGA04, ENGB14, ENGB16, ENGB17, ENGB27

Course Description: An advanced study of twelve novels, with particular attention given to developments in fictional form and in the theory of the novel.

Instructor: K. Theil Session: Winter Day

Content: This course explores the parallel development of new concepts of philosophy and psychology in the twentieth century and new ways of writing novels that reflect such concepts. The analysis of specific novels is directed towards a consideration of several trends in the development of novelistic technique: the emergence of stream-of-consciousness and imagistic structures, subjective time, limited and multiple narrators, and character conceived in terms of myth or of unconscious impulses. The study of such techniques should illuminate the relationship between how a novelist sees his world and how he constructs his fictions.
Teaching Method: Combined lecture and discussion.
Evaluation: Two major essays (2,500 words), several shorter assignments, and a final examination. Class participation is important and will be graded accordingly.
Reading List: Students are asked to read as many of the texts as possible before term.
James, The Ambassadors (Riverside) Ford, The Good Soldier (Vintage
Joyce, A Portrait... (Penguin) Huxley, Point Counter Point (Peng.)
Lawrence, Sons and Lovers (Penguin) Woolf, The Waves (Penguin)
Conrad, Lord Jim (Riverside) Faulkner, Absalom, Absalom! (Mod. Lib.)
A few more texts to be chosen.

ENGC04Y Studies in Renaissance Literature

Prerequisite: Normally "B" Standing in ENGB09 and in two other courses in English.

Course Description: An advanced seminar in the poetry, prose and drama of the English Renaissance. Concentrated study of Spenser and Milton; additional study of Jonson and Donne. Limited enrolment: 15

Instructor: E.P. Vicari Session: Winter Day

Content: Almost all of Spenser's and Milton's poetry and selections from Milton's prose will be read in the context of Renaissance ideas and literary theory. The Apologie for Poetrie by Sir Philip Sidney will serve as a reference text.

Evaluation: Two or three 20-minute oral reports and a 3,750-word essay each term. Contribution to seminar discussion will "count".

Bibliography: John Milton, Complete Poems and Major Prose, ed. Merritt Y. Hughes (New York: Odyssey Press, 1957). Edmund Spenser, Poetical Works, ed. E. de Selincourt (London, Oxford University Press, 1916, repr. 1969).

ENGC06Y Studies in Nineteenth Century Literature

Prerequisites: Three English courses, one of which must be ENGB06 or B17

Course description: Detailed examination of Tennyson, Arnold, Dickens and Hardy.

Instructor: M. Creelman Session: Winter Day

Further information will be available later in R5111A.

ENGC14Y Senior Essay

Prerequisites: Open only to students completing the last five courses for the twenty-course degree who have at least three courses in English, at least one at B-level

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

Content: In this course the student writes a substantial essay on a literary subject under the supervision of a member of staff. It is the responsibility of the student to locate his supervisor, but advice on this matter may be sought from the Discipline Representative. The following deadlines should be observed:

By the last day of Term the previous Spring a brief statement of the area of the project, signed by the Supervisor is to be sent to Professor John Kay.

By November 15th a more specific statement of the project is to be sent to Professor Kay including the exact title of the proposed study, and a short description of its subject and method. After the topic has been approved by the Department, a second reader will be appointed.

ENGC15Y Comprehensive Examinations

Prerequisites: Normally three English courses; at least one at B-level

Course description: English C15Y counts as a full course in the student's programme; It will take the form of a reading course under the direction of an adviser.

Each student will design his course in consultation with his adviser with the following objectives in view: to fill in the critical analysis of poetry and prose, and to define for himself a Special Area for intensive study. In order to facilitate the identification of areas where more reading may be required and of possible areas for special study, a checklist of major authors is made available to students in the February of their Third Year. It is not assumed that the student, when he presents himself for examination, will have achieved complete mastery of all the authors mentioned. On the other hand, the list, despite its apparent length, is selective rather than exhaustive and is therefore not intended to set rigidly prescribed limits on the reading for the course. The student in his fourth year will already be familiar with many of the authors through his work in other courses, and the use he makes of the list during that year (and in the summer preceding it) will depend on his own interests, his previous studies, and discussion with his adviser.

Standing in English C15Y will be determined by three examinations, each of which will be of equal weight with the others.

For information concerning examinations and reading lists see Prof. John Kay.

ENGC19S *The Contemporary Novel in America*

Prerequisites: Normally three English courses, including one course in American Literature. Limited enrolment: 15.

Course Description: A study of developments in the American novel since 1950. Six novelists will be selected from the following: Barth, Barthelme, Bellow, Brantigan, Coover, Dubus, Gass, Gardner, Hawkes, Oates, Pynchon, Roth, Theroux, Welty, Woiwode.

Instructor: J. Kay Session: Winter Day

Objectives: To explore the great variety of attitudes to the novel in America in the 1st twenty-five years. The study will be primarily literary, but some attention will be given to the influence of historical events and to cultural questions such as the concept of counter-culture and adversary culture.

Teaching method: Seminar discussion.

Evaluation: One major class presentation, class participation, and a term test.

ENGC25F William Blake

Prerequisites: Normally three ENG courses, including one of ENGB04 , ENGB05 .

Course description: A study of the illustrated texts of Blake's works from Songs of Innocence to Jerusalem. Limited enrolment: 15.

Instructor: J. Kay Session: Winter Day

Objectives: To study the major poetry of Blake in the context of the illuminated texts; to learn how "to read Blake's pictorial language."

Teaching Method: Seminar discussion.

Evaluation:- One major class presentation, class participation, and a term test.

ENGC27Y Perception and Symbol: Landscape in Canadian Literature

Prerequisites: Three courses in English, or two courses in English and one full course equivalent of:
FREB36 French Canadian Novel to 1945
FREB37 French Canadian Novel since 1945
FARB20 Arts in Canada 1670 to the Present
At least one course at B-level

Course description: A study of various kinds of perception evident in the view of nature and landscape in selected works; the use of landscape as symbol and as the groundwork for myths of escape and transformation. Authors to be studied will include: Howe, Lampman, Roberts, Pratt, Grove, Lowry, Atwood and Birney.

Instructor: J.M.R. Margeson Session: Winter Day

Content: There will be some study of European modes of perception of landscape in painting and poetry, particularly during the 18th century and Romantic era, the development of the "picturesque" school in painting and poetry, and the influence of Ruskin and Turner. However main emphasis will lie upon the use of landscape in Canadian poetry and fiction, in relation to landscape in Canadian painting.

Teaching method and evaluation: This will be a seminar course based upon reports and papers submitted by members of the course. There will be lectures on particular topics, and the close reading of selected texts. Evaluation will be based on the reports and papers of the year's work.

Texts: Howe, Travel Sketches of Nova Scotia, A. Lampman, The Poems of Archibald Lampman; C.G.D. Roberts, Selected Poetry and Critical Prose; Grove, Over Prairie Trails, and other texts to be announced.

Courses not offered in 1978-79:

ENGB13F/S Drama in English Canada: 1920-1970
Prerequisite: One course in English

ENGB17Y Fiction before 1832
Prerequisite: One course in English

ENGB24Y Major American Authors
Prerequisite: One course in English

ENGB25F/S The Canadian Short Story

ENGB28Y Contemporary Literature in English: West Indies, India, Africa and Australia
Prerequisite: One course in English

ENGB29Y African Literature in English
Prerequisite: One course in English

ENGC01Y Advanced Studies in Beowulf and Other Old English Poetry
Prerequisite: ENGB01

ENGC03Y Studies in Middle English Language and Literature
Exclusion: ENGB03
Prerequisite: Normally three English courses, one of which must be: ENGB01, ENGB02, ENGC01

Courses not offered in 1978-79:

ENGC05Y Studies in Restoration and Eighteenth Century Literature
Prerequisite: Normally three courses in English, one of which must be: ENGB04/ENGB17
Limited enrolment: 15 per section

ENGC08Y Studies in Twentieth Century Literature
Prerequisite: Normally three English courses: at least one of which must be: ENGA08/ENGB31/ENGB32/ENGB33
Limited enrolment: 15

JHEC13Y A Seminar in Literary Theory and Practice
Exclusions: (ENGC13); (HUMC02); (HUMC13)
Prerequisite: Normally three English courses; at least one at B-level
Limited enrolment: 30

ENGC18F/S The Shorter Fiction of D.H. Lawrence
Prerequisite: Normally three English courses; at least one at B-level

JEDC20Y Techniques of Playwriting and Analysis
Prerequisite: Normally two courses in drama; permission of instructor

ENGC22F/S Contemporary Press
Prerequisite: Normally one B-level English course
Limited enrolment: 30

ENGC24Y Topics in American Literature
Prerequisite: One of ENGA06/ENGB24; one other B-level English course

ENGC26Y Ezra Pound
Prerequisite: Normally three English courses; at least one at B-level
Limited enrolment: 15

ENGC27Y Perception and Symbol: Landscape in Canadian Literature
Prerequisite: Three courses in English with two courses in English plus one course in French-Canadian Literature or Art History; at least one course at B-level

Fine Art

Discipline Representative: M. Gervers

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

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

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

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

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

Students interested in Fine Art should also refer to:

GRKB11S Homer: Odyssey
HISA01Y The European World: An Introduction to History
HUMB08Y Orpheus: The Quest of Beauty
[HUMB22F The Age of Pericles]
HUMB23S The Age of Augustus
HUMB25F The Age of Homer
HUMB71Y Introduction to Cinema
PHLB03F Philosophy and Art

MAJOR PROGRAMME IN FINE ART

Supervisor of Studies: M. Gervers

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

Art History

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

(1) FARA04Y

(2) One full-course equivalent chosen from the Classical and Medieval periods.

(3) Two full-course equivalents chosen from the Renaissance or Baroque periods:

(4) Two full-course equivalents chosen from Modern and Canadian Art.

(5) Two full-course equivalent C-level courses in Art History.

(6) Two further full-course equivalents: (1) a second course from the Classical and Medieval Periods, (2) a course chosen from either Art History or Studio (FARA70F and FARA71S) or one from another discipline with direct relevance to Fine Art. Permission for this course in another discipline must be obtained from the Supervisor of Studies.

Fine Art

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

(1) FARA04Y

(2) One full-course equivalent chosen from the Classical and Medieval periods.

(3) One full-course equivalent chosen from the Renaissance or Baroque periods.

(4) Two full-course equivalents chosen from Modern and Canadian Art.

(5) Five full Studio courses (or equivalent) to be chosen in consultation with the studio Instructors.

(Note: Students seeking type 'A' Certification in the Faculty of Education require at least nine Fine Art courses, with a balance between Studio and Art History courses.)

FARA04Y Art History: An Introduction

Course description: A chronological study of the cultural, political and aesthetic forces at work in architecture, sculpture and painting. The course will concentrate on a number of important monuments, artists and trends of Western Art from Ancient Greece to the Nineteenth century. Recent contributions to methodology, art theory and artistic media will be discussed.

Instructor: T.B.A. Session: Winter day.

Further information will be available later from Room R5111A.

FARA70F Two and Three Dimensional Design

Exclusion: (FARB10)

Limited enrolment: Three groups of 20 each

Course description: FARA70 and FARA71 are introductory to all studio courses; their primary aim is to help students cultivate a familiarity with basic terms, concepts and principles in visual design.

Instructor: J. Campbell Session: Winter Day & Evening

Objectives: To introduce the student to the basic principles of 2 and 3 dimensional design and to show how these principles are used in both the area of fine art and in the environment.

Content: There will be lectures, films and demonstrations dealing with the formal and technical problems of two and three dimensional design. The students will work in class and also be given assignments related to the in-class work. There will be trips to public and private galleries.

Method: 3 hours per week. Lectures, working demonstrations, group critiques.

Evaluation: Based on both the weekly assignments and in-class work.

FARA71S Colour

Exclusion: (FARB10)

Limited enrolment: Three groups of 20 each.

Course description: An analysis of the properties, perception and interaction of colour within the context of the fine arts.

Instructor: J. Campbell Session: Winter day & evening

Objectives: To introduce the student to the relativity of colour and to show, through in-class work, the methods of controling colour effects.

Content: There will be lectures, films and demonstrations dealing with the problems of colour. The students will work in class and also be given assignments related to the in-class work. There will be trips to public and private galleries.

Method: 3 hours per week using mixed pigments and coloured papers. Lectures, working demonstrations, group critiques.

Evaluation: Based on both the weekly assignments and work done in class.

FARB13F Art of the First Half of the Nineteenth Century

Prerequisite: FARA04

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

Instructor: R. Siebelhoff Session: Winter Day

Further information will be available later from Room R5111A.

FARB14S Art of the Second Half of the Nineteenth Century

Prerequisites: FARA04

Course Description: This course concerns itself with the art of the second half of the nineteenth century, between the revolution of 1848 and the First World War. This rich period in the arts of the western world will be considered through its paintings, architecture and sculpture. Special emphasis will be given to such major movements as Impressionism, Symbolism and Cubism.

Instructor: R. Siebelhoff Session: Winter Day

Further information will be available later from Room R5111A.

FARB20Y The Arts in Canada: 1670 to Present

Corequisite: FARA04

Course description:

This course will examine the problem of Colonial art, with concentration on the history of painting. The establishment of a Quebecois tradition of painting, and of an independent Canadian landscape school, will be considered in the context of the artists' contacts with European centres, and the history of patronage in Canada. Contemporary problems with U.S. influence and recent Canadian art will also be included.

Instructor: TBA Session: Winter Day

Objectives:

To help students develop a perspective on painting and sculpture in Canada as a reflection of the Canadian identity. To increase familiarity with works which are so readily accessible to the Toronto student and to encourage individual critical awareness of the painting and other art that is happening around us.

Teaching method:

A two-hour lecture each week, with class participation encouraged. Visits to the McMichael Canadian Collection, Art Gallery of Ontario and possibly to important exhibitions at other galleries.

Evaluation:

Term examination in each examination period. One essay each term.

FARB24Y Medieval Art, IV to XIV Century

Corequisite: FARA04, recommended course: FARB29

Course description: A survey of the arts in Europe from the late Roman Empire to the end of the Gothic period. The study will involve consideration of architecture, sculpture, painting, illumination and the minor arts.

Instructor: M. Gervers Session: Winter Day

Objectives: To teach students to recognize and interpret the basic styles, subject matter, iconography and function of medieval art in an historical context.

Content: Early Christian, Byzantine, Barbarian, Hiberno-Saxon, Islamic Carolingian, Anglo-Saxon, Romanesque and Gothic Art.

Teaching Method: One 2-hour lecture plus a 1-hour tutorial weekly. Two class periods, one each semester, will be held in the Royal Ontario Museum. Students will be encouraged to think for themselves and to develop a critical approach towards the subject.

Bibliography: Background: E. Kitzinger, Early Medieval Art; D. Hay, The Medieval Centuries, R. Krautheimer, Early Christian and Byzantine Architecture; J. Beckwith, The Art of Constantinople and Early Medieval Art; G. Zarnecki, Romanesque Art; O. von Simson, The Gothic Cathedral; E. Panofsky, Gothic Architecture and Scholasticism, et al., M. Gough, The Origins of Christian Art. Students will also read works by A. Grabar, O. Demus, D.T. Rice, R.L.S. Bruce-Mitford, O. Pächt, M. Schapiro, L. Mumford, J. Huizinga, F. Salet, C. Cutler and M. Meiss Evaluation: Semester grades are computed from weekly assignments and/or papers, and participation in tutorials (1/3), mid-term test (1/3) and end of term exam (1/3). Final grades - on 2 term marks & final exam 1/3

FARB28Y Art of the Twentieth Century

Corequisite: FARA04

Course description: An introductory course, one of the options for the programme in Fine Art History as well as studio.

Instructor: TBA Session: Winter Evening

Further information will be available from Mrs. B. Gover in R5111A.

FARB42Y Painting in Ancient Egypt, Prehistoric and Classical Greece
(Fourth Millenium to end of First Century B.C.)

The early part of the course (prehistoric period) will trace the development of wall painting and painted relief in Ancient Egypt and Bronze Age Greece. For the later period the emphasis will be on Greek vase painting.

Instructor: M.C. Shaw Session: Winter Day

Content:
As the title implies, the course will be dealing with two major periods. The most outstanding paintings of the earlier one (down to about 1200 B.C.) are found in tombs of Egypt and in houses and palaces of the Aegean area (Minoan Crete, Thera, Mycenaean Greece and some sites in Western Asia). Wall paintings of Greece of the later period are essentially lost, but their style and themes are often reflected in copies and imitations in Greek vase painting, Etruscan tomb wall paintings and Early Roman paintings and mosaics.

Method of Teaching:
Lectures are illustrated by slides and occasionally by material (when such is available) in the R.O.M.

Evaluation:
One term paper, ¼ of final grade. One - 1 hour examination, ¼ of final grade. One final examination (2 hours), ½ of final grade.

FARB44Y Baroque in Europe, 1600-1750

Exclusion: FARB39 , FARB17
Prerequisite: FARA04

Course description: A general survey of Baroque and Rococo Art and Architecture in Europe between 1600 and 1750.

Instructor: G. Scavizzi Session: Fall Term Evening
R. Siebelhoff *Spring Term Evening
Course Content: (1st part) - Italy and France, 1600 to 1660. The focus will be on major personalities (Bernini, Borromini, A. Carrier, N. Poussin) and on the evolution of the Classical, the Realistic and the Baroque trends.

Teaching Method: two one-hour lectures

Evaluation: One 1-hour examination
One essay

*Further information on Spring Term Evening course will be available later from R5111A.

FARB70F Introductory Drawing

Prerequisite: FARA70; FARA71
Limited Enrolment: 20

Course description: The 'scribble'; iconography of expressive drawing. Students are asked to consider what is intrinsic to the act of drawing, the media and tools traditionally and presently used, and the artist's graphic intentions.

Instructor: S.A. Amenta Session: Winter Day

Type of Course: An introductory course for students wishing to acquire a familiarity and experience with various drawing media, techniques, and approaches.

Objectives: The aim of this course is to cultivate a sensitivity to line and graphic qualities. Students are encouraged to think on paper, and to become aware of their whole body as a drawing instrument.
Content and Method: Scribbling, still-life and life-drawing exercises. Students are responsible for keeping a sketchbook and submitting a portfolio of finished drawings at the end of the course.

Bibliography:
Hill, E. The Language of Drawing, Englewood Cliffs, N.J.: Prentice-Hall, 1966.
Chaet, B. The Art of Drawing, Holt, Rinehart & Winston, 1970.
Klee, P. Pedagogical Sketchbook, New York: Praeger, 1969.
Goldstein, N. The Art of Responsive Drawing, Englewood Cliffs: Prentice-Hall, 1973.
Evaluation: Based on final portfolio submission, studio exercises, participation, class and sketchbook marks.

FARB72F Introduction to Printmaking
(Screen Process Printing)

Prerequisites: FARA70; FARA71

Corequisite: FARB70

Course description: Materials & Methods in edition printing.

Instructor: D. Holman Session: Winter Day

Objectives: To introduce the student to the art of printmaking through the use of the silk screen medium. To develop the students' critical awareness of their own creative skills. To be able to recognize the visual qualities of the different printmaking media.

Content: The course will include lectures and demonstrations of the technical problems of screen process printing and lectures on the processes of etching and lithography. The student will be expected to conceive and print several serigraphs and to take part in group critiques of the finished work. Trips to public and private galleries to view prints will be mandatory.

Method: 3 hrs. per week. Lectures, working demonstrations, individual as well as group critiques will be at appropriate intervals throughout the course.

Evaluation: Based on 1. Work attitudes
2. Finished work
3. Written Analysis of prints viewed at private and public galleries.

Additional comments: $30.00 Lab Fee. Limited enrolment: 15.

FARB74S Intermediate Drawing

Prerequisites: FARB70

Course Description: An investigation of the creative act of drawing and its use in the development of the artist's personal visual perception. Limited enrolment: 20.

Instructor: D. Holman Session: Winter Day

Objectives: To give the fine arts students an opportunity to expand their knowledge of the art of drawing.

Content & Method: 3 hrs. per week of studio work, with group and personal criticism of the students' work. The student will be responsible for attending every class, keeping a definitive sketchbook and submitting a number of finished drawings at the end of the course.

Evaluation: Based on final portfolio submission, participation in class and sketchbook marks.

FARB75Y Instroduction to Painting

Exclusion: (FARB71)
Pre-requisite: FARA70; FARA71; Permission of Instructor
Limited enrolment: 20

Course Description: An introduction to principles and techniques of painting. Emphasis is on understanding a medium's special characteristics so that artistic expression may be enhanced. No previous experience necessary in all the media to be investigated, as the purpose of this course is to encourage exploration and experimentation in different media.

Instructor: S.A. Amenta Session: Winter Day

Type of Course: A studio course stressing experimentation and creative exploration. For each of the media to be studies, there will be a demonstration by the instructor. Students will then be assigned projects in the medium, and work closely with the instructor.

Content: Informal lectures and demonstrations on each medium (watercolour, egg tempera, oils, acrylics). Assigned projects in each medium. Preparation of grounds and materials. Critiques of paintings and visits to galleries.

Method of Evaluation: Students will be responsible for a number of paintings throughout the year; for working closely with the instructor in the course of developing each painting. Class participation and attitude are important, especially with regard to the exercise of critical appreciation.

Bibliography: available from Mrs. B. Gover in R-5111A.

FARB76B Intermediate Painting (See Summer Arts Programme)

FARB82F Introduction to Lithography

Prerequisite: FARA70; FARA71; FARB72 or Permission of Instructor

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

Instructor: D. Holman Session: Winter Day

Objectives: To introduce the student to Stone Lithography.

Content: The course will include several lectures explaining the technique and artistic nature of Stone Lithography, along with working demonstrations of the processes involved. The student will be expected to draw and execute several lithographs.

Method: 3 hrs. per week, studio work, lectures, working demonstrations. Critiques will be at appropriate intervals throughout the course.

Evaluation: Evaluation will be based on the work attitudes of the student and the actual work done in class.

Additional Comments: The student will be expected to bring to the class a strong creative attitude towards studio work. Lab Fee $30.00

FARB83S Intermediate Lithography

Prerequisite: Normally "B" standing in FARB82
Corequisite: FARB74

Course description: An extension of FARB82. Limited enrolment: 10.

Instructor: D. Holman Session: Winter Day

Objective: To further explore the art of stone lithography in multi-colour printing.

Content: The same as FARB82F

Method: 3 hrs. per week, studio work, lectures, working demonstrations Critiques held at appropriate intervals throughout the course.

Evaluation: Evaluation will be based on the work attitudes of the student and the actual work done in class.

Additional Comments: The student will be expected to bring to the class a strong creative attitude towards studio work. Lab Fee $30.00 Limited enrolment. Permission of instructor required.

FARB84B Introduction to Etching
(See Summer Arts Programme)

FARB90F)
FARB91S) Supervised Studies in Studio: Intermediate Level

Prerequisites: FARA70, FARA71 and permission of Instructor which is based on the evaluation of proposal and/or portfolio.

Course Description: These courses may be in any of the fields of drawing, painting and printmaking. Students are required to submit a portfolio along with their proposal outlining intended research. These courses are intended for students who can demonstrate the need to pursue further study in any of the above areas. Students are also required to meet with instructors on a regular basis for critiques of work in progress. Limited enrolment: 3.

Instructors: S.A. Amenta/D. Holman Session: Winter Day

Content and Method: To be planned in co-operation with instructors.

Evaluation: Evaluation is conducted by both instructors with participation of the student.

FARC02F
C03S
C04Y Supervised Reading

Session: Winter Day

Prerequisite: At least two B-level courses in Art History; permission of Instructor must be obtained by first week of classes. A reading knowledge of a second language is recommended.

Interested students should contact Professor Gervers.

FARC09F Studies in the High Rennaissance I

Prerequisite: FARB03Y or FARB26Y or
Corequisite: FARB43Y

Course Description: Leonardo's art from the apprenticeship in Verrocchio's Workshop to the Mona Lisa. The study will include Leonardo's drawings as well as his theoretical work on painting.

Instructor: G. Scavizzi Session: Winter Evening

Course Content: Scope of the course is to focus on the transition from Early to High Renaissance as exemplified by the creator of a High Renaissance style. For the first part the emphasis will be on workshop practice and methods; the second on the intellectual and independent growth of Leonardo.

Teaching Method: 2 lectures

Evaluation: 1 one-hour examination, 1 slide test, one essay

Bibliography: K. Clark, Leonardo da Vinci, Cambridge University Press, 1939 (and later editions

FARC10F Classicism in Seventeenth Century Art

Prerequisite: FARB27

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

Instructor: G. Scavizzi Session: Winter Day

Content: Analysis of paintings and sculptures in combination with a study of the theoretical writings on art produced in Italy and France (Agracchi, Bellori, Felibrien). The relationship between the classical doctrine of art and the Paris Academy will also be studied.

Teaching Method: two one-hour lectures

Evaluation: One essay, one essay test (one hour), 1 slide test.

FARC14F Art Around 1900

Prerequisites: FARB13F and FARB14S. A reading knowledge of French or German is recommended but not required.

Course Description: The exploration of Symbolism and Art Nouveau with reference to the stylistic and literary origins.

Instructor: R. Siebelhoff Session: Winter Day

Further information will be available later from Room R5111A.

FARC17Y Baroque Painting in the Netherlands

Prerequisite: FARB44Y

Course description: The course considers the Golden Age of Netherlandish Painting with such major artists as Rubens, Rembrandt, Frans Hals, Van Dyck and Jan Vermeer. Considerable emphasis will be placed on the social and historical background which made this surprising development possible.

Instructor: R. Siebelhoff Session: Winter Day

Further information will be available later in R5111A.

FARC21Y Advanced Studio: Individual Study in Painting

Prerequisite: Permission of Instructor must be obtained by first week of classes.

Course description: This course is only for students who would like the opportunity to develop an already maturing painting ability. Students must convince the instructors that they are able and willing to assume the responsibility to carry this course independently of intensive guidance. Limited enrolment: 5.

Instructor: S.A. Amenta & D. Holman Session: Winter Day

Objectives: The purpose of this course is to give the promising student the opportunity to work independently while receiving advanced criticism.

Content: A number of works to be arrived at in consultation with instructors, to be presented for periodic critique.

Method: Students may receive suggestions and some guidance in planning year's activities or in conceiving projects, but must work independently otherwise (except for periodic critiques).

Bibliography: To be arranged in consultation with instructors.

Additional remarks: This course is not for the student who is not quite sure of what he wants to do, but instructors will help the student who needs help in deciding how to do what he wants to do.

FARC22Y Advanced Studio: Individual Study in Printmaking

Prerequisite: Permission of Instructor must be obtained by first week of classes. Limited enrolment: 5.

Instructor: D. Holman, S. Amenta Session: Winter Day

Objectives: The purpose of this course is to give the promising student the opportunity to work independently while receiving advanced criticism

Content: A number of works to be arrived at in consultation with instructors, to be presented for periodic critique.

Method: Students may receive suggestions and some guidance in planning year's activities or in conceiving projects, but must work independently otherwise (except for periodic critiques).

Bibliography: To be arranged in consultation with instructors.

Evaluation: Conducted by both Instructors with participation of student.

Additional remarks: This course is not for the student who is not quite sure of what he wants to do, but instructors will help the student who needs help in deciding how to do what he wants to do.

FARC24F) Independent Studies in Studio: Advanced Level
FARC25S)

Prerequisites: FARA70, FARA71: at least one B-level course in the field of study: a portfolio demonstrating proficiency in this field: permission of instructors which is based on the evaluation of the portfolio.

Course Description: These courses may be in any one of the fields of drawing, painting and printmaking. Limited enrolment: 3 stuents

Instructors: S.A. Amenta/D. Holman Session: Winter Day

Students are required to submit a portfolio along with their proposal outlining intended research. These courses are intended for students who can demonstrate the need to pursue independent study in one of the above areas. Students are also required to meet with Instructors at appointed times; however they are expected to work on their own most of the time.

Content and Method: To be planned in co-operation with Instructors.

Evaluation: Evaluation is conducted by both Instructors with participation of the student.

Courses not offered in 1978-79:

FARB01F/S Romanesque Art
Corequisite: FARA04

FARB03Y Renaissance in Italy
Corequisite: FARA04

FARB17Y Baroque Painting in The Netherlands
Prerequisite: FARA04

FARB21F Archaic Greek Sculpture (700-490 B.C.)
Prerequisite: One Fine Art History term course or GRHB01

FARB24Y Medieval Art from IV to XIV Century
Corequisite: FARA04

FARB25F/S High Gothic Architecture
Corequisite: FARA04

FARB26Y The Arts in Northern Europe ca. 1400-1500
Prerequisite: FARA04

FARB29F/S Early Christian and Byzantine Art
Corequisite: FARA04

FARB30F Crete and Mycenaean World
Prerequisite: One Fine Art History term course or GRHB01

Courses not offered in 1978-79:

FARB31S Classical Greek Sculpture
Prerequisite: One Fine Art History term-course

FARB35F/S Gothic Painting
Corequisite: FARA04

FARB36F/S Expressionist Trends in Western Art from Van Gogh to Jackson Pollock
Corequisite: FARA04

FARB38S The Arts of French Canada
Corequisite: FARA04

FARB39Y Baroque in Italy and France
Corequisite: FARA04

FARB40F Monuments and Topography of Republican Rome 509-31 B.C.
Prerequisite: FARA04 or GRHB03

FARB41S Monuments and Topography of Imperial Rome 31 B.C. - 337 A.D.
Prerequisite: FARA04 or GRHB03

FARB43Y Renaissance in Europe 1400-1600
Prerequisite: FARA04
Exclusion: FARB03, FARB26

FARC15S Cubism and Related Movements in Painting
Prerequisite: FARB28; knowledge of French or German is recommended but not required

FARC16F/S Studies in the High Renaissance II
Prerequisite: FARB03

FARC17F 'Realism' in XVII Century Painting
Prerequisite: FARB27 or FARB17

French

Discipline Representative: L.E. Doucette

The courses offered in French are designed primarily for students with Grade 13 French who wish to continue their study of the language and of the literature of France and French Canada. Students without Grade 13 French or an equivalent background who wish to qualify for FREA01, or simply to begin their study of the subject, will find opportunities in FREA00 (Winter Session), and in the program of the Summer Language Institute. FREA01 serves to consolidate the previous experience of students in the understanding and use of the language.

Providing prerequisite requirements are met, courses may be combined in a variety of ways; however, students intending to pursue a Major Programme in French are invited to consider taking both FREA01 and FREA02 in their first year, then to choose courses from within the following groups: (1) the main trends of French and French-Canadian literature; (2) the genres: poetry, theatre and novel in various periods; (3) advanced language; (4) language practice courses.

Students should also consult the Major Programme entries under French and under Modern Languages and Literatures in the College Calendar.

MAJOR PROGRAMME IN FRENCH

Supervisor of Studies:

Students should complete at least ten full course equivalents, including

(1) the sequence FREA01, B01, C01, except where exemption is granted for special proficiency

(2) one full course equivalent in the area of French linguistics, stylistics, translation or history of the language

(3) three full course equivalents in literature, at least one of which should deal with a period prior to 1800 and one with a period after 1800

(4) four full course equivalents at C-level (or from the 300 and 400 series courses offered on the St. George Campus)

(5) It is recommended that the student include in his programme one full course equivalent from the FREC02-C07 and C90 series (Supervised Reading) involving individual research in a specific area. (Such a course may also count toward satisfying requirements in (2), (3) and (4) above.)

The following may not count toward a Major Programme:

(1) more than two A-level FRE courses

(2) any of FREA00, A11, A12, B11, B12, B14

(3) more than two courses from the series FRE425 to 469, offered on the St. George Campus.

The student's overall programme must be approved by the French Discipline and registered with the Supervisor of Studies before completion of the tenth course.

FREA00A Introductory French

Prerequisite: Permission of the instructor

Course description: Intensive laboratory and class-room instruction in written and oral French, designed to enable students without the prerequisite for FREA01 to acquire the competence needed for entrance to that course in a subsequent year. The course is not normally open to students with Grade 13 French.

Note: Students wishing to take this course will be required to write an entrance examination before being admitted. It is anticipated that only those students with some previous experience in French will be accepted. Students who demonstrate the skills required at the Grade 13 level may be admitted directly to FREA01.

Instructor: P. Moes Session: Fall Day

(N.B. It is anticipated that students successfully completing FREA00A in December 1978, may continue their study of French in FREA01B in January 1979, thus completing two years of French in one).

Content: Basic skills in comprehending and using spoken and written French will be emphasized.

Method: Four two-hour classes, and one two-hour laboratory class per week.

Bibliography: For the required texts, consult the college bookstore. In 1977-78 these were: Joiner, E.G. et al. First Year French. Sempe-Coscinny. Le Petit Nicolas. Bragger & Shupp. Débuts culturels. Block, P.R. Débuts littéraires.

Evaluation: Frequent short oral and written tests, supplemented with readings and compositions, as well as a two-hour mid-term test will constitute the term mark, which forms 2/3 of the final mark. The remaining 1/3 of that mark is provided by a three-hour final examination.

FREA00B Introductory French)
FREA04S Elementary Conversation I) See Summer Language Institute

FREA00Y Introductory French

Prerequisites: Permission of Instructor

Course description: This course is designed to enable students to begin or to continue their study of the French language with a view to entering FREA01 in a subsequent year. Intensive laboratory and class-room instruction in written and oral French. The course is not normally open to students with Grade 13 French.

Note: Students wishing to take this course will be required to take an entrance examination before being admitted. It is anticipated that only those students with some previous experience in French will be accepted. Students who demonstrate the necessary skills in this examination may be admitted directly to FREA01. Students with no previous experience in French are strongly advised to take FREA00B and FREA04S in the Summer Language Institute.

Instructor: TBA Session: Winter Day

Content: Basic skills in comprehending and using spoken and written French will be emphasised.

Method: Four class hours and one language laboratory hour will be devoted to the course content.

Bibliography: The prescribed text and workbook have not yet been chosen; details will be available from the Bookstore as of May, 1978.

Evaluation: The final mark is based on performance in a Final Examination (3 hours, 1/3 total; and on a term mark 2/3 total, which includes a 1 hour test in December.

FREA01B Preparation for University French Studies

Prerequisite: Grade 13 French, or at least 70% in FREA00, or equivalent. Students may qualify for admission to FREA01 by showing sufficient competence in the FREA00 entrance examination.

Course description: This course provides all student with opportunities to improve their language skills by means of readings, written compositions, oral classes, phonetics, and work in the language laboratory. Not open to native speakers of French.

Instructor: T,B.A. Session: Spring Day.

Note: This intensive course will have four two-hour classes and a laboratory hour each week.

Other Recommended Courses: For students planning to major in French, FREA02.

Content and Method: The course includes a review of grammar, reading and discussion of texts representing various styles and cultures, oral practice in the laboratory, and other exercises that class and instructor may choose to devise. The schedule calls for three class hours and one laboratory hour per week, at which regular attendance is important. Composition and participation in discussion are emphasized.

Evaluation: A final examination accounts for one-third of the final mark. The term mark is based on tests, written and oral assignments, class and laboratory participation.

FREA01B Language Practice)
FREA05S Elementary Conversation II) See Summer Language Institute

FREA01Y Preparation for University French Studies

Prerequisite: Grade 13 French, or at least 70% in FREA00, or equivalent. Students may qualify for admission to FREA01 by showing sufficient competence in the FREA00 entrance examination.

Course description: This course provides all students with opportunities to improve their language skills by means of readings, written compositions, oral classes, phonetics, and work in the language laboratory. Not open to native speakers of French.

Instructors: J. Bancroft and staff Session: Winter Day/Evening

Other Recommended Courses: For students planning to major in French, FREA02.

Content and Method: The course includes a review of grammar, reading and discussion of texts representing various styles and cultures, oral practice in the laboratory, and other exercises that class and instructor may choose to devise. The schedule calls for three class hours and one laboratory hour per week, at which regular attendance is important. Composition and participation in discussion are emphasized.

Evaluation: A final examination accounts for one-third of the final mark. The term mark is based on tests, written and oral assignments, class and laboratory participation.

FREA02Y Introduction to Literary Analysis

Prerequisite: Grade 13 French or equivalent
Corequisite: FREA01

Course description: This course introduces the student to methods of critical analysis through the study of selected works from the fields of French drama, fiction and poetry of the nineteenth and twentieth centuries.

Instructors: L.E. Doucette, P. Moes. Session: Winter Day, Winter Evening

Content: The works to be read are classics of the modern period. They present a wide range of themes, styles, and genres ranging from the Romantic theatre to the Realistic novel.

Teaching Method: Two hours per week of "lecture expliquée", class discussion, student presentations of specific topics.

Bibliography: For an official list of required texts consult the College Bookstore. In 1976-77 the following were studied:

Alain-Fournier Le grand Meaulnes
Anouilh Antigone
Balzac Short Stories
Dufau & D'Alélio (eds.) Découverte du poème
Ionesco Three Plays
Mauriac Thérèse Desqueyroux
Musset Fantasio

Evaluation: At least one written assignment each term (one a formal essay) and two term tests. There is no final examination. The weighting of assignments to be determined in consultation with the students.

FREB01B Language Practice)
FREB04S Intermediate Conversation I) See Summer Language Institute

FREB01Y Language Practice

Prerequisite: FREA01

Course description: A continuation of first-year language work, including grammar, composition, oral practice, readings and language laboratory work. Not normally open to native speakers of French.

Instructors: T.B.A. Session: Winter Day.

Content: FREB01Y will deal with problems of fluency and pronunciation in speaking and reading, problems of grammar and general composition in writing. Class work will involve oral practice; readings; work in vocabulary-building; composition and basic stylistic analysis. Classes will meet three hours per week and will be arranged to cover several aspects of language work.

Teaching Method: Lectures, tutorials and laboratory work.

Bibliography: For required texts, consult the college bookstore. In 1977-78 they were: Hoffmann, L.F. L'Essentiel de la grammaire française (Scribner's). Besnard et Coursodon, Ecritures (Macmillan). Dubuc, C. Lettres à un Français qui veut émigrer au Québec (Editions du Jour). Ramuz, C.F. La Grande peur dans la montagne (Poche).

Evaluation: Several tests and/or examinations; oral assignments; compositions; grammar exercises; class participation. Weighting to be determined in consultation with the students.

Additional Comments: Attendance at class and active participation when present are strongly urged for this type of course.

FREB04F Intermediate Conversation I

Prerequisite: FREA01

Course Description:

Intensive practice in the spoken language through controlled situational oral work and discussion groups. Attention will be given to the comprehension of such major regional variants as that found in the Province of Quebec.

Instructor: L. Mignault Session: Winter Day

Other Recommended Courses: FREB01

Objectives: This course has three basic objectives:
1. To help students to speak French without being self-conscious or inhibited;
2. To develop the range of their vocabulary so that they are equipped with the tools of communication in concrete situations of life and in conversations on topics related to contemmorary society;
3. To develop their comprehension of French when spoken with characteristics pertaining to Franco-Canadians so that they become able to communicate effectively with them.

This course is not open to Native French speakers.

Content: The basic content of the course is a textbook which presents vocabulary pertaining to various situations of life. Students are regularly tested for memorization of such vocabulary. Furthermore, students are expected to contribute to the class by sharing with the group anything that they have been exposed to: books, articles, films, TV programmes, etc... The richer the contribution of each student, the more enriching is the content of the course.

Teaching Method: The methodology of this course is based on the following assumption: given the type of students who take it and the number of years that they have been exposed to French studies, the key to meeting the course objectives is of a psychological nature rather than of a strictly linguistic nature. In order to surmount his natural inhibitions, the student is placed in a situation where he feels at ease and genuinely interested in communicating with the other individuals of his group; to promote his motivation, the student is given the opportunity to choose between various activities those which interest him most (free conversation, discussions on "burning topics", singing, participation in cultural manifestations taking place in French at the College or in town, etc...); to make communication more genuine, students are given the opportunity to get to know each other by participating in social games and social gatherings held outside the classroom; performance is given priority over competence and the instructor seeks to reduce his role to that of a resource person rather than being the focus of attention who is there to remind the students of their shortcomings. One hour of lecture and two to three hours of tutorial per week.

Bibliography: Lenard, Y. et Hester, R. L'Art de la conversation, Harper & Row.

Evaluation: Attendance, participation, bi-weekly vocabulary tests: 40%; Major project of an oral nature (such as performance of a play, sociological research in the francophone community, participation in French workshops, singing or literary recitation, oratory performance, etc...): 30%; Final oral exam with attention paid to fluency, quality of vocabulary and grammar, pronunciation: 30%.

Additional Comments: To ensure that students can take advantage of the various activities offered in the course on the basis of choice, they should arrange to have no other courses scheduled between 11 and 1 p.m. on Mondays, Wednesdays and Fridays.

FREB05S Intermediate Conversation II

Spring Day, Scarborough

L. Mignault

Course Description: A continuation of FREB04.

Prerequisites: FREA01

Other Recommended Courses: FREB01 and, preferably, completed FREB04.

Objectives: See FREB04.

Content: See FREB04.

Teaching Method: See FREB04.

Bibliography: See FREB04.

Evaluation: See FREB04.

Additional Comments: See FREB04.

FREB20Y French Civilization: The Vision of Man

Prerequisite: FREA01

Course Description: This course will study the basic features of French culture by analysing the concept of man throughout the various epochs of French history as reflected by social and political institutions and movements, religious trends, works of art and literature. Readings from Rabelais, Montaigne, Descartes, Pascal, Voltaire, Rousseau, Hugo, Renan, Camus, Sartre, de Beauvoir and others, will be used to supplement the lectures and illustrate the itinerary of the vision of man from "l'honnête homme" to "l'homme absurde".

Instructor: L. Mignault Session: Winter Day

Other Recommended Courses: Any course on the history of France or Europe, Art history, French literature, Religious studies (HUMB20Y), European philosophy (PHLB44F through PHLB47S).

Objectives: The constant metamorphoses which characterize the life of a culture are accompanied by various efforts to define man and provide him with suitable answers to his deepest questions concerning his purpose in life, his role in the world and the most adequate means to play this role in terms of social and religious structure. Works of art, literature, social and political institutions, historical events, thought, all play an integrative role in providing these answers. Are the various metamorphoses the product of chance and fads? Or do they rather follow an identifiable course? These are the questions which the students will attempt to answer by investigating some aspects of the French culture from the origins to today.

Content: The textbook will provide each student with an opportunity to get some basic familiarity with the numerous factors which affect the

life of a culture: art, literature, thought, history, religion and social behavior and attitudes. Each student will also be given an opportunity to deepen his/her investigation by concentrating on one of these aspects which interests him/her most, throughout the course.

Teaching Method: Two hours of lecture and one seminar session per week. The lecture will proceed chronologically through the different periods of French history, pointing to events and developments of particular significance. Students will then seek to reach a better understanding by doing supplementary research in the field of their choice and by doing some supplementary readings from the recommended works. Presentation and discussion of their research will take place during the seminar. Films and slides will also be used regularly by instructor and students to help visualization.

Bibliography: Thoraval, J., Les grandes étapes de la civilisation française Bordas.

Evaluation: Seminar presentations: 40%
Monthly tests based on texbook and lecture: 20%
Term tests (2 two-hour end of term): 40%

Additional Comments: This course should prove very useful to students wishing to undertake literary studies giving them a good overall understanding of the French culture and enabling them to have a more comprehensive approach to the study of any given literary period.

FREB25Y Introduction to French Linguistics

Prerequisites: FREA01

Course description: Study of linguistic theories from the beginning of the twentieth century as applied to Modern French.

Instructor: John Kirkness Session: Winter Day

Content: In the fall term, attention will be given to a discussion of "the linguistic perspective" and the identification of significant concepts in the analysis of contemporary French. This will be followed by a review of the distinctive features of the phonological, grammatical and lexicological structures of the language. The spring term will involve the application, by class members, of the concepts to specific issues.

Method: The class will meet for an hour twice a week for the presentation and discussion of the topics noted above.

Evaluation: Procedures will be discussed at the first class meeting: In the past, assessment has been based on two research reports, reviews, tests and presentations.

FREB29F French Drama of the Eighteenth Century

Prerequisite: FREA01

Course description: A study of some of the most important plays of the period with special emphasis on the concept of drama, its styles and techniques, which they illustrate.

Instructor: P. Moes Session: Winter Day

Content: The best known plays of the three major theatrical genres - tragedy, comedy, and the so-called drame bourgeois - form the core of the programme. In addition to reading, analyzing, discussing, and appreciating them in their eighteenth century context, these plays will be looked at as practical demonstrations of certain theories concerning the nature of theatre, and what it is meant to communicate. This in turn suggests that the plays will be considered in their totality, that is, as more than purely "literature".

Teaching Method: Lectures, discussion periods, student presentations.

Bibliography: In the past required texts have included Turcaret (Lesage), le Jeu de l'amour et du hasard (Marivaux), Zaire (Voltaire), le Mariage de Figaro (Beaumarchais) and others. For the official list, consult the college bookstore. For additional reading, consult the college library.

Evaluation: The final mark is based on one major essay, oral and written reports as time permits, and one one-hour test at the end of term. Weighting to be determined in consultation with the students.

FREB30F French Theatre of the Early Modern Period

Prerequisite: FREA01

Course description: A study of trends in French drama from the late nineteenth century to the Second World War. The course deals with such topics as the realist and surrealist movements, "poetic" drama and the revival of myth. Students are urged to consider taking the companion course FREB31. This course counts toward the Major Programme but is open to all students interested in French literature or in the theatre, provided they have satisfied the necessary prerequisites.

Instructor: C. Jennings Session: Winter Day

Further information will be available later in Room H-331A.

FREB31S Contemporary French Theatre: The Theatre and the Absurd

Exclusions: (FREB30 in 1973-34 and previous sessions)
Prerequisite: FREA01

Course description: This course will examine the philosophical concept of the "absurd" and its influence in modern French Theatre. Authors studied will include Camus, Sartre, Ionesco, Beckett, Genet. This course counts toward the Major Programme, but is open to all students interested in French literature or in the theatre, provided they have satisfied the necessary prerequisites.

Instructor: C. Jennings Session: Winter Day

Further information will be available later in Room H-331A.

FREB32F The Writer and Nineteenth Century Society

Exclusions: (FREB10)
Prerequisites: FREA01

Course description: A study of major realistic and naturalistic writers of the French Nineteenth Century. Texts analyzed will explore such themes as the individual in society, class struggle, ambition and alienation. Students are urged to consider taking FREB33S as a companion course.

Instructor: W.J. Bancroft Session: Winter Day

Content: This course will study those 19th century French writers whose primary concern is a "realistic" portrayal of the individual in society. After a general outline, both sociological and historical, of the French novel and a discussion of the various ways in which a novel may be analyzed, attention will focus on specific texts by writers such as Balzac, Flaubert, Maupassant and Zola. Novels will not necessarily be studied in chronological order, although some historical background will be provided.

Method: Two hours per week; the proportion of lectures to tutorials will depend, in part, on the size of the class and will be decided at the beginning of the term. The general method followed will be lectures, plus class discussion.

Bibliography: A detailed bibliography for this course will be provided on the first day of class. Students interested in taking FREB32F might wish to consult a general account of the French novel, e.g., The Novel in France by Martin Turnell.

Evaluation: There will be one major essay and possibly an additional classroom assignment. There will also be one term examination or take home test. Students will be graded on the essay (the most important element), the test, the classroom assignment(s), if any, and class participation.

FREB33S Readings in Nineteenth Century French Fiction

Prerequisites: FREA01

Course description: A study of the French individualist novel, with emphasis on the theme of love. Novelists studied will include Stendhal, Fromentin and Constant. Students are urged to consider taking FREB32F as a companion course.

Instructor: W.J. Bancroft Session: Winter Day

Content: This course constitutes a continuation of FREB32F, except that, in the study of the appropriate 19th century French novels, the emphasis will be on the individual in love, as opposed to the individual in society.

Method: Two hours per week; the proportion of lectures to tutorials will depend, in part, on the size of the class and will be decided at the beginning of the term.

Bibliography: A detailed bibliography for this course will be provided on the first day of term. Students interested in taking FREB33S might wish to read J. Hytier, Les Romans de l'Individu.

Evaluation: There will be one major essay and possibly an additional classroom assignment. There will also be one term examination or take-home test. Students will be graded on the essay, the test, the classroom assignment(s), if any, and class participation.

FREB38F The Theatre of French Canada

Prerequisites: FREA01

Course description: A study of the main characteristics of Quebec theatre in the twentieth century, with emphasis on the period 1960-present.

Instructor: L. E. Doucette Session: Winter Day

Content: A brief introduction to the history of theatre in French Canada before the Second World War is provided, but the required texts all come from the period of the past twenty-five years. We shall attempt to strike a balance between structural and thematic analysis of these plays.

Teaching Method: Two meetings per week, both (after the initial two or three introductory sessions) of the discussion/seminar type. Students are strongly urged to participate, and to organise one or more class presentations on specific topics.

Bibliography: For an official list of required texts consult the College Bookstore. At this stage, it looks as though we shall study the following: Gélinas, Tit-Coq and Bousille et les justes; Dubé, Un simple soldat; Languirand, Les grands départs; Loranger, Encore cinq minutes; Gurik, Le pendu; Barbeau, Joualez-moi d'amour; Tremblay, Bonjour, là, bonjour!

Useful background reading: J.-C. Godin and L. Mailhot, Le théâtre québécois

J. Hamelin, The Theatre in French Canada

Evaluation: In line with new University regulations, an examination (35%), and a combination of essay(s), class presentations or equivalent work, by individual contract to make up the remainder.

FREB70Y The Twentieth Century: In Search of the Novel

Exclusion: FREB34
Prerequisite: FREA01

Course description: A study of writers primarily concerned with aesthetic and psychological questions in narrative fiction, such as Gide, Proust, Mauriac, Céline, Queneau and Butor.

Instructors: L. Mignault/S. Mittler Session: Winter Day

Content: Different approaches to problems of morality, society and human psychology, traditional or less traditional vocabulary and the spatial and temporal architecture of the novel will be examined in the light of an ongoing attempt to modify the shape and content of the traditional novel.

Method: Lectures and discussion 2 hours per week.

Evaluation: Procedures will be discussed in the first class of each term; for the second term these will include 1 major essay, a term exam, class participation and the possibility of additional class assignments.

Bibliography: A detailed bibliography will be provided in the first class of each term.

FREB80F Images of Women in French Literature

Exclusion: HUMB42
Prerequisites: FREA01

Course description: This course will consist of an analysis of the portrayal of woman and of the concept of feminity as presented by prominent male authors from the 17th century to the present. On the one hand stereotyped roles assigned to female characters (wife, mother, sexual object, etc.) will be traced, examined and discussed; on the other hand an effort will be made to discover and investigate the dominant myths women have come to embody from the male imagination and the functions these myths serve (the shrew, the femme fatale, etc.).

Instructor: C. Jennings Session: Winter Day

Further information will be available later in Room H-331A.

FREB81S Women's Consciousness in French Literature

Exclusion: HUMB43
Prerequisite: FREA01

Course description: This course will attempt to trace the history of women's role in French literature and to analyze the concept of feminity as experienced and described by prominent female authors from the 17th century to the present.

Instructor: C. Jennings Session: Winter Day

Further information will be available later in Room H-331A.

FREC01B Language Practice)
FREB05S Intermediate Conversation II) See Summer Language Institute

FREC01Y Language Practice

Prerequisite: FREB01 or FREB21

Course description: This course is a continuation of FREB01Y and includes reading, grammar, composition, translation and stylistic exercises, discussion and/or debates.

Instructor: F. Mugnier Session: Winter Day

Content: Formal grammar will be studied in Darbelnet's "Pensée et Structure". "Contes modernes" will be used for discussion and reading.

Teaching Method: Three hours per week conducted as seminars.

Evaluation and Marking Scheme:
8 compositions (40% of the final grade).
1 oral test (10%).
1 class presentation (10%).
4 tests (30%).
Participation in class discussions (10%).

FREC02F Supervised Reading
C04F
C06F
C03S
C05S
C07S
C90Y

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

Course description: These courses offer the student an opportunity to carry out independent study of an advanced and intensive kind, under the direction of a faculty member. Student and instructor work out in consultation the course's objectives, content, bibliography, methods of approach and evaluation. The material studied should bear some relation to the student's previous work, and should differ significantly in content and/or concentration from topics offered in regular courses.

Interested students should contact Prof. L.E. Doucette.

FREC24S The French Novel in the Eighteenth Century

Prerequisite: One B-level course in French, excluding FREB11 and FREB12

Course description: An advanced course specializing in the detailed analysis of the major novels of the period. Although it is not essential, students who have taken FREB24, B44, B45 will find that these courses provide them with a useful background.

Instructor: P. Moes Session: Winter Day

Content: Since the novel is not yet a very clearly established literary genre, the emphasis will fall on the variety and evolution of its form and subject matter with reference to the major novels of the period from Gil Blas to Paul et Virginie.

Teaching Method: Two one-hour classes a week of lectures, discussion periods, and student presentations.

Bibliography:
Lesage. Gil Blas de Santillane (Larousse)
Voltaire. Contes (Zadig, Micromégas) (Larousse)
-------- Candide (Blackwell)
Montesquieu. Lettres persanes (Garnier-Flammarion)
Prévost. Manon Lescaut (Garnier)
Diderot. Jacques le fataliste (Poche)
Rousseau. La Nouvelle Héloise (Larousse)
Choderlos de Laclos. Les Liaisons dangereuses (Garnier)
Saint-Pierre. Paul et Virginie (Garnier)

Evaluation: The final mark is based on one major essay, two or more oral reports, and a one-hour test at the end of the term.

FREC25Y Literature of the Renaissance

Prerequisites: At least one B-level course in French other than FREB11 or B12

Course description: A study of eighteenth-century French literature including the major prose writers Rabelais and Montaigne and such poets as Marot, Ronsard, DuBellay and D'Aubigné.

Instructors: L.E. Doucette/J.A. Curtis Session: Winter Day

Content: In the fall students will study the two major prose writers of the 16th century, Rabelais and Montaigne. Since they will be read in the original (and since Rabelais, in particular, can be disconcerting to some), a great deal of attention will be given to the problems of language for the first month or so. The spring term will deal with the major schools of poetry and their exponents (as listed above), with excursions into the theatre of the time and into the field of literary theory.

Teaching method: Two hours per week of lectures, textual analysis and discussion; a participatory format, as far as possible.

Bibliography: Texts will include: Rabelais, Oeuvres complètes; Montaigne, Essais; Ronsard, Poèmes; Du Bellay, Défense et illustration de la langue française; Graham (ed.), Sixteenth-Century French Poetry. Information on specific editions will be available at the Bookstore in May.
Useful background reading: J. Cruickshank, French Literature and its Background: I. The Sixteenth Century; Donald Stone, France in the 16th Century; J.R. Hale, Renaissance Europe; G.R. Elton, Reformation Europe

Evaluation: A combination of essays, tests and perhaps oral presentations, the precise relative value of which will be worked out to mutual satisfaction within the first two weeks of each semester. There will probably be no overall final exam.

FREC34F Cross-currents in Contemporary French Fiction

Prerequisite: 1 B-level course in French, excluding FREB11 and FREB12, or permission of instructor.

Course description: An examination of the varied thematic and technical perspectives open to contemporary novelists.

Instructor: S. Mittler Session: Winter Day

Content: Reflection on wartime collaboration with Chaix; revolution and fantasy in Queneau; Rinaldi's portrait of Corsica in disintegration; the anti-novel of Butor; and Tournier's vision of the modern Robinson Crusoe in a world without others.

Method: 2 hours a week of lectures and discussion.

Evaluation: To be decided by in-class discussion on the basis of 1 major essay, 1 class assignment, final exam and class participation.

Bibliography: M. Chaix, Les lauriers du lac de Constance; R. Queneau, Les fleurs bleues; A. Rinaldi, La maison des Atlantes; M. Tournier, Vendredi ou les limbes du Pacifique; M. Butor, L'emploi du temps.

FREC39S French-Canadian Poetry

Prerequisite: At least one (completed) B-level course in French, excluding B11, B12.

Course description: The development of Canadian poetry in French from the middle of the nineteenth century to the present, with emphasis on the contemporary period.

Instructor: L. E. Doucette Session: Winter Day

Content: After the initial few weeks in which a general introduction to prosody and to the origins of French-Canadian poetry is provided, the course is heavily weighted towards the twentieth century. Much emphasis will be given to modern poets such as Saint-Denys Garneau, Anne Hébert, Alain Grandbois.

Teaching Method: Two hours per week, in a discussion/ seminar format. Students may be asked to prepare an oral presentation on an author or a topic.

Bibliography: For an official list of required texts consult the College Bookstore after the beginning of May, 1978. Texts will most probably include: Guy Sylvestre, Anthologie de la poésie québécoise
Alain Bosquet, Poésie du Québec
and paperback editions of various individual authors, depending on availability.

Some useful background reading:

G. Bessette, Les images en poésie canadienne-française
G. Marcotte, Le temps des poètes

Evaluation: Methods of evaluating student performance will be established, by mutual consent, within the first two weeks of semester. It is anticipated that there will be no final exam.

FREC60F Modern Literary Theorists

Prerequisites: One B-level course in French literature

Course description: An introductory survey of French literary criticism with emphasis on a variety of modern approaches to the literary text: existentialist, psycho-critical, semiotic, sociological, structural.

Instructor: W.J. Bancroft Session: Winter Day

Content: This course will deal with critical methods of contemporary French thinkers and critics like Bachelard, Barthes, Greimas, Goldmann, Lévi-Strauss, Mauron, Poulet, Rousset and Sartre -- as theory and in application to a limited number of texts.

Method: Two hours per week; the proportion of lectures to tutorials will depend, in part, on the size of the class and will be decided at the beginning of the term.

Bibliography: A detailed bibliography for this course will be provided on the first day of class. Students interested in taking FREC60F might wish to read Les chemins actuels de la critique, edited by Georges Poulet.

Evaluation: There will be one major essay and possibly an additional classroom assignment. There will also be one term examination or take-home test. Students will be graded on the essay (the most important element), the test, the classroom assignment(s), if any, and class participation.

Courses not offered in 1978-79:

FREA11F Man and Society in French Fiction
Prerequisite: Reading knowledge of French tested by an entrance examination for students without Grade 13 French

FREA12S Man and Society in French-Canadian Fiction
Prerequisite: Reading knowledge of French tested by an entrance examination for students without Grade 13 French

FREB11F Topics in French Literatures I: Politics in Quebec Literature
Prerequisite: Reading knowledge of French tested by an entrance examination for those without Grade 13 French

FREB12S Topics in French Literatures II: Love and Honour
Prerequisite: Reading knowledge of French tested by an entrance examination for those without Grade 13 French

FREB14S Topics in French Literatures III: The Rural Novel in Quebec
Prerequisite: Reading knowledge of French tested by an entrance examination for students without Grade 13 French

Courses not offered in 1978-79:

FREB24Y French Thought and Literature in the Age of Enlightenment (1715-1789)
Exclusions: (FREB44) (FREB45)
Prerequisite: FREA01

FREB26Y The Romantic Current in French Literature
Exclusion: (FREB06)
Prerequisite: FREA01

FREB36F French-Canadian Literature to 1945
Prerequisite: FREA01

FREB37S French-Canadian Literature since 1945
Prerequisite: FREA01

FREB39F/S Workshop in Modern French Theatre
Prerequisite: FREB01 or equivalent language ability

FREB40F The Poetry and Prose of the Golden Age
Prerequisite: FREA01

FREB41S The Playwrights of the Golden Age: Corneille, Molière and Racine
Prerequisite: FREA01

FREB42F General History of the French Language
Prerequisite: FREA01

FREB43S The French Language in Canada
Prerequisite: FREA01

FREB48Y Theoretical and Practical Phonetics
Prerequisite: FREA01

FREB49Y The Twentieth Century: The Search for Identity
Exclusion: (FREB35)
Prerequisite: FREA01

FREC09Y Problems in Translation
Exclusion: (FREC08)
Prerequisite: FREB01 or FREB21

FREC10F/S Explication de textes
Prerequisite: One B-level course in French, excluding FREB11 and FREB12; permission of instructor

FREC20H Cinema and Literature
Prerequisite: One B-level course in French or permission of instructor

FREC22Y Introduction to Medieval French Language and Literature
Prerequisite: One B-level course in French, excluding FREB11 and FREB12

FREC40Y Modern French Poetry from Baudelaire to Valery
Prerequisite: One B-level course in French, excluding FREB11 and FREB12

Geography

Assistant Chairman: R.B.Bryan

The geography programme includes courses on diverse topics having to do with the development of landforms, the evolution and experience of urban and rural landscapes, the management of natural resources, and the spatial expression of economic processes. It therefore offers students a variety of potential themes which can be followed either separately or in combination towards a B.A. or a B.Sc. degree.

The geography curriculum is designed in terms of course sequences and combinations that will provide students both with a broad background in the discipline and with a sound basis for a career, whether in planning, teaching or various government agencies and departments. While each student should, in consultation with the faculty, develop his or her own programme, the following sequences are recommended. Please note that the order in which the courses are listed here is the order in which we intend these courses to be taken. Some suggestions for relevant courses in other disciplines are also made; there are many other relevant courses in Geography and other subjects offered on the St. George Campus.

Sequence A: Physical Geography

A04, A05
B02, B21, B22, B03, B19, B18, B07, B15
C06, C15, C23, C25, C01, C05, C07, C12
GLGA01, NSCB02, MATA22

Sequence B: Urban/Economic Geography

A04, A05
B02, B16, B22, B05, B13, B20
C04, C13, C18, C01, C07, C12, C24
ANTB31, ECOB47, SOCB05

Sequence C: Landscape/Regional Geography

A04, A05
B21, B22, B05, B13, B17, B19, B23, B16
C04, C14, C17, C20, C01, C07, C12
GGR359F (St. George)

Sequence D: Environmental and Resource Geography

A04, A05
B02, B21, B22, B01, B03, B19, B18
C15, C20, C21, C23, C01, C07, C12
NSCA02, ECOA01

Sequence E: A General Programme in Geography

A04, A05
B22, B01, B03 or B19, B05 or B13, B17
C12, C13, C14

MAJOR PROGRAMME IN GEOGRAPHY

Supervisor of Studies: E.C.Relph

Students should normally complete not less than nine full courses (or equivalent) in Geography including the following:

(1) GGRA04Y and GGRA05Y — The Nature of Geography; Introduction to Geography

(2) GGRB02Y — Geographic Methods II: Analytical and Quantitative Methods

(3) GGRC01Y — Supervised Research

(4) GGRC12F/S or GGR320 — Contemporary Issues in the Philosophy of Geography; History and Philosophy of Geography (course available only on the St. George Campus)

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

GGRA04Y — The Nature of Human Geography

Exclusion: (GGRA08); (GGRA09)

Course description: An introductory course designed to acquaint students with the scope, the major approaches, the basic attitudes and methods of human geography. In the first term, the course will focus on the concepts, methods and practices of regional study, from the "natural region" to regional science, and from "objective" analysis to subjective interpretation. In the second term, the emphasis will be on spatial analysis, including elementary location theory, land use and spatial interaction, and problems of spatial structure and inequality in both urban and rural environments.

Instructors: P.W. Cave/M.F. Bunce Session: Winter Day

Content: Specific topics include: objectives and orientation of human geography; changing philosophical basis; environmentalism; regionalism and spatial analysis as related, alternate approaches; regional description; natural regions; regional science; interpretive themes in the study of regional landscapes; the scientific approach in human geography, theory and models; spatial analysis; measurement and classification; concepts of the unique and the general; subjective and objective explanation.

Teaching Method: Lectures and tutorials

Evaluation: Mid-term test, final examination and several assignments for tutorial sessions.

GGRA05Y — Introduction to Physical Geography

Exclusions: (GGRA06); (GGRA07); (GGRA08); (GGRA09)

Course description: An introduction to principles of physical geography. The course is designed for specialists in geography but is also suitable for non-specialists interested in obtaining some introduction to physical geography. The course will cover basic geomorphology, biogeography, climatology and meteorology.

Instructor: B. Greenwood/T.B.A. Session: Winter Day

Content: As in course description above.

Teaching Method: Lectures and laboratories

Evaluation: Laboratories, final examination.

GGRB01Y — Geography of Resources

Prerequisites: GGRA04 and GGRA05

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

Instructor: J. Dworkin Session: Winter Day

Content: Resource management will be examined using three broad perspectives: the economic, the ethnologic, and the ecological approaches. Specific resource issues include: water and air pollution, energy, solid waste management, environmental hazards, conservation, wildlife management, population, public participation, underdevelopment and resource use, and the legal aspects of resource management.

Teaching Method: Two hours of lectures per week plus possible tutorials.

Evaluation: Two 2-hour examinations and several short assignments.

GGRB02Y — Analytical and Quantitative Methods in Geography

Exclusions: ECOB11, PSYB07; (MATB52, MATB57)

Prerequisites: GGRA04 or GGRA05

Course description: An introduction to classical and Bayesian probability theory, frequency and sampling distributions, population parameters and statistical estimation, hypothesis testing, correlation and regression, sampling theory, and analysis of variance. Applications to geographic problems include spatial sampling, trend surface analysis, evaluation of spatial patterns, and spatial auto-correlatinn. Elementary computer programming is also included.

Instructor: J.R. Miron Session: Winter Day

Content: As in course description above.

Teaching Method: 2 hours lectures, 2 hours labs per week

Evaluation: Weekly assignments; mid-term, December and Final Examination.

GGRB03Y — Climatology

Prerequisites: GGRA04 and GGRA05

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

Instructor: T.B.A. Session: Winter Evening

Content: As in course description above.

Teaching Method: Lectures, laboratories

Evaluation: Labs, term papers and exams, to be determined.

GGRB05Y Urban Geography

Prerequisites: GGRA04 and GGRA05

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

Instructor: P.W. Cave Session: Winter Day

Content: As in course description above.

Teaching Method: Lectures and Tutorials

Evaluation: 2 essays, each worth 25%, 1 examination/term test in February worth 30%, Seminar assignments - 20%

GGRB13Y Cultural Geography

Prerequisites: (GGRA04 or GGRA05)

Course description: An elucidation of the main concepts of cultural geography through an examination of the characteristics, origins and experience of present-day landscapes.

Instructor: E. Relph Session: Winter Day
Summer Day

Content: Fall Term - the features of modern landscapes and their technological, architectural and cultural origins will be discussed. Spring Term - an examination of the meanings and qualities of landscapes and places.

Teaching Method: Lectures, tutorials

Evaluation: Probably based on a field investigation, an essay, and an examination.

GGRB15Y Coastal Geomorphology

Prerequisite: (GGRB19)
Corequisite: None but GGRB02 highly recommended

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

Instructor: B. Greenwood Session: Winter Day

Content: As in course description above.

Teaching Method: Lectures, field trips, labs

Evaluation: 1 essay, 1 term project, compulsory laboratories and a final examination.

GGRB16Y Local Area Studies

Prerequisites: Two A-level full course equivalents in Geography

Course description: This course aims to encourage an understanding of the character of local areas and particular places. Competence in making field observations and in interpretation and analysis is encouraged through several closely supervised research investigations of one or more areas.

Instructor: T.B.A. Session: Winter Day

Content: As in course description above.

Teaching Method: Lectures, field trips

Evaluation: Will probably be based on reports of field investigations

GGRB17Y Themes in Rural Geography

Exclusion: (GGRC02)
Prerequisites: GGRA04 and GGRA05

Course description: A thematic study of the geography of rural environments. Lectures and seminars in the first term will examine such themes as concepts of rurality, agricultural land use, rural settlement and community, the evolution of landscape, and rural-urban relationships. These will be discussed in various cultural contexts. In the second term seminars will concentrate upon some aspects and problems of rural Canada, including, for example, contemporary issues in Canadian agriculture, rural poverty, the rural-urban fringe and rural planning.

Instructor: M.F. Bunce Session: Winter Day

Content: The distinctiveness of rurality, origin and development of rural settlement, elements and patterns of rural settlement, the rural resource base, agricultural land use, rural industry and commerce, rural settlements and regions in contemporary society, rural planning, problems in rural Canada.

Teaching Method: Lectures, seminars, individual consultation.

Evaluation: Four assignments, including essays and practical exercises plus a final examination.

GGRB18Y Hydrology and Water Resources

Prerequisites: GGRA04 and GGRA05

Course description: The course presents a quantitative study of the processes governing the behaviour of water at or near the surface of the earth. Conventional techniques of analysis and prediction are considered as well as some of the applications to problems of water resources management planning.

Instructor: A.G. Price Session: Winter Day

Content: To understand some of the controls on the behaviour of surface and subsurface water. To develop a familiarity with methods of analysis and prediction of hydrologic phenomena. To appreciate changes in hydrologic regime caused, created deliberately or accidentally by human activity.

Teaching Method: 2 hours of lectures, 1 hour of labs per week

Evaluation: Laboratories, 1 mid-term, 2 term exams and 1 major assignment in Spring Term.

GGRB19Y General Geomorphology

Prerequisites: GGRA04 and GGRA05

Course description: Processes of surficial material development and landform evolution; weathering processes and soil development; hillslope form and process; principles of fluvial geomorphology and drainage system analysis; introductory coastal geomorphology; processes of landform evolution in arid regions; the geomorphic role of climatic changes; Pleistocene and present day glaciation; geomorphology as an applied geotechnical field.

Instructor: R. Bryan/B. Greenwood Session: Winter Day

Content: As in course description above

Teaching Method: Lectures, laboratories, research project

Evaluation: Research project, labs, final examination

GGRB20Y Introduction to Regional Science

Prerequisites: GGRA04, ECOA01

Corequisite: GGRB02

Course description: An introduction to analytical city planning, this course surveys quantitative approaches to the problem of urban regions. Topics include demographic analysis and population forecasting, regional economic growth and development programming, environmental quality and input output analysis, inter-regional trade, migration, and hierarchy linkages, intra-urban land use patterns, and planning evaluation methods. The course is designed to provide an overview and assessment of the methods and theories currently in use in Regional Science

Instructor: J.R. Miron Session: Winter Day

Content: As in course description above

Teaching Method: Three hours of lectures per week

Evaluation: Practical problem assingments; December and Final Examinations.

GGRB21S Aerial Photograph Interpretation

Exclusion: GGRB11

Prerequisites: GGRA04 and GGRA05 or Instructor's discretion

Course description: The geometric properties of aerial photographs are treated, and methods for analysing them are developed, including the measurement of heights and distances. The extraction of other types of information is also covered, including the application of aerial photograph interpretation to problems in geomorphology, soils, agriculture, forestry, and urban studies. The course will conclude with a brief treatment of modern remote sensing techniques.

Instructor: A.G. Price Session: Winter Day

Content: As in course description above

Teaching Method: 2 hours of lectures per week and 2 hours of laboratory work

Evaluation: Many laboratories, 1 project, 1 final examination

GGRB22F Cartography

Exclusion: GGRA03

Prerequisites: GGRA04 and GGRA05 or Instructor's discretion

Course description: An introduction to the compilation, construction, interpretation and use of a variety of types of maps. The course also introduces some of the basic field techniques used by geographers.

Instructor: T.B.A. Session: Winter Day

Content: As in course description above

Teaching Method: Lectures and labs

Evaluation: Labs and examination.

GGRB23Y Topics in Regional Geography

Prerequisites: GGRA04 or GGRA05

Course description: A systematic examination of the dynamics of regional geography as expressed in diverse patterns in different world regions. The precise regional examples used will vary from year to year in accordance with research interests of instructors involved and with interests of students.

Instructor: T.B.A. Session: Winter Evening

Content: As in course description above

Teaching Methods: Lectures

Evaluation: Combination of exams, term papers.

GGRC01Y Research Dissertation

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

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

Instructor: By arrangement Session: Winter Day and Evening

Content: Decided by each student in consultation with faculty

Teaching Method: Dissertation

Evaluation: Based on the dissertation submitted no later than March 31, and an oral examination.

GGRC04S Urbanization in Southern Ontario

Prerequisite: GGRB05

Course description: An advanced discussion course focussing upon the process of urbanization and its control and planning. The emphasis is upon the framework and programs of regional planning in southern Ontario, existing trends of land use and population change, and the relationship between urban and rural areas.

Instructor: P.W. Cave Session: Winter Day

Content: As in course description above.

Teaching Method: Seminar

Evaluation: 1 essay - 75%, seminar assignments - 25%

GGRC06S Biogeography Seminar

Prerequisites: GGRB03; and two of: (GGRB07), GGRB15, GGRB18, GGRB19

Course description: Fundamental concepts in Biogeography and Ecology in relation to specific processes affecting plant and animal distributions. Limited enrolment: 20.

Instructor: T.B.A. Session: Winter Day

Content: As in course description above

Teaching Method: Lectures/Seminars

Evaluation: Mixture of term papers and exams

*may not be offered 1978-79, depending on availability of instructor

GGRC07S Advanced Seminar

Prerequisites: At least fifteen full course equivalents of which at least seven must be in Geography. Permission of instructor is essential for registration in this course.

Course description: A course for fourth year geography majors, which is designed to provide an opportunity, i) to conclude the major programme by exploring areas of special interest through readings, and ii) through group discussion, to understand more about the relationship between the various specialised fields in the discipline. The course is a valuable follow-up to GGRC12F.

Instructor: T.B.A. Session: Winter Day

Content: As in course description above

Teaching Method: Flexible, but will involve individual consultation, special seminars, small-group workshops.

Evaluation: Paper on reading work.

GGRC12F Contemporary Issues in the Philosophy of Geography

Prerequisites: Any fifteen courses. By the end of the year in which the student takes this course at least seven other courses in geography must have been completed.

Course description: An examination of the major themes in contemporary geography and a critical discussion of the main philosophical positions adopted by geographers (positivism and the philosophy of science, pragmatism, philosophy of history, etc.). Alternative philosophical approaches of increasing popularity (phenomenology, Marxism, conceptual analysis) are also considered.

Instructor: E. Relph Session: Winter Day

Content: As in course description above

Teaching Method: Lectures

Evaluation: Several short annotated bibliographies; and essay integrating these; final examination.

GGRC13F A Theoretical Approach to Political Geography

Prerequisites: GGRA04 and GGRA05 and/or POLA02, one B-level course in Geography

Course description: An examination of theories and principles postulated to explain the relationships between geographical and political phenomena on various scales - local, regional and world-wide. The two main approaches emphasized are morphological and functional. The basic theme of the course is that an understanding of theoretical details is essential for the proper evaluation of the ever changing geographical conditions and political processes in different parts of the world. Limited enrolment: 20.

Instructor: J. Dworkin Session: Winter Day

Content: Specific topics include: the nature of political geography, the state - purpose and methods of analysis, the internal structure and functioning of the state, boundaries and frontiers, nationalism and its structural alternatives, geopolitical patterns, political ecological models, law-landscape realtions, international perspectives, and behavioural models.

Teaching Method: One 2-hour lecture/seminar per week

Evaluation: One examination, several review essays, and class participation.

GGRC15Y Soil Management and Conversation

Prerequisites: (GGRB10) or GGRB19

Course description: Application of soils geography to problems of resource use and management. Soil erosion and conservation procedures. Drainage and reclamation of wet soils; reclamation of polder soils. Soil surveys and agriculture. Problems of soils in Arctic and sub-Arctic. Soils of arid and semi-arid lands; irrigation salinization, reclamation.

Instructor: R.B. Bryan Session: Winter Day

Content: As in course description above

Teaching Method: Lectures and Research Project

Evaluation: Term paper, group research project and final exam.

GGRC20F Rural Planning and Development

Prerequisites: Any 3 B-level courses in Geography. Students with a background in other Social Sciences disciplines may be interested in this course: they will be admitted with permission of instructor

Course description: Examination of the special problems of rural settlement and land-use in the modern world, and discussion of planning and development policies. Central theme will be the differences between the problems of rural areas in affluent, industrialized regions and those in poor, less-developed regions.

Instructor: M.F. Bunce Session: Winter Day
Summer Evening

Content: The distinctiveness of the problems of rural areas and of rural society, differences between developed and developing world, rural poverty, problems of food supply, overpopulation, land-use competition, urbanisation, rural development programmes, argicultural change, settlement and land-use planning, rural and urban priorities.

Teaching Method: Seminars

Evaluation: Two assignments, including bibliographic review.

GGRC21F Economic Aspects of Water Resource Management

Prerequisites: GGRB01

Course description: Environmental issues in a regional context; conservation and resource management; regional development and environmental indicators. Problems of defining and implementing environmental standards. Environmental politics and decision making. Limited enrolment: 20.

Instructor: Judith Dworkin Session: Winter Day

Content: A broad range of water resources material will be covered from a social science perspective. This will include planning for water supply, water quality, flood control, and recreation. Attention will be directed toward some of the present methodological problems facing water resources planners. Topics will include methods for preparing projections, impact analysis, project evaluation, and public participation programs.

Teaching Method: Lectures, tutorials

Evaluation: Project exercises, final examination.

GGRC23F Physical Aspects of Water Resource Management

Prerequisites: GGRB18; students who have a credit in any of GGRB03; GGRB07; GGRB10 or GGRB15 may be admitted with permission of instructor

Course description: The physical repercussions of man's use of surface and sub-surface water, with particular emphasis upon the degradation of water quality by sewage, chemical, thermal and organic wastes. The course outlines the main sources of degradation and depletion of water resources and proposes some physical solutions to these problems.

Instructor: A.G. Price Session: Winter Day

Content: To understand the physical processes involved in the degradation of the water resource, and to increase awareness of the sources and costs of this deterioration, as well as formulating correcting strategies.

Teaching Method: One 2-hour lecture per week

Evaluation: 1 essay, 1 seminar and final examination

GGRC24S Advanced Quantitative Methods

Prerequisites: GGRB02

Course description: A treatment of advanced quantitative methods currently in use in Geography. Topics to be included will vary with the interests of staff and students and may be drawn from among the following: Multivariate statistical analysis including principal components, factor analysis, and discriminant analysis, systems modelling including estimation, prediction and simulation, and advanced probability models. An emphasis is placed on both the application of such tools and evaluations of their limitations.

Instructor: J.R. Miron Session: Winter Day

Content: As in course description above

Teaching Method: Three hours lectures per week

Evaluation: Practical problem assingments, term paper, and final examination.

GGRC25S Sedimentary Models

Prerequisites: GGRB19, (GGRB07), or GGRB15 or Geog. 311 (St.G)
Corequisite: None (in 1978-79)

Course description: This advanced course develops the basic principles of sediment transport mechanics necessary for the interpretation of the physical properties of sedimentary bodies. Detailed examination of a wide range of modern sedimentary systems will be undertaken to establish analogues for paleoenvironmental interpretation. Topics include: fundamental sediment properties, facies definition, tectonics and sedimentation, cyclic sedimentation, facies models, paleohydraulic interpretations. Laboratory and field work will be a course requirement.

Instructor: B. Greenwood Session:

Content: As in course description above.

Teaching Method: Lectures and Seminars - 2 hours per week
Laboratories and/or field trips - 2 hours per week

Evaluation: Seminar paper plus final examination.

GEOGRAPHY COURSES NOT OFFERED 1978-79

GGRB04Y Geography of Canada
Prerequisites: GGRA04

GGRB06Y The Geography of Economic Activities
Prerequisites: GGRA04

GGRB07Y Geomorphology: The Pleistocene Epoch
Corequisite: None. GGRB02 and GGRB03 are strongly recommended as some background in the scientific approach is necessary, but are not required.

GGRB08Y The Geography of Underdevelopment
Prerequisites: GGRA04
Corequisite: None. GGRB02 is recommended but not required

GGRB11Y Remote Sensing of Environment
Prerequisites: GGRA04 or GGRA05

GGRC05F/S Theory and Method in Modern Quantitative Geomorphology
Prerequisites: GGRB07, GGRB15 or GGRB19
Corequisites: None but GGRB02 is strongly recommended.

GGRC14F/S Settlement of Upper Canada
Prerequisites: Any three B-level courses in Geography or History.

GGRC17Y Landscape Evolution in Southern Ontario
Prerequisites: At least three B-level courses in Geography

GGRC18F/S Transportation Systems and Spatial Development
Prerequisites: Two B-level courses in Geography (GGRB06 and GGRB02 are highly recommended) or in Economics.

Geology

Discipline Representative: J. Westgate

Geology is the principal branch of the Solid Earth Sciences concerned with the origin, history and structure of the Earth. It is a scientific discipline providing a dynamic perspective view of the physico-chemical and biological process that have operated on the Earth by observations of rock materials. Because of the multidisciplinary nature of Geology, the course "Planet Earth: an Introduction to Geology" interfaces well with other fields such as Anthropology, Biology, Chemistry, Geography, Physics and Quaternary Studies, and provides a sound basis for further studies in these areas as well as a basis for specialization in Geology itself. (Students intending to specialize in Geology are advised to consult Professor J. A. Westgate - Room S521).

GLGA01Y Planet Earth: an Introduction to Geology

Exclusion: GLG140H and GLG141H (St. George)

Prerequisite: None, but one Grade 13 course in Mathematics and Grade 13 Chemistry or Biology or Physics are strongly recommended.

Course description: Fundamental concepts of physical and historical geology are discussed in the context of the Earth as a planet. The first part of the course deals with the composition, structure and origin of the Earth and the physical processes that operate on and in it. The second part details the chronological succession of physical and biological events on the Earth as revealed in the rock record.

Instructors: J.A. Westgate & N.D. Briggs Session: Winter Day

Other recommended courses: The suggested first year programme in Geology includes MATA26Y or MATA55Y, CHMA01Y, PHYA02Y and BIOA03Y.

Content: Specific topics include: evolution of the Earth and its place in Space; geologic time; Earth materials and the rock cycle; composition and structure of the Earth; internal geological processes, including igneous activity, metamorphism, deformation of the Earth's crust; plate tectonics; surficial geological processes and the history of the Earth with emphasis on North America.

Teaching Method: Lectures, tutorials, laboratory work and field trips.

Evaluation: 2 one-hour mid-term examinations
2 two-hour examinations
2 two-hour laboratory examinations
Laboratory exercises

GLGA02S Geology and Land Use Planning

Prerequisite: None

Course description: A course designed to show the relevance of geology in our daily lives. The fundamental theme is on problems of recognition, prediction, and control of geologic hazards and processes and their significance for optimum land use planning. No prior knowledge in the Earth Sciences is required.

Instructor: J.A. Westgate and T.B.A. Session: Winter Day

Content: Specific topics include: volcanic activity, earthquakes, and landslides; subsidence and collapse; surface waters and groundwater; waste disposal and treatment; resources and planning.

Teaching Method: Two hours of lectures a week and a field excursion.

Evaluation: One 1-hour mid-term examination
One 2-hour final examination
A report on the field excursion

German

Discipline Representative: H. Ohlendorf

Courses in German provide opportunities for the study of the language and of the literature of Germany, Austria and part of Switzerland. While language and literature courses may be combined in various ways by students who have completed the necessary prerequisite courses, those who intend to major in German should consult the German and Modern Languages and Literatures entries in the programme section of the two-year calendar. The Programme includes a language course during each year of study in order to maintain continuity in the development of practical skills.

MAJOR PROGRAMME IN GERMAN

Supervisor of Studies: H. Ohlendorf

To major in German, students must complete a minimum of nine B-level or C-level full-course equivalents (200, 300 or 400 series courses on the St. George Campus) including the following:

GERC10H (GERC04H) Conversation and Composition II
GERC23F (GERB09F) Middle High German

GERB43Y (GERB17Y) (The German Novel from Goethe to Grass) and GERB40Y (GERB21Y) (The Development of German Drama) do not count toward fulfilment of these requirements.

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

First Year:	First Term:	GERB20
	Second Term:	GERB20; GERB50 (GERB10)
Second Year:	First Term:	GERB30 (GERB04); GERB53 (GERB01) or GERB56 (GERB05); GERB63 or GERB66 (GERB02) (GERB16); GERB36 (GERB18)
	Second Term:	GERB30 (GERB04); GERB60 (GERB15) or GERB70 (GERB03); GERB73 (GERB07) or GERB76 (GERB08)
Third Year:	First Term:	GERC10 (GERC04); GERB60 (GERB15) or GERB70 (GERB03); GERC13 (GERB11); GERC33 (GERC02); GERB33 (GERB06)
	Second Term:	GERC10 (GERC04); GERB60 or GERB70 (GERB03) (GERB15); GERC13 or GERC20 (GERB12) (GERB11); GERB73 (GERB07) or GERB76 (GERB08)
Fourth Year:	First Term:	GERC23 (GERB09), GERC13 (GERB11) or GERC20 (GERB12)
	Second Term:	GERC13 (GERB11) or GERC20 (GERB12); GERC36 (GERC03)

All students of German are urged to confer with their instructors at the earliest possible date in order to establish a comprehensive and coherent plan of study.

MAJOR PROGRAMME IN GERMAN AREA STUDIES

Supervisor of Studies: H. Ohlendorf

The German speaking areas in Europe have throughout their history exerted a major formative influence on Western civilization, be it in the fields of politics and economics or through their contributions to literature, the arts, and philosophy. Awareness of this significant fact is clearly reflected in a large number of courses in the Social Sciences and the Humanities at Scarborough College.

In order to offer the student of German Area Studies a cohesive interdisciplinary plan of study we have grouped these courses below. This is a programme of 14 courses.
Required for every student are the German language courses GERB20, GERB30 (GERB04), GERC10 (GERC04) and two full course equivalents in German Literature. Five (5) courses are to be drawn from the core groups A, B, or C. The remaining four (4) courses should be selected from groups A - E, excluding your core choice.

A. History

HISA01Y The European World
HISB17Y Germany in the 19th & 20th Centuries
HISC17Y European Society & Culture between the World Wars
plus two courses from among
HISB13Y Europe in the Reformation Era 1500-1650
HISB15Y Aspects of European Social History 1789-1918
HISB18Y Europe under the Enlightened Despots

B. The Arts

FARB28Y Art of the 20th Century
MUSA01Y Introduction to Music
MUSB02F Haydn, Mozart, Beethoven
MUSB06F Music of the Romantic Period
plus two full course equivalents from among the following:

FARB13F Art of the 1st Half of the 19th Century
FARB14S Art of the 2nd Half of the 19th Century
FARB24Y Medieval Art (IV-XIV Centuries)
FARB36F/S Expressionist Trends in Western Art from Van Gogh to Jackson Pollock
FARB43Y Renaissance in Europe
FARB44Y Baroque in Europe
MUSB01S Music of the 20th Century
MUSB05S Music of the Baroque Era
MUSB07F The Symphony
MUSB13F/S Bach

C. Philosophy

PHLA01Y Fundamental Questions of Philosophy
PHLB12F/S Marx & Marxism
PHLB30F/S Existentialism
PHLB48F Philosophy in the Later Modern Age I
PHLB49S Philosophy in the Later Modern Age II
plus two full course equivalents from among the following:
PHLB03F/S Philosophy & Art
PHLB04F/S Philosophy in Literature
PHLB15F/S Philosophy of History
PHLB60F/S Existence & Reality
PHLB70F/S Philosophy of Science
PHLB80F/S Philosophy of Language
PHLB46F Philosophy in the Early Modern Age I
PHLB47S Philosophy in the Early Modern Age II

D. Politics & Economics

ECOB68F/S Comparative Economic Systems
ECOB82Y European Economic History
POLA03Y Introduction to Comparative Politics
POLB03Y Political Thought of the 18th and 19th Centuries

POLB18Y Comparative Politics of Western Europe
POLB29Y 20th Century Political Thought
POLB34F/S Intergovernmental Relations in the European Economic Community

E. Drama & Humanities

DRAB02Y The Directors' Theatre
DRAB04Y The History of the Theatre II
DRAC11Y Individual Studies in German Theatre and Drama
HUMB01S The Emergence of Modern Prose
HUMB02F Disaster and the Literary Imagination
HUMC19Y Contemporary Fiction and its Background

Students interested in German Area Studies should contact the programme adviser as soon as possible to ensure that a satisfactory and cohesive sequence of courses is selected.

GERA10Y Introductory German

Course description: The fundamentals of grammar and syntax.

Instructor: TBA Session: Winter Day

Content: The course is designed to help the students acquire the fundamental principles of German grammar and syntax. A basic textbook will be used throughout the year, and a variety of reading materials will be introduced early in the course to initiate conversation.
The students are exposed to the four language skills (listening, speaking, reading, writing) from the very beginning of the course and are constantly encouraged to use previously learned material in a new context. Emphasis is placed on the constant practice of the four language skills in a variety of combinations.

Teaching Method: Four hours of lectures and two hours of supervised practice in the language laboratory per week.

Evaluation: There will be a number of short quizzes, unit tests, and a final examination.
Class participation will play a major role determining the final grade.

GERB20Y Intermediate German

Exclusion: (GERA11)
Prerequisite: Grade 13 German or GERA10

Course description: Intensive language work focusing on readings, oral and written composition.

Instructor: TBA Session: Winter Day

Content: The course is designed to expand the active and passive vocabulary of the students through a variety of reading materials. A thorough grammar review accompanies the reading selections. As the course progresses, the emphasis on grammar decreases in favour of literary discussions and conversation. Short stories and a play by contemporary German writers will supplement the textbook for the course. In addition, mimeographed material on current events will be introduced from time to time to spark class discussion.

Teaching Method: Three hours of lectures and one hour of supervised oral practice per week. The students are expected to prepare regular homework assignments and participate in class discussions.

Evaluation: There will be a number of quizzes, tests, and a final examination. Class participation will play a major role in determining the final grade.

GERB30Y Conversation and Composition I

Exclusion: GERB04
Prerequisite: (GERA11) or GERB20

Course description: A continuation of the language work done in GERB20

Instructor: TBA Session: Winter Day

Content: There will be various kinds of language exercises centered around different textbooks. A more sophisticated grammar review will enable the student to develop all four language skills of reading, writing, speaking, and translating (English to German). Short pieces of prose and poems will offer a basis for literary analysis. In addition, mimeographed material on current events will be introduced to spark class discussion and to encourage oral and written analysis in German. On an advanced level the course intends to foster the students' mastery of grammar and to develop their ability to converse in German with ease and clarity on any subject both of a general and a literary nature.

Teaching Method: Three hours of informal, yet structured discussion per week. German will be the exclusive language of instruction.

Evaluation: Written assignments and a number of short quizzes. Degree and level of class participation, however, will carry greatest weight in determining final grade.

GERB33S History of German
Exclusion: GERB06
Prerequisite: Grade 13 German or GERA10

Course description: A historical view of the German language from its beginnings within the Indo-European group to the present. Special attention will be given to the three main historical eras of the language and to the linguistic phenomena which serve to demarcate the eras from one another.

Instructor: J.D. Woods Session: Winter Day

Teaching Method: Class discussion of course material.

Evaluation: Tests and/or essays (to be decided by each individual student after consultation with the instructor) and evaluation of contribution to class discussion. Subject to the approval of the appropriate decision-making body, there will be no final exam in this course.

GERB40Y The Development of German Drama

Exclusion: GERB21

Course description: The course is intended to familiarize the student with the major trends in German drama during the 19th and 20th centuries. The plays will be read against the social and political background of their time. Depending on the availability of translations we shall begin with the Romantics and end up reading contemporary plays.

Instructor: H. Ohlendorf Session: Winter Day

Evaluation: 2 essays. Class participation.

Format: 1 2-hr. seminar/week.

GERB50S Introductory Seminar on German Literature

Exclusion: GERB10S
Prerequisite: Grade 13 German or GERA10
Corequisite: (GERA11) or GERB20

Course description: An introduction to the techniques of literary analysis, applied to representative texts of the eighteenth, nineteenth and twentieth centuries.

Instructor: Horst Wittmann Session: Winter Day

Content: Poems and short pieces of prose from the Baroque to the present will be analysed in close reading. Prosody and metrics will be dealt with at some detail, special attention will also be given to the relationship of form and content. In the final section patterns of rhetoric, syntax, and style will be investigated in the analysis of prose texts. The course will introduce the literary work of art as an intricately structured and coherent unit, it intends to familiarize the student with the fundamental criteria and techniques required for the analysis of literary works.

Teaching Method: All sessions are informal tutorials. Free flowing discussions with a high degree of student involvement.

Evaluation: Each student is asked to prepare a number of short presentations which will be evaluated in class. Class participation plays a major part in the final evaluation.

GERB56S Literature of the Baroque and Enlightenment

Exclusion: GERB05
Prerequisite: (GERA11) or GERB20
Corequisite: (GERB04) GERB30

Course description: A study of seventeenth and eighteenth century literature with special emphasis on Grimmelshausen and Lessing. Poetry will be selected from the works of Gryphius, Fleming, Günther, Klopstock and others. An exploration of themes such as the impact of war on human consciousness and the emergence of the humanistic tradition of German Idealism.

Instructor: Horst Wittmann Session: Winter Day

Content: The course is designed to introduce the student to major works of the 17th and 18th century in the fields of poetry, prose, drama and literary theory. It includes a detailed discussion of the theory and practice of Baroque poetry and a close reading of some of Klopstock's poetry. An analysis of Grimmelshausen's novel Simplicius Simplicissimus is followed by an exploration of the roots of German Idealism. The last part of the course will deal with Lessing as a playwright and literary critic.

Teaching Method: 3 hours of a mixture of lectures and discussion per week.

Evaluation: 2 one-hour examinations in class and a short paper. Class participation will play a significant role in determining the final grade.

GERB60S Nineteenth Century Prose

Exclusion: GERB15
Prerequisite: (GERA11) or GERB20
Corequisite: (GERB04) GERB30

Course description: A study of the novella form centering on representative works of major writers in the 19th Century (e.g. Brentano, Grillparzer, Stifter, Keller, Meyer, Storm, Büchner).

Instructor: Horst Wittmann Session: Winter Day

Content: The method of the course is both historical and systematic. Works from three major periods of the 19th Century will be discussed: Romanticism ([Kleist]), Brentano, Eichendorff), Biedermeier (Grillparzer, Stifter, Gotthelf) and Poetic Realism (Droste-Hülshoff, Meyer, Storm). Georg Büchner's role as the most innovative writer of his time and as the precursor of 20th Century man will be assessed. Focal Points: The clash between ideal and reality, narrative technique, the history and the theory of the novella, the relationship between the evolution of ideas and the character of a literary work of art, the development of the short prose form in the 19th Century.

Teaching Method: Three hours of a mixture of lectures and discussion sessions per week.

Evaluation: Short quizzes and a paper. Class participation will play a major role in the final evaluation.

GERB66F Twentieth Century Prose

Exclusion: GERB02
Prerequisite: (GERA11) or GERB20
Corequisite: (GERB04) GERB30

Course description: Main literary trends in Germany from the turn of the century to the present. A study of works by Rilke, Musil, Mann, Kafka, Hesse, Böll and Grass.

Instructor: Horst Wittmann Session: Winter Day

Content: The course is divided into 3 parts with the following themes: 1. Crisis of consciousness and language (Hofmannsthal, Rilke, Musil, Kafka); 2. The conflict of art and life (Mann, Hesse); 3. Art and morality (Grass, Böll). It intends to show the genesis of modern prose as it emerges from the conflict between the consciousness of the writer and an increasingly complex reality shaped by the revolution of science and technology. Its main goals are to explore the resulting attitude of the writers toward language, toward the structure of society and toward the concept of individuality.

Teaching Method: Three hours of a mixture of lectures and discussion sessions per week.

Evaluation: A number of short quizzes and a paper. Class participation will play a major role in final evaluation.

GERB76F Features of Post-war German Literature

Exclusion: GERB08
Prerequisite: GERB20
Corequisite: (GERB04) GERB30

Course description: This course will illustrate the resurrection of German literature after the disaster of National Socialism. The reading list includes works by Böll, Bachmann, Johnson, Wohmann, Weiß, Hochhut and Handke.

Instructor: Horst Wittmann Session: Winter Day

Content: Analysis and discussion of literary texts will focus on four major themes: 1. The relationship of collective guilt and individual responsibility, 2. language and totalitarianism, 3. the rôle of modern man in a mechanized, affluent society, 4. the didactic uses of history in modern theatre. The course intends to enable the student to relate structure, language and content of major examples of post-war literature to the peculiar socio-political situation of Germany after Auschwitz,and to show the emergence of the writer as the conscience of a new Germany.

Teaching Method: Three hours of a mixture of lectures and discussion sessions per week.

Evaluation: A number of short quizzes and a paper. Class participation will play a major role in final evaluation.

GERC10Y Conversation and Composition II

Exclusion: GERC04
Prerequisite: GERB04

Course description: Emphasis will be placed on refining the skills of oral and written composition, of textual analysis and translation.

Instructor: H. Ohlendorf Session: Winter Day

Content: This course is a continuation of GERB30Y (GERB04). There will be various kinds of language exercises, selected according to the students. Themes for discussion and composition will be chosen from a wide variety of areas. At the end of this course, the student should be able to write and converse in idiomatic German with a high degree of fluency. He should be able to translate with ease texts of some complexity into both English and German.

Teaching Method: Three hours of informal, yet structured discussion per week. The language spoken in class is German.

Evaluation: Evaluation is based on frequent written assignments and a number of quizzes. The degree and level of class participation will play a major role in determining the final grade. There will be a final examination.

GERC20Y Literature of 'Sturm and Drang' and Romanticism

Exclusion: GERB12
Prerequisites: (GERA11) or GERB20
Corequisite: GERB04

Course description: The early dramatic and poetic writings of Goethe and Schiller, e.g. Götz Von Berlichingen and Die Räuber, will be studied along with works by authors such as Lenz, Klinger, et al. The themes and forms first emerging in the Sturm and 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.

Instructor: H. Ohlendorf Session: Winter Day

Teaching Method: Three hours of seminars per week.
Evaluation: Two major papers, class participation will play a major role in the final evaluation.

GERC23 F Introduction to Middle High German
Exclusion: GERB09
Prerequisite: (GERA11) or GERB20
Corequisite: GERB04

Course description: The structure of the Middle High German language, illustrated through selected works of the literature.

Instructor: J.D. Woods Session: Winter Day

Teaching Method: Class discussion of course material.

Evaluation: Three one-hour tests, one two-hour test (near end of term), and evaluation of contribution to class discussion. Subject to the approval of the appropriate decision-making body, there will be no final exam in this course.

GERC48Y Supervised Reading

Prerequisites: (GERB04) GERB30

Instructors: Staff Session: Winter Day

Content: The course is designed to give senior students an opportunity to follow up on ideas generated during the more formal course of instruction. Topics and/or projects are formulated in close consultation between student and supervisor chosen by student.

Teaching Method: Informal tutorials.

Evaluation: Two medium length or one major paper.

GERC30,C33,C43F Supervised Reading
GERC36,C40,C46S

Prerequisite: (GERB04) GERB30

Instructors: Staff Session: Winter Day

Content: Courses are designed to give senior students an opportunity to follow up on ideas generated during the more formal course of instruction. Topics and/or projects are formulated in close consultation between student and supervisor chosen by student.

Teaching Method: Informal tutorials

Evaluation: One paper

Interested students should contact Professor H. Ohlendorf.

Courses not offered in 1978-79:

GERB36F/S Structure of German
Exclusion: GERB18F/S
Prerequisite: (GERA11) or GERB20
Corequisite: GERB04

GERB40Y The Development of German Drama
Exclusion: GERB21Y

GERB43Y *The German Novel from Goethe to Grass*
Exclusion: GERB17Y

GERB53F German Literature before 1775
Exclusion: GERB01F
Prerequisite: (GERA11) or GERB20
Corequisite: GERB04

GERB63F Nineteenth Century Drama
Exclusion: GERB16F
Prerequisite: (GERA11) or GERB20
Corequisite: GERB04

GERB70S Twentieth Century Drama
Exclusion: GERB03S
Prerequisite: (GERA11) or GERB20
Corequisite: GERB04

GERB73F Modern German Poetry
Exclusion: GERB07F
Prerequisite: (GERA11) or GERB20
Corequisite: GERB04

GERC13Y Classicism
Exclusion: GERB11Y
Prerequisite: (GERA11) or GERB20
Corequisite: GERB04

Greek

Courses are offered in introductory Greek, GRKA01 and GRKA10 and Greek literature of the classical period (GRKB01, GRKB30, etc.).

For further information see under Classical Studies.

GRKA01Y Introductory Greek

GRKA10F Introduction to Greek Authors

GRKB01S Plato: Apology

GRKB30F-B34F
GRKB35S-B39S Supervised Reading
GRKB40Y

GREEK AND ROMAN HISTORY

The following courses are offered this year:

GRHB01 - Greek history from the Bronze Age to the Death of Alexander
GRHB03 - Roman history from the Eracchi to Nero
GRHB27 - Studies in Roman History: Pompeii

For further information see under Classical Studies.

History

Discipline Representative: A.N. Sheps

The study of History is intended to enhance our understanding of man in society by examining the experiences of particular peoples and their societies in the past. Its findings depend upon the precise evaluation of specific evidence. History's concerns and goals are humanistic; its methods draw from all forms of scholarly endeavour. History courses, therefore, can play a part in a number of inter-disciplinary programmes and can serve as an adjunct to courses in Politics, Philosophy, Literature, Economics and Sociology.

The History programme combines a variety of approaches and teaching methods in order to satisfy a number of purposes. Comprehensive courses (HISA01-HISB09 both provide a foundation in their areas and serve as preparation for more detailed studies. In advanced courses (HISB10-HISC99) students investigate more specific areas or periods or problems. C-level seminars require students to make close and thorough studies of primary sources and other evidence and to present their findings in discussions and in a major paper. Sequences of courses at all levels are available in the following areas: Modern European, Modern British, American, Canadian, Medieval European, Russian and Ancient Greek and Roman.

Students are strongly advised to enrol in HISA01 early in their academic programmes and to enrol in no more than two C-level courses or their equivalent in any one academic year.

MAJOR PROGRAMME IN HISTORY

Supervisor of Studies: A.N. Sheps

Students must complete a minimum of nine full courses in History (HIS or GRH), including HISA01Y and five advanced courses (HISB13Y-HISC99Y, GRHB24F/S-GRHB27Y. HIS300 and 400 level courses on the St. George Campus). Of these at least two must deal with some period prior to the year 1815 (see following list of pre-1815 courses). In addition students are required to take courses in the history of at least three different areas (Greek and Roman, Medieval, European, British, Canadian, United States, Russian), and to take two advanced courses in each of two of these three areas. Students should meet with the Supervisor of Studies as soon as possible.

Pre-1815 courses

List A

Full-year courses exclusively within a period before 1815

GRHB01Y:	History of Greece from 2000 B.C.
GRHB02Y:	Greek and Roman History from the death of Alexander
GRHB03Y:	Roman History from the Gracchi to Nero
GRHB25Y:	Studies in Greek History I
GRHB26Y:	Studies in Greek History II
GRHB27Y:	Studies in Roman History: Pompeii
GRHB28Y:	Studies in Roman History
HISB08Y:	Europe in the Middle Ages
HISB13Y:	Europe in the Reformation Era, 1500-1650
HISB14Y:	Society in Early Modern Europe, 1500-1800
HISB18Y:	Europe under the Enlightened Despots
HISB27Y:	Europe, 400-1100
HISB61Y:	The Beginnings of France: Constantine to Charlemagne
HISC14Y:	The European Mentality in the Early Modern Period
HISC32Y:	The American Colonies and the British Empire
HISC62Y:	The Crusades

List B

Half-year courses exclusively within a period before 1815

GRHB24F/S:	Ancient historiography
HISC34F/S:	Revolutionary America 1760-1790
HISC41F/S:	Old Huronia

List C

Full-year courses covering a period before 1815 in the first half of the year (equivalent to half-year course credit)

HISA01Y:	The European World
HISB07Y:	Russia from the Thirteenth Century to the Present

HISA01Y The European World: An Introduction to History

Course description: A survey of European society from the Middle Ages to the present. This course will examine major trends in politics, economy, society and thought, and involves readings from selected primary and secondary sources.

Instructors: J.L. Pearl/M. Eksteins Sessions: Winter Day

Content: Among topics covered are: Medieval Society, The Renaissance and Reformation, The Scientific Revolution, Industrialization, Socialism, Marxism, World Wars I and II.

Teaching Method: Lectures and Tutorials

Evaluation:

1 three-hour final examination
1 one-hour examination
Essays and Research papers (at least thirty pages per student in at least three projects).

HISB02Y Britain from the Eighteenth Century to the Present

Exclusions: (HISB01Y): (HISB02S)

Course description: An examination of the political, social, economic and religious forces which transformed an aristocratic society into an industrial power, and of the reasons for the decline of British power in the twentieth century.

Instructor: J. Kenyon Session: Winter Day

Content: The course will be concerned with the problems caused by the transformation of an agrarian into a highly industrialized economy, of an aristocratic into a liberal democratic society and of a society based on the ideology of the Enlightenment into one committed to those of evangelical humanitarianism. It will also consider the reasons why in the twentieth century the British have abandoned their imperial role and have concentrated on the establishment of a welfare state.

Teaching Method: Lectures and tutorials

Evaluation: 2 essays
1 final examination

HISB03Y History of the United States

Course description: Major themes from the Revolution to the present, including independence, political organization, political parties, territorial expansion, nationalism and sectionalism, reform movements, the slavery and civil rights question, the response to industrialization, progressivism and the United States as a world power.

Instructors: A.N. Sheps/W.M. Dick Sessions: Winter Day and Evening

This course is intended to give students a general knowledge of the outline of U.S. history and to introduce them to the main debates with which America historical literature is concerned. It is designed to serve as a self-contained course for those whose major interests lie elsewhere, as a foundation for more advanced courses in American history, and as a background for courses in American politics or literature.

Organization and Evaluation: Two lectures per week in which there will be time for questions. One tutorial per week, usually devoted to exploring some particular problem based on the assigned readings. Examinations at the end of each term will be worth a total of 50% of the final grade; an essay each term and participation in tutorials will be evaluated to determine the other 50%.

HISB07Y Russia from the Thirteenth Century to the Present

Course description: The Russian people, state and culture, with emphasis on the major social, institutional and ideological changes from the rise of Moscow to the present.

Instructor: E.W. Dowler Session: Winter Day and Evening

Content: Emphasis will be placed on the major institutional, social and ideological developments which characterized Russian life during these centuries. Wherever possible readings have been selected from primary source materials so that students will become acquainted not only with the facts but with the flavour of Russian culture.

Teaching Method: Lectures and tutorials.

Evaluation: There will be an examination at the end of each term on that term's work only. There will also be one long (3000-4000 words) essay or two short (1500-2000 words) essays in each term. Tutorial participation is important for the final grade.

HISB08Y Europe in the Middle Ages

Course description: An introductory course covering Western Europe (including Britain) from the late Roman period to the fifteenth century. A chronological survey of economic, political, religious and social developments.

Instructor: M. Gervers Session: Winter Day

Content: This course is intended as a foundation for further studies in medieval history, as an accompaniment to courses in Medieval European art, literature of philosophy, and as a complete examination of the medieval past for interested students. Particular attention will be paid to 1) the continuity between the Roman, Medieval and Modern periods, 2) the progressive settlement of Europe, 3) the development of European culture and 4) the institutional foundations of the post-medieval era.

Organization and Evaluation: Two lectures and one tutorial per week. Two essays (one per term) will constitute 50% of the final grade; tests and examination will make up the rest.

Bibliography: R.H. Bautier, The Economic Development of Medieval Europe; H.S. Bennett, Life on the English Manor; Denys Hay, The Medieval Centuries; J. Huizinga, The Waning of the Middle Ages; M. Keen, The Pelican History of Medieval Europe; H. St. L.B. Moss, The Birth of the Middle Ages: 395-814; R.W. Southern, Western Society and the Church in the Middle Ages; B. Tierney, The Middle Ages, I: Sources of Medieval History; Lynn White, Jr., Medieval Technology & Social Change; Philippe Wolff, The Awakening of Europe.

HISB09Y Introduction to Canadian History

Exclusions: HISB05F; HISB06S

Course description: Exploration and settlement; the institutions and life of New France; the British Conquest and its results; the impact of the American Revolution on British North America; development of the British colonies in North America; the confederation movement; the political, economic, social, and cultural history of the new nation-state established in 1867.

Instructors: W. McKay/I. Robertson Session: Winter Day

Teaching Method: Two lectures and one discussion group per week. Essays, book reviews and oral presentations required in each term.

Evaluation: Class participation, essays and other written assignments, mid-year and final examinations.

Preparatory Reading

W.L. Morton The Kingdom of Canada
D. Creighton Dominion of the North

HISB13Y Europe in the Reformation Era 1500-1650

Prerequisite: HISA01

Course description: An examination of major themes in sixteenth century Europe, especially social and cultural developments. There will be strong emphasis on the religious issues and institutions which were so important in that period, and on the interaction of these with the society and culture.

Instructor: J. L. Pearl Session: Winter Day and Summer Evening

Content: Sixteenth century class structure, social and political institutions, Intellectual and Cultural Life, The Reformation Movement, both Protestant and Catholic.

Teaching Method: Lectures and discussion groups

Evaluation:

1 one-hour final essay test
2 research papers, approximately 15 pages each
participation in discussion sessions

HISB15Y Aspects of European Social History 1789-1918

Prerequisite: HISA01

Course description: A course in international history tracing the development of the mass society from the upheaval of the French Revolution to the end of World War I. Pre-industrial "crowds" and popular responses to industrialization will be studied together with the institutions into which mass action was gradually channelled.

Instructor: W. M. Dick Session: Winter Day

Teaching Method: *One double lecture and one tutorial per week.*

Evaluation

Two term papers
Tutorial participation
Final examination

HISB17Y Germany in the Nineteenth and Twentieth Centuries

Prerequisite: HISA01

Course description: A thematic treatment of German history from the end of the Holy Roman Empire to the present, concentrating on social, economic, and cultural interpretations of Germany's political experience.

Instructor: M. Eksteins Session: Winter Day and Summer Evening

Content and Organization: Beginning with the emergence of Prussia as a European power and with social and intellectual developments in the 18th century, and concluding with a comparative treatment of the postwar Germanies, east and west, the course focuses largely on imperial Germany and the Weimar and Nazi experiments. The nature and social impact of industrialization, the strains accompanying the modernization of a 'belated' society, the domestics roots of foreign policy, and the relationship between humanism and barbarism, are some of the important broader issues dealt with in this course.

Teaching Method: Two consecutive hours of lectures; and one hour of tutorial per week. A set of prescribed readings from primary and secondary sources will be assigned, but extensive further reading is essential.

Evaluation: Tutorial participation, two terms papers, and a final examination are required.

HISB18Y Europe Under the Enlightened Despots, 1700-1789

Prerequisite: HISA01Y Exclusion: HISB28Y

Course description: An examination of the ideals of the Enlightenment against the background of the social and political reality of Europe in the eighteenth century. Emphasis will be placed on the incongruity of theory and practice in the writings and policies of the enlightened despots.

Instructor: E.W. Dowler Session: Winter Day

Content: In the first term the course will focus on the ideas of the Enlightenment and the social, economic and intellectual milieu which spawned them. In the second term the attempts of the so-called enlightened despots to apply Enlightenment ideas to the social, economic and political life of their states will be examined.

Teaching Method: Lectures and tutorials

Evaluation:

2 essays (3000-4000 words).
1 Final examination.

HISB21F Frontier Communities in the British Empire-Commonwealth: The South African Model

Prerequisite: HISB01

Course description: A comparative study of the influences of frontiers on the development of new nations. Major issues such as settlement, class structure, race relations, democracy and nationalism, and relations with the metropolitan power, are considered. The main emphasis will be on the history of South Africa.

Instructor: J. Kenyon Session: Winter Evening

Content: In South Africa the problems of a frontier society have been compounded by the existence of three races, African, Afrikaaner and British. The purpose of the course is to explain the success of the Afrikaaners in establishing in the twentieth century an independent republic based on their traditional ideal of apartheid. Moreover this was achieved in the face of major challenges from an alien British administration more concerned with imperial than South African interests, from missionaries and colonial reformers who sought to plan the development of a South African society with very different value standards and from the force of economic imperialism set alive by the discovery of diamond and gold mines.

Teaching Method: Lectures

Evaluation: 1 essay
1 final examination

HISB22S British Imperialism in India

Prerequisite: HISB01

Course description: The impact of imperialism on India; the motive behind British imperialism; the problems of administration; the transfer of power; neo-colonialism.

Instructor: J. Kenyon Session: Winter Evening

Content: Britain was to exercise authoritarian power in India for two hundred years from the middle of the eighteenth century until the transfer of power in 1947. During this period British society was to be transformed just as extensively as was that of India. The problem for the historian is to measure the impact on India for good or evil of Britain whose own character was being changed in such a fundamental way. It is also necessary to understand the reaction of the Indian people to these developments and to examine in particular the controversy between those who believed that the struggle for freedom from imperial rule would result in the restoration of traditional Indian society and those who were fighting this struggle in order to achieve self-government in terms of the British system of parliamentary democracy.

Teaching Method: Lectures

Evaluation: 1 essay
1 final examination

HISB31Y The Southern United States and Slavery

Prerequisite: HISB03

Course description: The social, political and economic structures of the old South from the colonial period to the Confederacy, the development of southern culture, the relationship between ideas and institutions, slavery as a social and economic system, race relations, and the growth of Southern separatism.

Instructor: A.N. Sheps Session: Winter Day

Organization and Evaluation: One two-hour lecture and one 1-hour tutorial per week. All tutorials will be led by the instructor. The lectures will involve some class discussion and will raise questions to be pursued in tutorials. There will be specific reading assignments for each week. Term work will consist of regular reading and discussion, two brief written reports in the Fall term, and an essay in the Spring term. There will be a final examination.

HISB35Y The United States since 1870; The Response to Industrialism

Prerequisite: HISB03

Course description: How a nation dedicated to equality and individualism responded to the problems created by large scale industrial organization. Social mobility, ethnicity, relations between government, labour and capital, social welfare, and the implications of industrial development for foreign policy are among the topics discussed.

Instructor: W. M. Dick Session: Winter Day

Teaching Method: One double lecture and one tutorial per week.

Evaluation:

Two term papers
Tutorial participation
Final Examination

HISB43Y Ontario History: the 19th Century

Prerequisites: HISB05; HISB06 or HISB09Y

Course description: The land; transportation; economics; social issues; political parties; pioneers and immigrants; forces of international commerce and finance; cultural and religious developments.

Instructor: W. A. McKay Session: Winter Day

Teaching Method: One lecture and one discussion group per week. Essays, book reviews and oral presentations are required.

Evaluation:

Class participation
Essays
Tests.

Preparatory Reading:

L. Gates: Land Policies of Upper Canada
G. Craig: Upper Canada: the formative years, 1784-1841.

HISB47Y The Canadian Left, 1867 to the Present

Exclusion: HISB47S
Prerequisite: HISB06

Course description: An investigation of farmer, labour, and socialist movements since Confederation, their roots in the changing social structure, and their political manifestations. The emphasis will be on the 20th century, and attempts will be made to assess the significance of the international affiliations and/or origins of the various movements, and to account for the unique character of the Canadian Left.

Instructor: I.R. Robertson Session: Winter Day

Organization and Evaluation: One two-hour lecture and one one-hour tutorial per week. Regular attendance at and participation in tutorials are required. Written work will include a final examination and two research papers. See instructor for a detailed course outline.

HISB61Y The Beginnings of France: Constantine to Charlemagne

Prerequisites: Any one of GRHB03, HISB08, HISB27

Course description: After a brief survey of the later Roman Empire in the west, the course will cover the period from the age of Constantine concluding with a study of the world of Charlemagne.

Instructor: J. Corbett Session: Winter Evening

Content: Major topics include: background (Roman Empire and Christian Church); The Age of Constantine; Life and Letters in late Roman Gaul (300-500 A.D.); the Kingdom of the Franks (500-600 A.D.); the World of Charlemagne. Special emphasis will be placed on social, economic and religious aspects of the period. Students will be expected to acquire a general familiarity with the literature on the subject to choose one topic area each term and present a paper on it, and to develop a personal view of the subject.

Teaching Method: One 2 hour lecture and one 1 hour tutorial per week. All the tutorials will be led by the lecturer personally. The lectures will give the necessary background information and some analysis, raising questions to be considered in the tutorials. My teaching style is informal; questions and discussions will be welcomed in lectures as well as tutorials. Students will be encouraged to consult with me about their reading and essays.

Evaluation: Essays and oral presentations (one of each per term) 64%; final written exam 36%.

Note: A detailed Course Outline and Bibliography are available on request.

HISC01F)
HISC02S) Independent Studies
HISC03Y)

Prerequisites: At least one B-level course in History; permission of instructor to be obtained in the previous term, by 15 April for HISC01 and HISC03 and by 1 December for HISC02. See History Supervisor of Studies for detailed application procedures.

Instructors: The History Faculty Session: Winter Day

Content: A directed reading course which provides qualified students with an opportunity to investigate an historical field which is of common interest to both student and instructor and which is not available for study otherwise. It is open only to students in the final year of their undergraduate programmes who have demonstrated a high level of academic maturity and competence.

Organization and Evaluation: Candidates must submit a written application and find a willing supervisor before the application dates. Students will undertake individual investigations and will meet regularly with the supervisor to discuss progress. They will complete a 7500-10,000 word paper for a term course and a 15,000-20,000 word paper for a year course. The paper will be read by the supervisor and at least one other member of the history faculty and there will be an oral examination conducted by the readers.

Interested students should contact Professor A. Sheps.

HISC14Y The European Mentality in the Early Modern Period (1500-1700)

Exclusions: (HISC12);(HISC13)
Prerequisite: One B-level History Course
Limited Enrolment: 20

Course description: This seminar will examine two major cultural-intellectual developments: the witchcraft crisis and the scientific revolution, which coexisted in this period in a not always antagonistic fashion. Students will do a major research project, based as much as possible on primary sources.

Instructor: J. L. Pearl Session: Winter Day

Content: The nature of belief in witchcraft and what it means for the society. The Scientific Revolution, including classical science, Copernicus, Galileo to Newton.

Teaching Method: Seminar

Evaluation:

One or two research papers
Oral Seminar presentation
Participation in class discussions

HISC17Y European Society and Culture between the World Wars

Prerequisite: HISA01; one B-level course in History. A reading knowledge of one or more foreign languages, although not indispensable, would be very helpful.
Limited enrolment: 15.

Course description: An investigation of the impact of war, technology, economics, and totalitarianism on the social condition and mind of European man.

Instructor: M. Eksteins Session: Winter Day

Content and Organization: A two-hour weekly seminar in which regular readings and discussion are expected. In the first term, certain broad issues, including the problems of method, are discussed in order to establish an overview of the subject and to delineate the most significant questions and approaches. In the second term specific problems and individual research projects are pursued in detail.

Evaluation: A brief book review is required in the Fall Term. In the Spring Term students will present to the seminar for discussion the preliminary findings of their research, and will then submit a written paper at the end of the term. The research paper is the most significant piece of work in the course but a significant proportion of the final grade will be allotted for participation in the seminar.

HISC21Y Urbanization and Social Change in 19th Century England.

Prerequisite: HISB01

Limited Enrolment: 20

Course description: A study of the new social environment created by the growth of cities in an industrial community.

Instructor: J. Kenyon Session: Winter Day

Content: The aim of the course is to recreate the way of life which developed in the new cities of 19th century England and in doing so add to our understanding of our own urban environment. It will concentrate on the major problems which cities share in common and which have proved so difficult to solve: widespread poverty, overcrowded housing, deteriorating public health conditions and a great increase in crime and disorder brought about by the failure of the traditional methods of social control to work in these new conditions. We shall see how this new city life affected social relationships such as the structure of the family, the role of women and children, the establishment of a class society and the development of a working class culture.

Teaching Method: Seminars

Evaluation: 1 book review
1 research paper

HISC32Y The American Colonies and the British Empire

Prerequisites: Any one of HISB01, HISB03, HISB05, HISB28 or HISB18

Course description: An examination of the origins of American society and institutions in the seventeenth century and their development in the eighteenth century, the origins, course and effect of the American Revolution and the Constitution and their relation to Western political thought, and the impact of the Revolution on British North America and Britain.

Instructor: A.N. Sheps Session: Winter Day

Organization and Evaluation: A weekly two-hour seminar based on required and suggested readings. Discussion each week of particular topics and of the historiographical and methodological debates about them. Class discussion, one brief class report and one essay (4000-5000 words) per term and a final examination will be required.

HISC44Y The Prairie Provinces 1850-1950

Prerequisites: HISB05 and HISB06 or HISB09 or equivalent. The course presupposes a knowledge of Canadian history and some skill in historical method.
Limited Enrolment: 15

Course description: A study of the background of Western Canadian alienation beginning with the attempts to break the H.B.C. trade monopoly, native rights, the educational problem, agrarian protest movements, the natural resources control question, the fiscal problems generated by the depression, post-war search for "a place in Confederation".

Instructor: W. A. McKay Session: Winter Evening

Teaching Method: One two-hour seminar per week, two essays, book evaluation.

Evaluation: Members must be prepared to make a contribution to the weekly seminar and will be evaluated on their total effort.

Preparatory reading:

A. S. Morton: The Canadian West to 1870-71
G. F. Stanley: The Birth of Western Canada

HISC45Y History of Canadian Social, Political and Historical Thought

Exclusion: HISB45
Prerequisites: HISB05, HISB06

Course description: The seminar will focus on the following themes in Canadian political and social thought: the intellectual assumptions apparent in contemporary discussion of Confederation; speculation on the destiny of the new nationality; the development of historical consciousness and the teaching of history; varieties of nationalism and regionalism; the social gospel; rural myths, responses to industrialization and urbanization; the social role of the intellectual, the development of Canadian conservative and socialist thought. The main sources will be the writings of journalists, clergymen, academics, labour activities, novelists, politicians, farmers' spokesmen, historians and satirists.
Limited enrolment: 15.

Instructor: I.R. Robertson Session: Winter Day

Organization and Evaluation: Two one and a half hour seminars per week. General discussion and several oral presentations will be required of each student. Written work will consist of three book reports, one research paper and a final examination. See instructor for a detailed course outline.

HISC62Y The Crusades

Prerequisites: HISA01Y and HISB27Y or a number of B-level History courses

Course description: This seminar will consider the crusades of the 11th through 14th centuries, both in Europe and the Holy Land, as a continuation of Christianity's centuries-old struggle with paganism along its borders, as a form of colonial expansion prompted by an enormous growth of population in the 11th and 12th centuries, and as a papal weapon against heresy and political dissenion within the bounds of christendom itself. The movement will be compared and contrasted with the foundation and activities of the military orders, particularly the Hospitallers, Templars, Teutonic Knights, and associated orders in Spain and north-eastern Europe.

Instructor: M. Gervers Session: Winter Day

Organization and Evaluation: One two-hour seminar per week. Two seminar papers (one each semester) will constitute 60% of the final grade; historiographical reports and classroom participation will make up the rest.

Bibliography: H.E. Mayer, The Crusades; D.E. Queller, The Latin Conquest of Constantinople; A.A. Vasiliev, The History of the Byzantine Empire; S. Runciman, A History of the Crusades; K.M. Setton, ed., A History of the Crusades; J.R. Strayer, The Albigensian Crusade; Anna Comnena, The Alexiad; J.A. Brundage, ed., The Chronicle of Henry of Livonia; Doukas, Decline and Fall of Byzantium to the Ottoman Turks Fulcher of Chartres, A History of the Expedition to Jerusalem; Joinville and Villehardouin, Chronicles of the Crusades; Odo of Deuil, De profectione ludovici VII in orientem; Robert de Clari, The Conquest of Constantinople.

HISC78Y The Russian Intelligentsia

Prerequisite: HISB07 or RUSA01 Exclusion: HISC18Y
Limited Enrolment: 20

Course description: The historical importance of the intelligentsia in Russia during the nineteenth and early twentieth centuries is unparalleled in the history of any other country. Not a class, but yet a major intellectual, social and political force, the intelligentsia embraced the great thinkers of the Russian right and left from Dostoevsky to Lenin. A study of its origins, beliefs, role and personalities.

Instructor: E.W. Dowler Session: Winter Day

Content: In the first part of the course the nature of the intelligentsia in general will be discussed. The bulk of the course will consist of a detailed examination through the writings of some of the leading intelligenty of intelligentsia ideas and personalities In concluding sessions, the fate of the intelligentsia in the Soviet Union, and the new, 20th-century connotations of the word will be explored.

Teaching Method: Seminar

Evaluation:

2 essays (4000-5000 words).
1 examination.

Courses not offered in 1978-79:

HISB14Y Society in Early Modern Europe, 1550-1800
Prerequisite: HISA01

HISB27Y Europe, 400-1100

HISB33Y American Society and Thought Before the Civil War
Exclusion: (HISC33Y)
Prerequisite: HISB03

HISB44F/S Canadian Religious Traditions
Prerequisites: HISB05; HISB06

HISB46Y Atlantic Canada
Exclusion: (HISB46F)
Prerequisites: HISB05; HISB06

HISC11Y Western Europe in the Seventeenth Century
Prerequisites: HISA01; one B-level course in History

HISC20F/S Anglo-Saxon England
Prerequisite: One B-level course in History or English

HISC22Y Religion and English Society, 1750-1900
Prerequisite: HISB01

HISC34F/S Revolutionary America, 1760-1790
Prerequisite: HISB01 or HISB03 or HISB05

HISC35F/S Topics in American Labour History
Prerequisites: HISB03; permission of instructor

HISC41F/S Old Huronia
Exclusions: (HISB41)
Prerequisite: HISB05
Corequisite: Field trip to be arranged
Limited enrolment: 15

HISC42F/S Church-State Relations in Canada
Exclusion: HISB42
Prerequisite: HISB05
Limited enrolment: 15

HISC43F/S Selected Topics in Canadian Religious History
Prerequisite: HISB44
Limited enrolment: 15

Humanities

Discipline Representative: K. Theil

The Humanities are concerned with man's never-ending reflection on the human condition, with development and communication of his thought, and with the creation and enjoyment of the beautiful. They are thus an integral part of liberal education.

Courses in the Humanities are offered by the various disciplines which comprise the Humanities Division. However, the student who wishes to explore the Humanities outside the traditional disciplinary framework is encouraged to consider the courses listed below. For the most part, they offer an alternative to examination from within current precise national, historical and disciplinary boundaries, opting instead to restructure subjects of interest around a theme which itself creates its own reasoned limits. Students may find this a particularly attractive point of view from which to study an enduring human myth, a more unified approach to literature, an aspect or aspects of a loose historical period, or a movement of broad cultural relevance.

Roughly speaking, HUM listings may be divided into 3 categories:
(1) Interdisciplinary courses - i.e. courses that bring together aspects of human experience often taught in separate disciplines.
(2) Interliterary courses - i.e. courses not restricted to a single national boundary in considering aspects of literature.
(3) Thematic courses - i.e. courses beyond the scope of other single disciplines at Scarborough College.

In addition, for senior students, both the Humanities Seminar and the more ambitious Individual Study Year provide a challenging alternative to a conventional programme of study.

THE HUMANITIES PROGRAMME

Supervisor of Studies: P.W. Gooch

The Humanities Programme is designed for the student who wishes what has been known as a "liberal education". The Programme will seek to develop the critical intellectual skills of the student and to acquaint him with basic forms of approach and analysis in several areas of human endeavour. It will accomplish this by developing a coherent group of courses, within the framework established below, for each student registered in the Programme. Each student will belong to a Programme Committee which will supervise his studies. A booklet on the Humanities Programme is available in the Office of the Division of Humanities.

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

(1) HUMA01Y

(2) At least two consecutive course in a language foreign to the student.

(3) At least one course in each of the three Humanities areas which follow:
  (a) Language and Literature: Classics, Drama, English, French, German, Humanities, Italian, Linguistics, Russian, Spanish;

  (b) Historical Studies: Fine Art, Greek and Roman History, History, Humanities, Linguistics;

  (c) Philosophical Studies: Classics, Humanities, Linguistics, Philosophy

Note: A course taken to satisfy one area requirement may not be used to satisfy another area requirement. A Humanities course may satisfy any of the three area requirements, depending on its content; students should consult with their Programme Committee.

(4) At least one course from the Division of Science

(5) At least one course from the Division of Social Sciences

(6) HUMC10H

(7) At least two courses based upon earlier courses

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

HUMA01Y Prologue*

Course description: Twenty books of central importance in Western civilization will be read. A comprehensive examination will be given at the completion of each subset of ten books. There is one-hour tutorial for each book. The examination will stress the student's ability to relate the books in his own way, rather than to remember minute aspects of plot and character. At weekly informal sessions guest leaders will present aspects of each work through lectures or other media.

Co-ordinators: M.E. Irwin and W.C. Graham Session: Winter Day

Content:
Group I: The Bible (selections); Homer, The Odyssey; Sophocles, Oedipus Rex; Plato, Symposium; Herodotus, Histories; Virgil: Aeneid; Augustine, Confessions; Dante, Inferno; Chanson de Roland, Boccaccio, Decameron
Group II: Machiavelli, The Prince; Tirso De Molina, The Trickster of Seville; Montaigne, Essays; Vasari, Lives of the Artists; Galileo, Discoveries and Opinions; Goethe, Faust; Marx, Communist Manifesto; Darwin, Origin of Species; Freud, Interpretation of Dreams; Wagner, Ring of the Nibelungen.

NOTE: For information on appropriate editions of these works, see the co-ordinators. Titles may change if editions become unavailable.

* "What's past is prologue" - Shakespeare, The Tempest, ll,i.

HUMA10Y Introduction to the Study of Religion

Course description: The phenomenon of mankind's religious experience and its cultural expressions: introduction to the academic study of religion, including themes appearing in the classical religious traditions as well as in contemporary quasi-religious movements. Critical examination of various definitions and methods employed in the study of religion.

Instructor: S. Nigosian Session: Winter day

Content: The first term concentrates on social and corporate aspects of religion, as specific traditions are differentiated in varying cultural environments and develop through changing historical circumstances. The second term's work investigates aspects of individual experience and belief including mythical and symbolic expressions as well as doctrinal formulations and the philosophical critique of religion. "Para-religions" alternatives and traditional religion in the modern world are also examined.

Method and Evaluation: Lecuture-discussions on general themes forms, together with reading, the basis of the final examination. Tutorials on specific topics provide the context for up to two short papers each term.
For reading prior to the course, Huson Smith, The Religions of Man, is suggested.

HUMB01F The Emergence of Modern Prose

Course description: A study of the "Crisis of Consciousness" and its impact on the creative imagination of a number of European writers at the turn of the century. The following authors will be considered: J. Joyce, V. Woolf, M. Proust, J.P. Jacobsen, H.v. Hofmannsthal, R.M. Rilke, R. Musil, F. Kafka.

Instructor: Horst Wittmann Session: Winter Day

Content: The course attempts to show the reasons for and the methods of the transformation of empirical reality into fictional reality as they relate to the philosophical, scientific, and technological development of the late 19th century. In a comparative analysis of narrative techniques as well as the use of language and silence the foundations of modern prose will be laid bare.

Teaching Method: A mixture of lecture and discussion sessions.

Evaluation: Short quizzes and one paper.

HUMB02S Disaster and the Literary Imagination

Course description: An exploration of the historical impact of Nazism and Stalinism, totalitarianism and war on the post-war literary imagination of Soviet Russian and West German writers at the metaphorical level of artistic perception. The course will also examine the social and cultural relevance of creative writing in response to periods of social crisis.

Instructor: C.V. Ponomareff Session: Winter Day

Content: Five authors will be studied: W. Borchert, The Man Outside; Ch. Aitmatov, The White Steamship; G. Grass, The Tin Drum, B. Pasternak, Doctor Zhivago; H.E. Nossack, The Impossible Proof.

Teaching Method: Lecture and discussion

Evaluation: One minor paper, one final exam, class participation.

HUMB03Y The European Experience: Man and Society in the Twentieth Century French and Italian Novel.

Course description: Currents and developments in the cultural fabric of Western Europe via readings in the narrative fiction of 2 traditional yet evolving societies representative of much of the modern continental "experience", and engaged in speculating upon their present state and future structure.

Instructor: S. Mittler Session: Winter Day

Content: An enquiry into the growth of modern French and Italian society will be made on the basis of selected readings symptomatic of social, political and economic developments, national and/or supranational moral or philosophic reactions and corresponding innovations in narrative form. The approach will be interdisciplinary; required works will be read in translation, although students with reading knowledge of French and/or Italian will be encouraged to read in the original.

Method: 2 hours a week of lectures and discussion.

Evaluation: To be decided by in-class discussion on the basis of class participation, 1 class assignment each term, 1 term test and 1 final exam.

Bibliography: Svevo, The Confessions of Zeno; Céline, Journey to the End of Night; Nizan, Antoine Bloyé; Pavese, The Moon and the Bonfires; Camus, The Fall; Lampedusa, The Leopard; Moravia, The Two of Us; Calvino, The Watcher and other stories; Queneau, Zazie; Lefebvre, Everyday Life in the Modern World.

HUMB08Y Orpheus: The Quest for Beauty Session: Winter Day

Course description: An interdisciplinary seminar, studying the myth of Orpheus as a recurrent motif in art, religion, literature, music and film. Materials (to be read in translation) will include: Vergil, Georgics IV; Ovid, Metamorphoses X and XI; Poliziano, Festa d'Orfeo; Sir Orfeo; Henryson, Orpheus and Eurydice, Calderon, El Divino Orfeo, Monteverdi, Orfeo; Gluck, Orfeo; Offenbach, Orpheus in the Underworld; Rilke, Sonnets to Orpheus; Anouilh, Eurydice; Cocteau, Orphee; Black Orpheus.

Instructor: John Warden with help from other members of faculty

Objectives: To try to understand the nature of myth in art through a study of a single myth, and of its changes and developments. The course should be of interest to students of Classics, Religion, English, Modern Languages, Fine Art, Music and Anthropology.

Content: A study of the early form of the myth in the Classical world, in poetry, vase-painting and sculpture: of the religion (Orphism) that sprang from it, and its influence on early Christianity: Christian allegory at work on the myth in the Middle Ages: the myth in early English poetry: the rediscovery of the Classical world in the Renaissance: Orpheus in opera: a brief glance at the romantic Orpheus, and at Orpheus in our times.

Method: One two-hour session each week consisting of an oral presentation (by me, a student or a visitor) and a one-hour tutorial. There will be considerable use of slides, records and, hopefully, films.

Bibliography: Most of the basic texts will be provided in a roneoed booklet (for which there will be a small charge). Two important secondary sources are W.K.C. Guthrie, Orpheus and Greek Religion, London, Methuen and Co., 1950, J.B. Friedman, Orpheus in the Middle Ages, Harvard, 1970.

Evaluation: Details will be worked out with students, but the year's work will include an oral presentation, a test, and a major essay.

HUMB10S Utopia: From More to Huxley

Course description: A study of major schemes for the total improvement of mankind and the solution to radical evils in society. The millenarian tradition, authoritarian and libertarian utopian ideas, anti-utopians, and experiments in communal living. Practical applications and consequences of utopian thought.

Instructor: William Graham. Session: Winter Day

Content and Evaluation: The "real title" of this course is, Utopia from More to Hitler. Why do people make utopias? Because they must? Is utopia an escape from reality or a plan for a better reality? The topic is an interdisciplinary one, so students should bring their interests and experiences from their various disciplines and personal backgrounds to bear in the content of this course.

Lectures, discussions, and experiments. Topics of specialization to be chosen by students. Two papers, differing in content and purpose, and an in-term reading test will comprise the term work. One paper is to be critical and analytical, relating to utopian authors, theme from several utopias, etc. The other paper is to be creative and explanatory, an original utopia or dystopia. Forms of expression or projects other than the written word are welcome instead of papers. Student participation is essential.

JHDB12Y Introduction to Cinema
See Drama

HUMB20Y Primitive Christian Literature and Myth

Prerequisites: No formal prerequisites, but some knowledge of the biblical literature will be presupposed. Greek is desirable but not required.

Course description: An introduction to the New Testament set against the background of primitive Christianity as it developed in the Jewish and Hellenistic world.

Instructors: P. Richardson & E. Irwin. Session: Winter day.

Content: Several texts,to be specified later, will be required reading. The course will concentrate on developing appropriate critical skills so that the literature of early Christianity can be better understood and fitted in to its historical circumstances.

Grading scheme: Christmas and final exams will count for 40%, essays for 60% (one for 10%, two for 25% each).

HUMB22F Age of Pericles Session: Winter Day

Exclusion: FARB23

Course Description: An exploration of the golden age of Athens (second half of the fifth century B.C.) through its literature and art.

Instructors: John Warden and others

Objectives: To introduce students to Athens and its culture; to raise questions for discussion about the development of its literature, architecture, and political institutions; to learn to appreciate the classical style.

Content: A history of Athens during this period, including the development of democracy, the confrontation with Sparta, and the rise of the sophists. An examination of drama, including the study of several plays. Architecture, sculpture and vase painting. Religion in the city state, including festivals, the mysteries, gods and goddesses.

Teaching Method: It is the intention that all three instructors will attend the majority of classes with one presenting a topic and others contributing. It is planned that three or four times in the semester they will act as a panel to discuss a given topic. Student involvement in this discussion is essential for its success. Classes two hours per week.

Bibliography: Burn, A.R., Pericles and Athens (London, English Universities Press, 1966); Lattimore R., Aeschylus I: Oresteia (Chicago, 1970); Pollitt J.J., The Art of Greece (Englewood Cliffs, N.J., Prentice-Hall, 1965); Hopper, R.J., The Acropolis,MacMillan New York, 1971. Also recommended: Guthrie W.K.C., The Greeks and their Gods (London, Methuen 1968). Kitto H.D.F., The Greeks (Harmondsworth, Penguin, 1969); Scott-Kilvert, I., Plutarch The Rise and Fall of Athens (Penguin).

Evaluation: One test, two short papers.

HUMB24S The Age of Nero

Prerequisites: None

Course description: Glory and decadence: a close look at Nero's Rome. Society and culture under the Roman Peace as reflected in its literature and institutions; Nero as builder and planner; the conflict of religions; the growth of protest.

Instructors: I. McDonald, J. Corbett Session: Winter Day

Objectives: To provide an introduction to Imperial Rome, a controversial Emperor, and the striking cultural milieu over which he claimed to preside. To ask what ideas are expressed in Neronian arts, and how far the Emperor controlled their expression. To consider how far the culture - or counterculture - of the court shaped, or was shaped by, the cultural forces of a largely bi-cultural Empire.

Content: Nero's Rome, as it is reflected in the art, architecture, and literature of the day, and in the lively - and often lurid - accounts of later Roman authors, Study, in translation, of selections from Tacitus, Suetonius, Petronius, Persius, Seneca, Pliny the Younger; study of the art and architecture of the period.

Teaching method: Two hours weekly lectures, with opportunity for discussion.

Evaluation: To be determined.

HUMB51S Beyond Consciousness

Prerequisite: One course in psychology, philosophy, or literature.

Course description: An examination of the limits of consciousness from the point of view of various disciplines in the Humanities. The specific content will vary, but will focus on one of the following: communication, religion and philosophy, myth-making and poetry.

Instructor: W.J. Bancroft Session: Winter day.

Content: In 1978-79, Beyond Consciousness will deal with the forgotten language of myth and dream and its possible translation into analytical psychology, on the one hand, and a mythocritical approach to literature, on the other.
Depending on the availability of translations, texts will be chosen from Freud, Jung, Adler, Fromm, Eliade, Otto, Schultz, Durand, among others.

Bibliography: A detailed bibliography for this course will be provided on the first day of class.

Evaluation: One major essay or research paper; one take-home or class test (or examination); classroom assignment(s).

JHIB90S Italian Cinema

See Italian.

HUMC10H Humanities Seminar

Prerequisite:
Any ten courses

Course description:
A special half-credit seminar course, taken normally after the completion of ten credits. Each member of the seminar gives a report of individual projects undertaken by him.

Co-ordinator: P.W. Gooch Session: Winter Day

This is a seminar for those enrolled in the B.A. in Humanities Programme. It is required for those who have completed ten courses; other interested students may attend the seminar sessions.

Topics for the seminars are to be chosen in consultation with the co-ordinator. The topics chosen should build upon work already done in other courses, and should attempt to relate material from two or more disciplines.

Evaluation: is based upon one long paper or two shorter papers, and the seminar performances.

HUMC25Y The University

Prerequisites: Any two B-level courses.

Course description: An examination of the concept of higher education and the nature of the university from its medieval origins to the present, including a review of the historical development of this institution in Europe and North America, as well as discussion of current issues.

Instructor: John Kirkness Session: Winter Day

Content: In the fall term, we will review the historical development of the university in Europe and North America and the emergence of an "idea of the university". In the spring term, attention will be given to issues in higher education such as research and teaching, university and society, professional and liberal education,...

Teaching Method: The class will normally meet once a week for two hours for the presentation and discussion of topics, the selection of which will involve active and sustained participation by all members of the group. Reading assignments are expected to vary according to individual interest and need: there is no prescribed text.

Evaluation: No final examination. Suggested basis: two term papers, book reviews, seminar presentations.

HUMC95-99Y Individual Study Year

Prerequisite:
Permission of the Division of Humanities Committee on Individual Study.

Course description:
An opportunity for advanced students to spend a year following their own studies under the supervision of a committee of faculty drawn from the various disciplines within the Division of Humanities. Students will be expected to produce major papers or projects in their chosen areas, and will take an oral examination at the end of the year before an appropriate board of faculty. Those interested in enrolling should contact the Divisional Chairman by the end of May 1978. (For a year of individual study, students must enrol in all five courses. Those who wish to take Individual Studies should consult disciplinary listings.)

Courses not offered in 1978-79:

JHSB04Y The Bloomsbury Group
Prerequisites: Normally three courses selected from Art History, Economics, English, Philosophy or Political Science at least one of which should be in English Literature

HUMB05F Fantasy in Narnia and Middle Earth

HUMB06S Hercules: Man of Action

HUMB07F/S "The Ulysses Factor"

HUMB09F Atlantis

HUMB21F/S Love and Friendship: The Views of the Greeks and Romans
Exclusion: (HUMB06)

HUMB23F/S The Age of Augustus

HUMB25F/S The Age of Homer

HUMB26S Fantasy Literature II
Prerequisite: HUMB05

HUMB27S Science Fiction

HUMB30Y The Russian Revolution of 1917: Promise and Fulfilment, Ideals and Realities

HUMB31Y Russian and English Nineteenth Century Fiction

JSHB31Y The Twentieth Century Latin American Novel and The European Tradition

HUMB32F/S Vladimir Nabokov: Problem of personal and creative identification

HUMB41F/S Women in Ancient Greece

HUMB74Y Contemporary Cultures in Question
Exclusion: (HUMB13)

HUMC01F/S Lyric Poetry of the Middle Ages in the Mediterranean Area
Prerequisite: A B-level course in either a Romance literature or English literature

JHEC13Y A Seminar in Literary Theory and Practice
Exclusion: (ENGC13); (HUMC13); (HUMC02)
Prerequisites: Any three B-level courses
Limited enrolment: 30

HUMC19Y Contemporary Fiction and its Backgrounds
Prerequisite: One B-level course in Literature, or permission of instructor

HUMC20Y Jesus in Early Christianity and Judaism
Prerequisite: HUMB20

HUMC21F Paul: Apologist, Envoy and Theologian
Prerequisite: HUMB20 or CLAB23

HUMC22S John: Gospel and Letters
Prerequisite: HUMB20 or CLAB23

Italian

Discipline Representative: Antonio Franceschetti

Scarborough College offers a wide range of courses on the language and literature of Italy from the Middle Ages to the present. For students who have no previous training in the language, the study of Italian begins at the elementary level with ITAA01 or ITAA11. Students with Grade 13 Italian (or equivalent) take ITAB01 which is the prerequisite for literature courses as well as for the more advanced language courses. In both courses, emphasis is given to the spoken and written aspects of the language.

Courses offered by other disciplines may prove directly valuable to the student in Italian as adjuncts to his plan of study or as an enrichment of his total programme. Similarly, certain aspects of Italian literature complement other areas of interest, such as Fine Art, Music, and English, French, Latin, or Spanish literature.

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

Students should consult Italian as well as the Modern Languages and Literatures entries in the Major Programmes section of the College Calendar.

Students are not allowed to take any A level courses in Italian while taking or after completing any B level course in Italian.

Students may be excluded from any given course if their knowledge of Italian is deemed by the instructor to exceed the level of the language in that course.

MAJOR PROGRAMME IN ITALIAN

Supervisor of Studies: Antonio Franceschetti

Students are required to complete at least nine full courses (or equivalent) in Italian, including the following:

ITAB31Y Dante and Medieval Culture

One year course (or equivalent) on the Renaissance

One year course (or equivalent) on Seventeenth and Eighteenth Century literature

One year course (or equivalent) on Nineteenth and Twentieth Century literature

One half year course on the history of the language

ITAB04F/S Advanced Composition
ITAB05F/S Practical Translation
ITAC01Y Language Practice

Language requirements will be waived in the case of students judged to have highly advanced knowledge of Italian, by permission of Supervisor of Studies. Equivalent courses in literature will be substituted. Students are strongly advised to discuss their programme as soon as possible with the Supervisor of Studies.

ITAA01Y Introductory Italian

Exclusion: ITAA11

Course description: An elementary course for students with no knowledge of Italian. Elements of Italian grammar, with attention given to oral practice. Short contemporary texts will be studied.

Instructor: Dennis McAuliffe Session: Winter Day

Comment of the instructor: This course is not open to students who have background knowledge of standard Italian or an Italian dialect. Importance is given to the acquisition of a standard Italian pronunciation; to developing oral/aural skills for conversational purposes; to the mastering of the fundamental grammatical structures of the language for reading and writing as well as for speaking. The five hours weekly of classtime will be divided among the practice of formal dialogues, free conversation, explanations of grammar and exercises. There will be regular written assignments and exercises to prepare at home. A programme is also provided in the language laboratory for those who wish to make use of it. As early as possible literary readings and articles of general interest will be introduced for the purpose of expanding vocabulary, reinforcing the understanding of grammatical structures and to provide material for discussion in class.

Evaluation: Class participation (40%); monthly written exams (40%); home assignments (20%).

ITAA02F Conversation I

Corequisite: ITAA01

Course description: An elementary course in conversation designed to provide students with no prior knowledge of Italian, with an opportunity for practical application of the rudiments of the language. Topics selected for discussion will aim at a graduated and controlled approach to Italian. Not normally open to native speakers except by permission of instructor.

Instructor: Antonio Franceschetti Session: Winter Day

Content and Teaching Method: Relevant current topics and areas of interest to the students will be discussed, such as facets of Italian and Canadian culture, aspects of politics and various social problems. The three hours per week will focus on discussions of the various chapters of the textbook. As soon as the students acquire a certain degree of proficiency in the language, oral reports will be introduced on subjects chosen by the students.

Evaluation: Oral report 25%; oral final exam 25%; class participation 50%.

ITAA03S Conversation II

Corequisite: ITAA01 or ITAA11

Course description: A continuation of ITAA02.

Instructor: Dennis McAuliffe Session: Winter Day

ITAA11Y Elementary Italian

Exclusion: ITAA01

Course description: An elementary course for native speakers with little or no knowledge of standard Italian usage. Short contemporary texts will be studied.

Instructor: to be announced Session: Winter Day

Content and Teaching Method: The course, which is designed only for native speakers, aims at giving a basic knowledge of Italian and the ability to express oneself correctly, to read and write simple texts. The main objective is to free the student of the phonological, lexical and grammatical interference from both dialects and English, as commonly misused in the Italian community. Throughout the year, the study of the grammar and the enrichment of the vocabulary will accompany the effort to minimize the above mentioned interferences. Modern prose passages are analysed in class from the point of view of grammatical structure, lexical choice and idiomatic expressions. The course will be conducted almost entirely in Italian. There will be five hours of lectures per week: the use of the language laboratory is highly recommended.

Evaluation: Oral and written exams (50%), class participation (30%), compositions and oral reports (20%).

ITAB01Y Intermediate Italian
Exclusion: ITAB02
Prerequisite: Grade 13 Italian or ITAA01 or ITAA11 or equivalent

Course description: Intensive review of the grammar, with drills, exercises and compositions.

Instructor: G. Katz & Staff Session: Winter Day /Winter Evening

Content: The course concentrates on explaining and practising the more difficult parts of Italian grammar. This will alternate with reading and discussion of modern Italian passages in prose and poetry. The student will be asked to prepare written grammar exercises, as well as to write comments on or summaries of the readings discussed in class. The course will be conducted in Italian whenever possible.

Teaching Method: Three hours of lectures per week.

Evaluation: Six written exams (one per month) 70%; class participation and work done at home (compositions, written grammar exercises) 30%.

ITAB01B Intermediate Italian (See Summer Language Institute)

ITAB03F Intermediate Conversation I

Corequisite: ITAB01

Course description: An advanced course in conversation for those students with a knowledge of Italian. Attention will be given to idioms and special constructions focusing on Italian culture and civilization.

Instructor: Dennis McAuliffe Session: Winter Day

Comment of the instructor: This course offers the opportunity to those who need it to improve their oral/aural skills in a relatively informal classroom situation. Students will be expected to prepare topics of common interest for discussion in class by doing background reading in Italian on the topics chosen and by preparing the specialised vocabulary of those topics. In addition at least three oral reports on an agreed-upon topic related to Italian culture and civilization will be required of each student. There will be an oral examination at the end of the course.

Evaluation: Class participation (40%); oral reports (25%); final oral examination (35%).

ITAB06S Intermediate Conversation II

Corequisite: ITAB01

Course description: A continuation of ITAB03

Instructor: G. Katz Session: Winter Day

Content: This course aims at developing as fully as possible the student's facility with the language and will continue the program outlined in ITAB03.

Teaching Method: See ITAB03.

Evaluation: See ITAB03.

ITAB12S The Twentieth Century Novel

Prerequisite: ITAB01

Course description: A survey of themes and trends in the novel, with attention given to the social, political and intellectual conditions of the Fascist and post-Fascist era.

Instructor: S. Mittler Session: Winter Day

Content: An examination of the social, moral, existential and aesthetic concerns of such writers as Moravia, Pavese, Calvino and Gadda, followed by an attempt to view the novelists studied in the course in unified perspective.

Method: 3 hours a week of lectures and discussion.

Evaluation: To be decided by in-class discussion on the basis of class participation, 1 class assignment, 1 major essay and a final exam.

Bibliography: Moravia, La Noia; Silone, Vino e pane; Pavese, La luna e i falò; Calvino, La formica argentina and La Giornata d'uno scrutatore; Gadda, L'Adalgisa; Volponi, La macchina infernale, Ottieri, I divini mondani.

ITAB21Y Introduction to Italian Literature

Prerequisite: ITAB01 (or ITAB02)

Course description: A survey of Italian literature, from the Middle Ages to the present.

Instructor: D. McAuliffe Session: Winter Day

Content: This course is designed to provide the student with a general background in Italian literature. Major representative figures of Italian literature will be studied: Dante, Petrarca, Boccaccio etc. Special attention will be given to major literary movements: "Dolce Stil Novo", the Renaissance, Romanticism etc.

Teaching Method: Three hours of lectures per week with opportunity for class discussion of the work studied.

Evaluation: Essays written during the year 50%; class tests 20%; class participation and discussion 30%.

ITAB31Y Dante and Medieval Culture

Prerequisite: ITAB01 (or ITAB02)

Course description: Introduction to Medieval Italian literature with special reference to Dante.

Instructor: Antonio Franceschetti Session: Winter Day

Content and Teaching Method: This course aims to introduce to the student the problems, mentality, social and cultural patterns of man in the Middle Ages with specific reference to literary phenomena such as Provençal lyrics and old French poetry and epics. The origins and development of medieval literature will be examined, as background to the study of Dante and the masterpiece of the Middle Ages, The Divine Comedy. The course will include a brief survey of Dante's minor works and their significance in terms of the life and culture of the times. There will be three hours of lecture with discussion per week. Class attendance is highly recommended and class participation and student's comments strongly encouraged.

Evaluation: Term tests 50%; class participation 20%; oral report 30%.

ITAB32F Petrarch and Boccaccio

Prerequisites: ITAB01 (or ITAB02)

Course description: The Canzoniere and the Decameron. The rise of Humanistic thought and culture, the beginnings of the Renaissance.

Instructor: G. Katz Session: Winter Day

Type of course: This is an advanced course which requires a good knowledge of Italian, an option for the specialized programme in Italian.

Objectives: The aim of this course is to provide an insight into two writers, who were representative of their times and influenced deeply by contemporary and subsequent literatures not only in Italy, but throughout Europe.

Content: This course will cover parts of the Decameron by Boccaccio, a selection from the Canzoniere by Petrarca, Il Segreto and the Trionfi by Petrarca. The works of both writers will be looked at in the context of their own times (14th and 15th century) as well as of the present. Boccaccio's multicoloured human comedy and Petrarca's exploration of his own soul will be examined not only as the product, one of the Middle Ages and the other of the Umanesimo, but also as two ways of looking at life, love and religion which can still be appreciated and understood by contemporary writers.

Teaching Method: Three hours of lectures per week.

Bibliography: Canzoniere by Petrarca, Trionfi by Petrarca, Il mio segreto by Petrarca, Decameron by Boccaccio.

Evaluation: Attendance and class participation, 20%; Essay(s) written at home, 50%; Final examination, 30%.

ITAB36S Lyric Poetry of the Renaissance (from Poliziano to Michelangelo)

Prerequisite: ITAB01(or ITAB02)

Course description: An introduction to the study of the Italian Renaissance.

Instructor: Antonio Franceschetti Session: Winter Day

Content and Teaching Method: This course intends to acquaint the student with the development of lyric poetry in the Italian Renaissance and with the culture which gave rise to this poetry. Works of Poliziano, Lorenzo de' Medici, Boiardo, Michelangelo and Stampa will be studied in the context of their life and times. Particular attention will be given to the theme of nature and to the development of the concept and representation of love. There will be three weekly hours of lecture with discussion. Class attendance is highly recommended and class participation and student's comments strongly encouraged.

Evaluation: Term tests 40%; class participation 30%; oral report 30%.

ITAB43F Foscolo and Leopardi

Prerequisite: ITAB01 (or ITAB02)

Course description: Reading and analysis of selected works, with attention to Foscolo's Neo-Classicism, and characteristics of Italian Romanticism.

Instructor: G. Katz Session: Winter Day

Type of course: An advanced course in Italian, one of the options for the specialized programme in Italian.

Objectives: The student should acquire a certain knowledge of the work of Foscolo and Leopardi, two Italian poets of the 19th century, and be able to relate it both to the society of their times and to his perception of present society.

Content: This course will cover the novel "Le ultime lettere di Iacopo Ortis" by Foscolo, the poems I Sepolcri, Sonetti and Le Grazie by Foscolo, some of the Canti by Leopardi and some of his Operette Morali. The works of these two writers will be examined in the light of contemporary history and literary movements: that is they will be related to the Romantic movement in Italy and to the struggle for the unification of Italy in the Risorgimento. More generally the course will center on what those two writers thought about such concepts as "nature" "woman" "country" "Classical Tradition", and whether their views were typical of their times.

Method: Three hours of lectures per week.

Bibliography: Prose e Poesie, by Ugo Foscolo; Canti e Operette Morali, by Giacomo Leopardi.

Evaluation: Attendance and class participation, 20%; Essay(s) written at home, 50%; Final examination, 30%.

ITAB44F Manzoni

Prerequisite: ITAB01 (or ITAB02)

Course description: A study of Manzoni's lyric poetry, tragedies and I. promessi sposi.

Instructor: S. Mittler Session: Winter Day

Content: An examination of several examples of Manzoni's critical, theatrical and poetic output, in particular Adelchi, Il Conte Di Carmagnola and Lettera A M. Chauvet, the Inni Sacri and the Odi Storiche, followed by in-depth analysis of Manzoni's famous novel, I Promessi Sposi.

Teaching Method: 3 hrs. a week of lectures and discussion.

Evaluation: To be decided by in-class discussion on the basis of class participation, 1 class assignment, 1 major essay and a final exam.

Bibliography: A. Manzoni, I Promessi Sposi. Further material supplied by instructor.

ITAB50F- 54F
ITAB55S- 59S
ITAB60Y — Supervised Reading

Prerequisite: ITAB01 (or ITAB02)
Corequisite: ITAB21 (or ITAB31)

Instructor: Staff Session: Winter Day

Content: These courses are designed to provide advanced students an opportunity for independent studies of specific aspects of Italian language and literature at the student's choice. The student is expected to do most of the reading by himself and to meet regularly with a faculty member to discuss problems arising from the chosen topic of study. The teaching method and the evaluation will vary according to the subject matter and the individual student.

Interested students should contact Prof. A. Franceschetti.

JHIB90S Italian Cinema (See listing under Section for Joint Courses)

ITAC01Y Language Practice

Prerequisites: ITAB01 or ITAB02

Course Description: Advanced language course focusing on complex problems of Italian grammar, with readings, translations and compositions.

Instructor: Antonio Franceschetti Session: Winter Day

Content and Teaching Method: This course is designed to give the student an opportunity to improve his knowledge of written and oral Italian on an advanced level. Specific points of grammar, syntax and style will be discussed and exemplified with drills and exercises. Students will be asked to do translations and to write short compositions. A selection of passages of modern Italian authors will provide the necessary material for analysis of styles, summaries and paraphrases. There will be three hours of class per week.

Evaluation: Term tests 50%; class participation and work done at home 30%; oral presentations 20%.

Courses not offered in 1978-79:

ITAB04F/S Advanced Composition
Prerequisite: ITAB02

ITAB05F/S Practical Translation
Prerequisite: ITAB02

ITAB13F/S Modern Italian Poetry
Prerequisite: ITAB02

ITAB15F/S Pirandello and the Italian Theatre of his Time
Prerequisite: ITAB02

ITAB16F/S Italian Theatre from 1930 to the Present
Prerequisite: ITAB02

ITAB33F/S Aspects of Italian Thought in the Fifteenth and Sixteenth Centuries
Prerequisite: ITAB02

ITAB34F/S The Renaissance Epic
Prerequisite: ITAB02

ITAB35F/S Italian Sixteenth Century Theatre
Prerequisite: ITAB02

ITAB40F/S Reformation and Baroque Literature
Prerequisite: ITAB02

ITAB41F/S Italian Eighteenth Century Theatre
Prerequisite: ITAB02

ITAB45F/S The Nineteenth Century Italian Novel in Transition
Prerequisite: ITAB02

Joint Courses

The following courses are offered jointly by these disciplines:

Biology and Chemistry

JBC B35Y Introdcutory Biochemistry
JBC B36H Laboratory in Chemistry

Commerce and Economics

JCE B54S Industrial Relations
JCE B72F Analysis for Decision Making I
JCE B73S Analysis for Decision Making II
JCE C02Y Corporation Finance

Commerce and Sociology

JCS B27Y Organizational Behavior

Humanities and Drama

JHD B12Y Introduction to Cinema

Humanities and Italian

JHI B90S Italian Cinema

Linguistics and Psychology

JLP B55F Psycholinguistics

Mathematics and Computer Science

JMC C31F Combinatorics
JMC C48S Applied Algebra
JMC C51S Numeric Methods

Mathematics and Philosophy

JMP B50F Symbolic Logic
JMP B51S Symbolic Logic II

Physics and Astronomy

JPA C10Y Relativity and Cosmology

Physics and Mathematics

JPM C42S Advanced Classical Mechanics

JBCB35Y Introductory Biochemistry

Exclusions: (BIOC06); (BIOB35); (CHMB35); (CHMC06)
Prerequisites: BIOA03; CHMB05

Course Description: An introductory course for students interested in the bio-medical sciences, designed to introduce students to a broad range of biochemical topics.

Instructor: J. Gurd Session: Winter Day

Content: Topics covered in the course will include: metabolism of sugars, amino acids and lipids and the relationship of these to the energy metabolism of the cell. The effect of hormones on cellular metabolism; structure and function of enzymes; structure and biosynthesis of nucleic acids; biosynthesis of proteins. Regulation and integration of metabolic pathways will be discussed.

Method: Two 1-hour lectures per week

Bibliography: The text used is: Biochemistry: the Molecular Basis of Cell Structure and Function - by A. L. Lehninger, Worth Publishers Inc.

Evaluation: Two 1-hour lecture exams
One 2-hour Christmas exam
One final exam.

JBCB36H Laboratory in Biochemistry

Exclusions: (BIOB36); (CHMB36)
Prerequisites: BIOA03; CHMB05
Corequiste: JBCB35

Course Description: An introductory laboratory course designed to introduce students to basic experimental techniques used in bio-chemical research.

Instructor: J. Gurd Session: Winter Day

Content: The course will introduce students to practical and theoretical aspects of techniques used in biochemical research. Experiments will introduce a range of experimental procedures, including: Spectrophotometry; chromatography; radioisotopes; electrophoresis; protein fractionation; etc.

Teaching Method: 3 hours of laboratory work plus 1 hour of lecture each week.

Bibliography: No text required but it is suggested that students obtain a copy of Biochemistry by A. L. Lehninger.

Evaluation: Students will be evaluated on their performance in the laboratory, lab reports, and examination, (2-hour exam at Christmas and a final exam.)

JCEB54S Industrial Relations

Prerequisite: ECOA01

Course Description: A study of industrial relations in the Canadian setting. Topics include industrial relations theory and systems; history, philosophy and structure of unionism, labour law, and collective bargaining.

Instructor: T.B.A. Session: Winter Evening

Content: A detailed examination of the legislative framework which influences virtually every aspect of the industrial relations system. Consideration of the collective agreement, its negotiation and administration. A brief introduction to a number of "issues": e.g. strikes, trade union organization, compulsory arbitration.

Teaching Method: Primary reliance is, of necessity, placed upon lectures. Assigned reading material supplements the lectures and review problems are provided.

Evaluation: Details to be announced at beginning of course. In 1977/78 evaluation was based on a mid-term test (30%) and a final examination (70%).

Additional Comments: Because the public policy of Ontario is expressed in legislation, and labour and management regulate their relationship by means of a legal contract, the course must of necessity be concerned with legal concepts and processes. A certain amount of "legalism" is unavoidable.

JCEB72F Analysis for Decision Making I

Exclusions: (COMB26), (ECOB71)
Prerequisites: MATA56 or MATA58 or CSCA56 or CSCA58, or MATA22 or MATA26 or MATA55, ECOB01

Course Description: A course in the analytical formulation and solution of decision problems. Linear decision models, and especially linear programming, are the tools primarily discussed and employed.

Instructor: T.B.A. Session: Winter Day

Content: An introductory study of linear programming with emphasis on applications in Commerce and Economics.

Teaching Method: Lectures with occasional problem sessions.

Evaluation: Final examination, term tests, problem sets.

JCEB73S Analysis for Decision Making II

Exclusions: (COMB26), (ECOB71)
Prerequisites: ECOB11, JCEB72

Course Description: A continuation of JCEB72F with less emphasis on deterministic, linear models. Course content will be determined by the instructor and will usually include several of the following: decision making under uncertainty, inventory theory, simulation, non-linear programming, allocation of risk-bearing.

Instructor: T.B.A. Session: Winter Day

Content: Topics in operations research such as dynamic or stochastic programming, inventory theory, queueing theory.

Evaluation: Final examination, term test, problems, projects.

JCEC02Y Corporation Finance

Prerequisites: COMB01; ECOB01; ECOB11

Course description: An examination of the financial environment within which Canadian companies operate. The aim is to cover the main principles of financial management and to discover the social and legal significance of the modern corporation. Limited enrolment: 60

Instructor: T.B.A. Session: Winter Day

Evaluation: A mid-course test, a final examination and a number of written assignments.

Additional Comments: No further details are available at the present time. For further information, contact the Supervisor of Studies, Commerce.

JCSB27Y Organizational Behaviour

Exclusions: (COMB27) (SOCB27) (SOCC02)
Prerequisites: One previous course in Sociology, Commerce, Economics, or Political Science.

Course Description: Examines social factors in administration, the structuring of intra-organizational and interorganizational relationships, and the distribution of power and dependency in society. Empirical studies used in the first term will focus on single organizations. Those used in the second term will focus on industries and other interdependent organizations. Students may organize their work as a series of short, independent exercises or as a major project, and should be prepared to share their conclusions in class discussions.

Instructors: J. Hannigan (Winter Day) Sessions: Winter Day
D. Grafstein (Winter Evening) Winter Evening

Teaching Method: Lectures and Tutorials.

Evaluation: A combination of examinations, essays and assignments.

JHDB12Y Introduction to Cinema

Course description: The intention of the course is to introduce the student to the vocabulary of film criticism, major aesthetic approaches, and general history (silent and sound). Films will be shown on the average of one each week. Limited enrolment: 40.

Instructor: M. Schonberg Session: Winter Day

Content: The course will survey the history of the cinema from its beginning till the present. The students will view a large variety of films and discuss them in separate seminars. Areas of study will include the early silent films; German expressionistic films; Early Hollywood Comedies (Chaplin, Keaton, Laurel & Hardy, etc.); The Pre-war French Cinema; Hollywood in the Thirties and Forties; The Pre-war Soviet Cinema; German Propaganda Movies, War film, Post-war Italian Cinema; The New Wave of Polish and Czechoslovakian Films; etc.

Teaching Method: Weekly Screening (2 hours), 2-hour seminar

Evaluation: Two Class Tests
Two Essays

Enrolment limited to 40 students
Note: There is a screening fee of $15.00 for this course.

JHIB90S Italian Cinema

Course description: An analysis of the Italian film as an artistic genre, and its relation to literature from Neo-Realism (1942) to the present (films with subtitles by Rossellini,Antonioni, Fellini, Pasolini will be included in this course). Limited enrolment: 40.

Instructor: G. Katz Session: Winter Evening

Content: Films by Rossellini, Antonioni, Fellini, Pasolini and other post-war Italian directors will be shown during the course. Each film will be preceded by an introduction which will place it in its historical and artistic perspective. Students will be expected to do basic reading on the directors presented in the program and to discuss the films shown in the course and relate them to their cultural experience.

Evaluation: Attendance and class participation, 60%; Essay(s) written at home, 40%.

Note: There will be a screening fee of $10 for this course.

JLPB55F Psycholinguistics

Prerequisite: LINA01Y
Exclusion: LINB05, PSYB71

Course description: The course presents theories and experiments that address the question; how is language comprehended and produced? Linguistic theories that form the basis of psychological theories and the experimental evidence for and against each theory are reviewed, and an overview of current work in the field is offered.

Instructor: P.H. Salus Session: Winter day

Content: The concern of the field of Psycholinguistics is the relationship between the observed phenomena of language and the unobservable operations of the human brain, the reality of the structures and units proposed by linguistics, the acquisition of language by the child, and the relationship between human language and Phylogenesis will be discussed.

Teaching method: Lectures, films and discussion.

Evaluation: Two one hour exams.
Two brief papers.

JMCC31F Combinatorics

Prerequisite: MATB40F and at least one other B level course in mathematics or computer science.
Other recommended Courses: CSCA58F

Course Description: A brief survey of the field of sicrete mathematics with emphasis on problem solving. Elementary counting, generating functions and difference equations, permutations with restriction, Polya counting, graphs, network flow problems, balanced incomplete block designs, incidence structures.

Instructor: E. Mendelsohn Session: Winter Day

Teaching Method: Lectures, Assignments and Tests.

Evaluation: 1) Weekly assignments
2) Two take-home tests and/or one class test

JMCC48S Applied Algebra

Exclusions: (MATC48)
Prerequisite: MATC44
Corequisites: Any two of CSCB28, JMCC51, CSCB68, CSCB73

Course Description: A study of the structures of modern algebra and their applications to computer science. Algebraic algorithms. Computations with integers and symbolic matrices. Interpolation and Chinese remainder theorem. The fast Fourier transform and multiplication of large integers and polynomials. Semi groups. Lattices. Boolean algebras and their applications.

Instructor: TBA Session: Winter Day

Objective and Content: This course is concerned with the analysis and derivation of efficient algebraic algorithms. In the first five weeks algebraic structures and their properties will be studied. Algebraic algorithms based on Chinese Remainder Theory and the Fast Fourier Transform over finite fields will then be studied and their application to such areas as polynomial fractorization, exact solution of linear equations and fast integer/polynomial multiplication will be discussed. Implementation difficulties will also be discussed and various Algebraic manipulation systems will be surveyed.

Evaluation: A final exam
6 - 7 Assignments (only one involves programming)

JMCC51S Numerical Methods

Exclusion: (MATB53)
Prerequisites: MATA40, MATB42 or MATB55, CSCA68

Course Description: Numerical methods and their implementation on a computer. Solution of linear and non-linear equations. Ill conditioned problems and error estimates. Numerical integration and solution of initial value problems for ordinary differential equations.

Instructor: P. Keast Session: Winter Day

Objective and Content: This course provides an introduction to numerical analysis and the use of numerical methods. Although the course treats the analysis of numerical problems and the derivation of numerical methods, the main emphasis is on the choice and use of numerical methods from program libraries. Inexact floating-point arithmetic, instability, lack of convergence and ill-conditioning are discussed and techniques for detecting and coping with these difficulties will be presented.

Evaluation: A mid-term exam
A final exam
4 - 5 assignments

JMPB50F Symbolic Logic

Exclusions: PHLB50; MATB80

Course description: An introduction to formal techniques of reasoning, sentential logic, and quantification theory or predicate logic.
Instructor: J.H. Sobel Session: Winter day

Content: An introduction to formal techniques of reasoning, deductive and inductive, the course covers sentential logic, quantification theory, or predicate logic and elements of probability theory. The emphasis is on appreciation of and practice in techniques, for example, for formal analysis of English statements and arguments, and for construction of clear and rigorous proofs. Topics of more theoretical interest are presented in lectures supported by essays and other materials by the instructor, copies of which are distributed. But the emphasis is on techniques.

Bibliography: (principal text)

Donald Kalish and Richard Montague, Logic: Techniques of Formal Reasoning (for deductive techniques only).

Evaluation: Three tests during the term and a final examination.

JMPB51S Symbolic Logic II

Prerequisite: JMPB50 or PHLB50 or MATB80
Exclusions: PHLB51; MATB85

Course description: A continuation of JMPB50F.

Instructor: J.H. Sobel Session: Winter day

Content: In the first and longest part of the course the natural deduction system studied in Symbolic Logic I is extended to cover identity and definite descriptions. Special attention is paid to the restriction of the identity calculus to 'extensional' terms and formulas. Alternative treatments of definite descriptions, one that follows Frege, the other that follows Russell, are developed and compared. The emphasis in this first part of the course is on techniques.

The second part of the course covers the meta-theory of standard elementary logic with emphasis on completeness proofs for sentential and predicate logic and on the 'limitative' theorem due to Skolem, Godel and Church. The object in this part of the course is theoretical not practical -- appreciation of, rather than skill in developing meta-logical structures and proofs.

Bibliography: (principal texts)

Evaluation: Three tests during the term and a final examination.

JPAC10Y Relativity and Cosmology

Exclusions: ASTC10; PHYC10
Prerequisites: PHYB01; JPMC42, PHYB18F would be desirable

Course Description: A brief review of the special theory of relativity and of the mathematical background of general relativity theory. General relativisitic field equations in free space and in the presence of matter, gravitational radiation, cosmological theories and observations.

Instructor: R. Roeder Session: Winter Day

Content:
1. Brief Review of Special Relativity.
2. Mathematical Background: types of tensors, tensor operations, Riemannian space, geodesics, types of differentiation, the Riemann, Ricci, Weyl and Einstein tensors, Geodesic Deviation, Killing Vectors.
3. Field Equations in Free Space: derivation, Schwarzschild exterior solution, tests of relativity, Kerr metric.
4. Field Equations in the Presence of Matter: Schwarzschild interior solution, stability of gaseous masses, gravitational collapse.
5. Cosmological Theory: the Robertson-Walker metric, anisotropic models, inhomogeneous (Swiss Cheese) models, the geometry of a congruence of null geodesics (Ehlers-Sachs Theorem), galaxy formation.
6. Observational Cosmology: distance versus redshift, number counts, the mean density, angular diameters, background radiation, element synthesis, the quasars.
7. Gravitational Radiation: weak field approximation.

Teaching Method: 2 lectures per week.

Evaluation: Assignments 50% Exam 50%

JPMC42S Advanced Classical Mechanics

Exclusions: (PHYB46, MATB46 PHYC42, MATC42)
Prerequisites: MATC41 or MATB56, PHYA01 or PHYA02

Course Description: Dynamics of particles and rigid bodies. Variational principle. Lagrangian and Hamiltonian formulation of mechanics. Canonical transformations. Hamilton Jacobi theory. Small oscillations.

Instructor: T.B.A. Session: Winter Day

Latin

Courses are offered in introductory Latin (LATA01) and Latin literature (LATB01, LATB02, LATB21, LATB30, etc.).

For further information see under Classical Studies.

LATA01Y	Introductory Latin
LATB01F	Catullus
LATB02S	Catiline
LATB21F	Virgil: Aeneid
LATB30F-33F LATB35S-39S LATB40Y	Supervised Reading
LATC01F -02S	Independent Studies

Linguistics

Discipline Representative: J.D. Woods.

Linguistics is the science of Language. For the linguist, language is a phenomenon of the human mind and of human society. Not all linguists are exclusively concerned with the description of language (an interest reflected in LINA01, LINB11, and LINB02) or the tracing of the history and development of languages (LINB04). Linguists draw on the findings of Philosophy, Psychology, Sociology, and Biology to create new frontiers of research. This new science is reflected in LINB07, JLPB55, LINB15 and other courses.

Language is, of course, of interest to many people who see it as a humanistic and not a technical concern. To meet this interest we have designed such courses as LINA04, LINB08, LINB26 and LINB27.

For those majoring in General Linguistics, Psycholinguistics, Sociolinguistics, see the appropriate section of the Calendar. In addition to the courses listed there, the following courses in other disciplines will be of interest.

ANTB16	Ethnic Cultures of Canada
ENGB01	Old English Language and Literature
FREB25	Introduction to French Linguistics
FREB43	The French Language in Canada
FREB46	Principles of Lexicology and Their Application to Modern French
GERB36	Structure of German
GERB33S	History of German
GERC23	Introduction to Middle High German
PHLB80	Philosophy of Language

MAJOR PROGRAMME IN LINGUISTICS

Supervisor of Studies: J.D. Woods

The major programme in Linguistics may be taken in one of three ways, each of which requires five basic courses and further courses in other related disciplines as set out in the sub-programme.

General Linguistics Sub-programme

Students must complete within a twenty course programme the following courses in Linguistics:

(1)	LINA01 or LINA03	General Linguistics
(2)	LINB11 or LINB03 and LINB06	Syntax and Semantics
(3)	LINB12 or LINB02 and LINB04	Phonology and Historico-Comparative
(4)	LINB07 or JLPB55 and LINB15	Sociolinguistics or Psycholinguistics
(5)	LINC21 or LINC22 or LINB10	

Students must also complete two full courses of language study in a language which is neither their native tongue nor a language which they studied before entering the College. They also must complete two courses in Linguistics or in some related field, selected with the approval of the Supervisor of Studies.

Psycholinguistics Sub-programme

In addition to the five basic courses listed under the General Linguistics Programme, which must include JLPB55 and LINB15, the student must complete:

two further courses in Linguistics to be approved by Supervisor of Studies or two full course equivalents of Language study in a language which is neither their native tongue nor a language which they studied before entering the College, and all of the following courses:

PSYA01 or (PSYA02)	Introduction to Psychology
PSYB07	Data Analysis to Psychology
PSYB20	Developmental Psychology
PSYB50	Sensation and Perception
PSYB51	Perceiving and Knowing
PSYB52	Human Information Processing
PSYB60	Brain Mechanisms and Behaviour

Students are also encouraged to complete a course in Calculus or Statistics.

Sociolinguistics Sub-programme

In addition to the five basic courses in Linguistics under the General programme, students must complete:

two further courses in Linguistics to be approved by Supervisor of Studies or two full course equivalents of Language study in a language which is neither their native tongue nor a language which they studied before entering the College, and all of the following courses:

SOCA01 or SOCA02	Introduction to Sociology
SOCB01	Methods in Social Research
And any two of:	
SOCB10	Social Stratification
SOCB13	Canadian Society
SOCB16	Social Change

LINA01Y General Linguistics

Exclusions: (LINA03)

Course description: In the introductory course various methods of linguistic analysis will be discussed, as well as the form and content systems which comprise language. Among the questions considered will be the processes of producing and comprehending speech, first and second language acquisition, and the ideal structures which underly actual utterances.

Instructors: M.W. Salus/P.H. Salus Session: Winter day

Content: Who talks, why and where? Did you ever meet anyone who saw a talking dog? How did the first people learn to talk? How do you make talking noises? What are those noises like? How do you know what any of this means? How many languages are there anyway? Did you ever meet anybody who met anybody who saw a talking dog?

Teaching Method: Lectures, discussions, films, texts: Fromkin/Rodman, Introduction to Language 2nd ed. (1978); Gleason, Workbook in Descriptive Linguistics (1955).

Evaluation: 5 one-hour tests.
20 - 25 homework assignments.
1 Final examination.

LINA01Y General Linguistics

Exclusions: (LINA03)

Course description: In the introductory course various methods of linguistic analysis will be discussed, as well as the form and content systems which comprise language. Among the questions considered will be the processes of producing and comprehending speech, first and second language acquisition, and the ideal structures which underly actual utterances.

Instructor: J.D. Woods Session: Summer Evening

Content: Who talks, why and where? Did you ever meet anyone who saw a talking dog? How did the first people learn to talk? How do you make talking noises? What are those noises like? How do you know what any of this means? How many languages are there anyway? Did you ever meet anybody who met anybody who saw a talking dog?

Teaching Method: Lectures, discussions, films, texts: Fromkin/Rodman, Introduction to Language 2nd ed. (1978); Gleason, Workbook in Descriptive Linguistics (1955).

Evaluation: 5 one-hour tests.
20 - 25 homework assignments.
1 final examination.

LINA04S Introduction to Language

Exclusions: LINA01

Course description: A general introduction to the nature of language. The relationship of written and spoken language. History of English and related languages. Languages of the world. The problem of bilingualism in Canada. Animal communication. Speech disorders.

Instructor: D.M. James. Session: Winter Evening

Other Remarks: This is a non-technical introduction; it cannot be used as a prerequisite for further linguistics courses. The course will try to answer questions like: In what ways can languages differ from one another? In what ways are they all alike? How do languages change? How did language originate? How do children learn to speak? Are some languages better than others? Do men and women speak differently? Etc.

Teaching Method: Lectures and discussions.

Evaluation: Tentatively, two term tests and a final examination.

LINB02F Phonology

Exclusion: LINB12
Prerequisite: LINB09

Course description: The sounds of language and their analysis: theoretical approaches to the sound patterns of various languages. Synchronic and diachronic views of sound shift and sound change.

Instructor: J.D. Woods Session: Winter Day

Teaching Method: Class discussion of course material

Evaluation: Approximately one third of the final grade will be based on testing and two thirds on class performance. Subject to the approval of the appropriate decision-making body, there will be no final exam in this course.

LINB04S Historical and Comparative Linguistics

Exclusion: LINB12
Prerequisite: LINB02

Course description: Language change and language relationships; linguistic typology; language universals. The Indo-European family and other language families.

Instructor: J.D. Woods Session: Winter Day

Teaching Method: Class discussion of course material.

Evaluation: Approximately thirty percent of the final grade will be based on testing and seventy percent on class performance. Subject to the approval of the appropriate decision-making body, there will be no final exam in this course.

LINB07Y Sociolinguistics

Prerequisite: LINA01 or (LINA03) or SOCA01 or SOCA02

Course description: The structure and use of language as it relates to social and cultural functions. The application of socio-linguistic research to Canada will comprise approximately half of the year's work.

Instructor: Suzanne Whalen. Session: Winter day.

Content: The course has a twofold objective: theoretical and practical.
a) The theoretical part deals with: the speech situation, social implications of speech varieties, language maintenance, bi- and multi-lingualism, role of language in shaping national identity and influencing political boundaries.
b) On the practical level, students participate in actual research: gather sociolinguistic data, transcribe and process taped interviews, quantity and statistically analyse the collected data and prepare a report of their findings.

Teaching Method: Two hours of seminar-type classes per week. Field work in small groups.

Bibliography: Text: The Social Significance of Speech, J.T. Platt & H.K. Platt, North Holland Publishing, 1975.

Evaluation: Two term tests (25%) participation in research (45%) and contribution to class discussion (30%).

LINB09S Phonetics

Prerequisite: LINA01

Course description: The physiological and acoustic bases of language.

Instructor: D. Woods. Session: Winter day

Content: An examination of the means by which speech sounds are produced, and of the physical properties of these sounds. Emphasis will be placed on such practical considerations as phonetic transcriptions.

Teaching Method: Class discussion of course material.

Evaluation: Three one-hour tests, one two-hour test (near end of term), and evaluation of contribution to class discussion. Subject to the approval of the appropriate decision-making body, there will be no final exam in this course.

LINB11Y Syntax and Semantics

Exclusion: (LINB03); (LINB06)
Prerequisite: LINA01 or (LINA03)

Course description: The study of sentence structure, including the major grammatical processes, e.g. transformational rules, the principle of the cycle, etc.; the relationship between syntax and semantics; grammatical and lexical meaning; literal vs. conveyed meaning, presuppositions, the influence of extra-linguistic context on language.

Instructor: D.M. James. Session: Winter day

Content: The emphsis will be on language as a code system used for communication. What are the rules of the communication game? How do people manage to translate noises into ideas and vice-versa? Students will be expected to analyze data and propose and argue for solutions.

Teaching Method: Lectures, discussions, assigned problems.

Evaluation: Tentative, four examinations, partly in-class and partly take-home. There will also be frequent homework assignments, which are to be handed in although not necessarily graded.

LINB15S Developmental Psycholinguistics

Prerequisite: (LINB05) or JLPB55 or LINB27

Course description: The development of the facility for speech in childhood. Acquisition of a first language. The neurological prerequisites for speech and writing. This course is a continuation of JLPB55.

Instructors: M.W. Salus/P.H. Salus Session(s): Winter Day

Content: All you always wanted to know about how kids learn to talk, but were afraid to ask.

Teaching Method: Lectures and discussions. Text: T.B.A.

Evaluation:

1 one-hour test.
3 brief (3 page) "papers".
1 Final Examination.

LINB26S Languages of the World

Prerequisite: LINA01, LINA04, or one course in Psychology or Anthropology

Course description: A survey of the world's languages; their multifold diversity and underlying uniformities. Attempts at classification: typological, genetic and areal. Methodological approaches and sample studies.

Instructor: Suzanne Whalen Session: Spring day

Content: Presentation of the world's known language families and their interrelation. Comparison of their phonological, grammatical and lexical structures; the fundamental laws governing semantic and structural universals of natural languages. Theoretical criteria used in language classifications.

Teaching Method: Two hours of lecture and discussion per week.

Bibliography: Text: The Languages of the World, Kenneth Katzner, Funk and Wagnall, 1975.

Evaluation: Class participation 20%, two term tests each worth 20% final term paper 40%.

LINB27F Animal Communication

Prerequisite: One course in LIN, PSY, SOC, or ANT

Course description: The ways in which various non-human species convey information. Crickets and bees; fish, songbirds; geese, canines; primates other than man will be studied. Visual, olfactory and auditory modalities.

Instructor: Mary Salus Session: B27F : Summer Evening;
P.H. Salus B27F Winter Day

Content: Where do bees find nectar? How does a cygnet find his mother? Which wolf is boss? Why do fish school? How does a stickleback know when he's in "foreign territory"? Who are Clever Hans, Viki, Gua, Sarah, Washoe, and Lana? Who are Lorenz, Smith, Thorpe, Tinbergen and von Frisch?

Teaching Method: lectures, films, discussions. Text: T.B.A.

Evaluation: 2 one-hour tests
1 term paper
final examination

JLPB55F Psycholinguistics

(See listing under section for Joint Courses)

LINC01F Supervised Reading
LINC02S
LINC03F
LINC04S
LINC05Y

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

Interested students should contact Professor J.D. Woods, Discipline Representative.

LINC12F Dialectology

Prerequisite: LINB07

Course description: A continuation of LINB07, with emphasis on both the sociological and geographical study of linguistic variation.

Instructor: Suzanne Whalen Session: Fall Day

Content: The study of variations in language, both regional and social. Dialect field work. Mapping of isoglosses and dialect charts. Review of existing work on English, French, immigrant and enclave languages in Canada. A joint dialect research project in the Toronto area.

Teaching Method: One lecture hour and one practical study hour, in addition to which students will have to carry on linguistic investigation in the dialect area they have chosen.

Bibliography: Text: Hans Kurath, Studies in Area Linguistics, Indiana University Press, 1972.

Evaluation: One test 20%, class participation 30% research 50%.

Courses not offered in 1978-79:

LINB08F/S Scripts
Prerequisite: LINA04 or LINA01

LINC10Y Studies in Syntax and Semantics
Prerequisite: (LINB03) or LINB11

LINC21Y Structure of a Language
Exclusion: LINB10
Corequisite: LINB11, LINB12

LINC22Y Comparative Study of a Language Family or Area
Corequisite: LINB11, LINB12

Mathematics

Staff member responsible for curriculum: S. Pierce

Mathematics has emerged over the centuries from primitive needs to count and to measure into a modern sophisticated system of interrelated axioms, theorems, conjectures and proofs. Some areas of mathematics are very abstract, being intellectual studies devoid, at present , of any practical application. Research in these branches of the subject arises from pure creative curiosity, from the need to understand, and to prove to others, that certain consequences follow rigorously, without ambiguity, from a set of precisely formulated mathematical definitions and axioms. However, many mathematical discoveries have very practical applications, because once a problem has been described in mathematical terms it is easier to analyze. Of course, not all problems can be formulated in this manner, but the applications of mathematics extend beyond the physical sciences and engineering to all areas of knowledge that are subject to quantitative analysis. Sometimes mathematical results guide and stimulate analogous scientific research, and sometimes mathematical theories originate in science, leading on the one hand to more abstract theorems and on the other to further application.

The mathematics programme is divided into four sections:

(a) MATA22 is a pre-requisite for some non-science programmes. Completion of this course does not qualify the student to proceed to further courses in Mathematics or Computer Science.

(b) MATA26; B41-B42, B52-B57, C41, JPMC42
These courses, primarily for science and social science students, emphasize practice in mathematics, rather than full rigour.

(c) JMPB50-51
A course in logic, listed as a joint course in mathematics and philosophy.

(d) All other courses in mathematics emphasize rigour. Many of these courses are required for major programmes in mathematics or physics.

The student of mathematics should also consult the list of courses offered under "Computer Science".

'A' LEVEL - CALCULUS COURSES

MATA55Y Winter, Scarborough	Calculus
MATA26Y Winter, Summer Evening, Scarborough	Calculus with linear algebra
MATA22Y Winter, Scarborough	Techniques in calculus

COMPARISON

MATA55 is a theory course. The emphasis is on why theorems are true (hence on rigorous proofs) and students are expected to learn how to prove theorems. This course together with MATA40F-MATA45S is essential for students who wish to specialize in mathematics or theoretical physics.

MATA26 is a practical course, taught at a high level. There is no attempt to provide rigorous proofs. On the other hand, students are expected to learn to solve difficult and sophisticated problems, and to master the necessary techniques. There is an emphasis on applications. MATA26 is advisable for students who wish to take some courses in physical science or mathematics in higher years. Students enrolling in MATA26 will be expected to be familiar with the material of Grade 13 calculus.

MATA22 is a technique of calculus course for students who have had no previous experience with the subject. It covers less material than MATA26, and at a less intensive level. It is intended for students who do not intend to take further mathematics or physical science courses.

A student who completes MATA55 and MATA40-A45 may take any of the second year mathematics courses. A student with MATA26 may take the sequel course MATB41-42 in second year, and its sequel in third year. He/she is however barred from certain advanced second and third year courses. A student should enrol in MATA22 only if he/she does not wish to take further mathematics courses.

MAJOR PROGRAMME IN MATHEMATICS

Supervisor of Studies: R. Delver

In this programme the following thirteen and one-half full courses must be completed. Among their first five courses students must complete MATA40F, MATA45S and MATA55Y and during their second five courses students should complete MATB40F, MATB45S, MATB50F and MATB55S.

In addition, during their twenty-course major programme, students must complete MATB51F and MATB56S, MATB52F and MATB57S, MATB25Y, (MATC50F and MATC55S) or MATC53Y, MATC60F and MATC65S, MATC44F and C49S, and MATC54F and C59S. They should also complete CSCA58F, MATB70S, MATC32S, MATC52F, and MATC57S but these last five half-courses may be replaced by other Mathematics or Science courses that carry a significant mathematical content.

Complete programmes should be planned in consultation with a member of the Mathematics faculty.

In any given year, some 'C' level courses may not be offered. Students should check with the division office.

MAJOR PROGRAMME IN MATHEMATICS AND PHYSICS

Supervisors of Studies: P.J. O'Donnell (Physics) and
R. Delver (Mathematics)

Students should complete seventeen courses as specified below:

(1) In the first year of full-time study (or equivalent):

PHYA01Y; MATA40F, MATA45S; MATA55Y

(2) In the second year of full-time study (or equivalent):

PHYB01Y; PHYB04F; (PHYB05S)· PHYB17S; PHYB18F; MATB50F· MATB51F; MATB55S; MATB56S

(3) In the third year of full-time study (or equivalent):

PHYC01Y; PHYC03Y; PHYC06F; JPMC42S; MATC60F; MATC65S; APM351Y (St. George)

(4) In the fourth year of full-time study (or equivalent):

PHY450Y; MATC53Y or (MATC50F; MATC55S) or MAT350Y; APM421F; and two other* 400-level (St. George) physics courses.

*JPAC10Y or (MAT465F; APM426S) can be substituted for one of these.

MATA22Y Techniques of Calculus

Exclusions: MATA26; MATA55

Prerequisite: One Grade 13 course in Mathematics

Course Description: Inequalities and absolute values. The real line. The Cartesian plane. Basic trigonometry. Functions. Limits. Continuity. Derivatives. Extremum problems. Applications to physics and economics. Graph sketching. Rolle's theorem. The mean value theorem. Taylor series. L'Hospital's rule. Integrals as areas. Indefinite and definite integrals. Elementary transcendental functions. Applications of integration.

Instructor: J. Wilker and 1 other Session: Winter Day

Content: MATA22Y introduces the basic techniques of the calculus and their standard applications.

Teaching Method: Lectures and tutorials.

Evaluation: T.B.A.

MATA26Y Calculus with linear Algebra

Exclusion: MATA22; MATA55

Prerequisite: Grade 13 Calculus

Course Description: Inequalities. Absolute value. Functions of a single variable. Limits and continuity. The derivative. Techniques of differentiation. Applications to related rates, extremum problems, and problems in Physics and Economics. Graph sketching, including asymptotic behaviour. Rolle's theorem. Mean value theorem Taylor's series. L'Hospital's rule. Indefinite and definite integrals. The fundamental theorem. Elementary transcendental functions. Techniques of integration. Application of integration. Vector spaces. Linear equations. Matrices. Determinants.

Instructors: T. Callahan, J.S. Halperin, P. Keast and one other Session: Winter Day/Evening Summer Evening

Content: MATA26Y introduces the basic techniques of the calculus, and stresses their use in the analysis and solution of problems. This requires a good understanding of the underlying ideas, which is achieved through the investigation of specific examples rather than general theory. Students will find this a demanding but rewarding course, which will equip them for most scientific applications.

Teaching Method: Lectures and tutorials.

Evaluation: T.B.A.

MATA40F Introduction to Linear Algebra

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

Course Description: The study of vector spaces. Norms. Dot products. Cross products. Subspaces. Linear independence. Bases. Dimension. Matrices. Systems of linear equations. Linear transformations. Matrix of a linear transformation. General applications.

Instructor: T. Callahan & S. Pierce Session: Winter Day

Content: This is a course intended for serious students who plan to continue with mathematics and/or science. The subject matter is abstract and demands a great deal of time and effort to master. However, if you are prepared to work hard, then this is a very rewarding course and well worth the effort.

Teaching Method: Lectures and tutorials.

Evaluation: T.B.A.

MATA45S Linear Algebra I

Prerequisite: MATA40

Course Description: A generalization of the topics covered in MATA40 to abstract vector spaces. Eigenvalues. Eigenvectors. Change of basis. Diagonalization of a matrix.

Instructor: S. Pierce Session: Winter Day

Content: This is a course intended for serious students who plan to continue with mathematics and/or science. The subject matter is abstract and demands a great deal of time and effort to master. However, if you are prepared to work hard, then this is a very rewarding course and well worth the effort.

Teaching Method: Lectures and tutorials.

Evaluation: T.B.A.

MATA55Y Calculus

Exclusions: MATA22; MATA26

Prerequisites: Grade 13 Functions and Relations; Grade 13 Calculus

Course Description: Numbers. Induction. Inequalities. Coordinates. Functions. Limits. Continuity. Uniform continuity. Derivatives and applications. Transcendental functions and applications. Techniques of Integration. Mean value theorems. Taylor's formula. L'Hospital's rule. Sequences and series. Polar coordinates. Parametric representations and applications. Differential equations.

Instructor: R. Delver Session: Winter Day

Content: This course is designed for students who intend to pursue further studies in mathematics or sciences. There is a strong emphasis on rigour and proofs. The course will treat the concepts of the calculus, their logical relations, and how to bring problems from other disciplines within this framework and solve them.

Teaching Method: Lectures, tutorials, assignments & tests.

Evaluation: Weekly homework assignments
3 term tests (Oct., Dec. & Feb.)
Final examination

MATB25Y Geometry

Prerequisite: MATA45

Course Description: Isometries in Euclidean plane and space. Similarities. Inversion in a circle. The inversive plane. Circle preserving transformations. Non-Euclidean geometry. Projective and affine geometry. Finite geometries. Free completions. The theorems of Desargues and Pappus. Projectivities, homologies, elations. The fundamental theorem of projective geometry.

Instructor: E. Mendelsohn Session: Winter Day

Content: This course explores some facets of present-day geometric research. In addition, the interplay between geometry and algebra is emphasized.

Teaching Method: 3 lectures per week.

Evaluation: T.B.A.

MATB40F Linear Algebra II

Prerequisite: MATA45

Course Description: Dual spaces, linear functionals, the double dual; the transpose of a linear transformation. Polynomial algebras over a field; prime factorizations in F(x), elementary divisors. The theory of a single linear transformation: Determinants. Cayley-Hamilton theorem, invariant subspaces, primary decomposition, rational canonical form, Jordan form. Introduction to bilinear forms and inner product spaces.

Instructor: S. Pierce Session: Winter Day

Teaching Method: 3 lectures per week.

Evaluation: T.B.A.

MATB41F Techniques of the Calculus of Several Variables I

Exclusion: MATB50

Prerequisites: MATA26 or MATA55

Course Description: Equations of lines and planes. Geometric representation of functions of several variables. Partial derivatives, directional dirivatives and the gradient. Maxima and minima including classification of critical points and the method of Lagrange multipliers. Curves, vector fields and line integrals. Divergence, curl and the Laplacian.

Instructor: J.S. Halperin Session: Winter Day
Summer Evening

Teaching Method: Lectures and tutorials.

Evaluation: T.B.A.

MATB42S Techniques of the Calculus of Several Variables II

Exclusions: MATB50, MATB55

Prerequisite: MATB41

Course Description: Double and triple integrals together with applications to geometry and physics. Various coordinate systems and change of variables in multiple integrals. Surface integrals. The theorems of Gauss and Stokes. Sequences and series of numbers and functions. Taylor series and Fourier series.

Instructor: J.S. Halperin Session: Winter Day
Summer Evening

Teaching Method: Lectures and tutorials.

Evaluation: T.B.A.

MATB45S Linear Algebra III

Prerequisite: MATB40

Course Description: Inner product spaces, bilinear forms, Sylvester's Law. Topics chosen from orthogonal and symplectic geometry, Witt's Theorem, convex sets, localization of eigenvalues, game theory, integer and (0,1)matrices, matrix inequalities, tensor products, and exterior algebra.

Instructor: S. Pierce Session: Winter Day

Teaching Method: 3 lectures per week.

Evaluation: T.B.A.

MATB50F Analysis

Exclusion: MATB41

Prerequisites: MATA45; MATA55

Course Description: Partial Derivatives. Implicit differentiation. Extrema of functions with side conditions. Series of functions. Uniform convergence. Limit and derivative under the integral sign. Multiplication, differentiation and integration of series. Power series. The calculus of vector functions.

Instructor: R. Sharpe Session: Winter Day

Teaching Method: 3 lectures per week.

Evaluation: T.B.A.

MATB51F Differential Equations I

Prerequisites: MATA40; MATA55

Corequisite: MATB50

Course Description: Equations with separable variables. Homogeneous equations. First order linear equations. Exact differentials and integrating factors. Equation of Bernoulli. Clairaut equation. Reducible second order equations. First order equations of higher degree in algebraic form. Envelopes. Orthogonal trajectories. The laws of Kepler and Newton. Second order linear equations with constant coefficients and Euler's equations. General second order linear equations. Wronskian. Variation of parameters. Boundary and initial value problems. Green's function. Adjoint operators. Power series solutions of second order equations.

Instructor: T.B.A. Session: Winter Day

Teaching Method: 3 lectures per week.

Evaluation: T.B.A.

MATB52F Probability and Statistics I

Exclusions: PSYB07

Prerequisite: MATA26 or MATA55

Course Description: Sample space, random variables, univariate and bivariate distributions. Point and interval estimations. Tests of significance, parametric and non-parametric. Selected applications to psychology, sociology, industrial problems, medical research, etc.

Instructor: M. Evans Session: Winter Day

Teaching Method: Lectures and tutorials.

Evaluation: T.B.A.

MATB55S Analysis II

Exclusion: MATB41

Prerequisite: MATB50

Course Description: The topology of the n-dimensional Euclidean space. Multiple integrals and transformation of variables. Integration of n-forms. Exterior calculus. Line integrals, winding number, Green's theorem. Surface integrals and Stokes' theorem. (Mathematical rigour is emphasized.)

Instructor: R. Sharpe Session: Winter Day

Teaching Method: 3 lectures per week.

Evaluation: T.B.A.

MATB56S Differential Equations II

Prerequisites: MATA45; MATB51

Course Description: Metric Spaces, Banach's fixed point theorem. Lipschitz condition. Existence and uniqueness of solutions. Global qualitative analysis of solutions. Higher order linear equations. Formula of Abel-Jacobi-Liouville. First order linear systems. Fundamental matrix. Jordan normal form. Boundary and initial value problems. Green's matrix. Introduction to calculus of variations or to dynamical systems.

Instructor: T.B.A. Session: Winter Day

Teaching Method: 3 lectures per week.

Evaluation: T.B.A.

MATB57S Probability and Statistics II

Prerequisite: MATB52

Course Description: Regression and correlation. Analysis of variance. Distributions of functions of random variables. Characteristic functions. Sufficiency. Efficiency. Completeness. Likelihood estimates. Selected applications to psychology, sociology, industrial problems and medical research.

Instructor: M. Evans Session: Winter Day

Teaching Method: Lectures and tutorials.

Evaluation: T.B.A.

MATB70S Introduction to Number Theory

Prerequisite: MATA45

Course Description: Some elementary properties of integers. Prime numbers. Congruences. Diophantine equations. Quadratic residues. Rational approximation.

Instructor: T. Callahan Session: Winter Day

Objectives: To explore properties of the integers.

Comments: MATB70S will be an exploratory course. The material to be studied will be chosen on its own merit, not for its future usefulness. Number theory is one of the oldest and most beautiful branches of pure mathematics and this course should provide an idea of why it has fascinated mathematicians for so long. It is not intended to be a difficult course but enthusiasm and hard work will be essential.

Teaching Method: 3 lectures per week.

Evaluation: T.B.A.

MATC44F Algebraic Structures I

Prerequisites: MATA45 and one other B-level Mathematics course

Course Description: An introduction to group theory and algebra. Groups, their homomorphisms and structure. Representation of groups by permutation groups. Isomorphism theorems and some of their implications. Sylow theorems. A similar study of rings and fields.

Instructor: E. Ellers Session: Winter Day

Teaching Method: 3 lectures per week.

Evaluation: T.B.A.

MATC49S Algebraic Structures II

Prerequisite: MATC44

Course Description: The study of rings. Euclidean domains and polynomial rings. The fundamental structure of fields. A survey of extention fields, finite fields and algebraic closures. The fundamental theorem of Galois Theory. The problem of construction of a regular n-gon, and the trisection of an angle. The structure of finite division rings and of division rings over the real numbers.

Instructor: E. Mendelsohn Session: Winter Day

Teaching Method: 3 lectures per week.

Evaluation: T.B.A.

MATC52F Experimental Design

Prerequisites: MATB57; MATA40

Course Description: The statistical aspects of collecting and analyzing experimental data; analysis of variance, orthogonal designs.

Instructor: M. Evans Session: Winter Day

Teaching Method: 3 lectures per week.

Evaluation: T.B.A.

MATC53Y Real Analysis

Exclusion: MATC50, MATC55
Prerequisites: MATB40, MATB55

Course description: Algebra of sets. Mappings. Schroeder-Bernstein theorem. Axiom of choice. Metric spaces. Compactness. Completeness. Separability. Baire's theorem. Arzela-Ascoli theorem. Hausdorff spaces. Local compactness. Tychonov's theorem. Lebesque integral in R and R^K Borel sets. Measurable sets. Lebesque bounded convergence theorem. Fubini theorem. Hilbert and Banach spaces. Dual spaces. Linear mappings. Hahn-Banach theorem. Closed graph theorem. Applications to L^2 and L^P. Compact operators, Fredholm operators. Fredholm alternative. Spectral theory of compact operators. Applications to integral equations and to the Dirichlet problem.

Instructor: R. Delver Session: Winter Day

Teaching Method: 3 lectures per week.

Evaluation: T.B.A.

THIS COURSE NOT TO BE OFFERED IN 1979-80

MATC57S Probability Theory and Stochastic Processes

Prerequisites: MATA55; MATB52

Course Description: Probability theory (extending elementary results) especially conditional probability. Random variables (multi-dimensional) characteristic functions, law of large numbers. Study of stochastic processes: Markov chains (discrete or continuous time) renewal theory, covariance stationary processes, turbulence and noise.

Instructor: M. Evans Session: Winter Day

Teaching Method: 3 lectures per week.

Evaluation: T.B.A.

MATC60F Complex Analysis I

Prerequisite: MATB55 or MATB42S

Course Description: Complex arithmetic. Polynomials and elementary functions. Differentiation and the Cauchy Riemann equations. Cauchy's integral formula for differentiable functions and their Taylor expansion. Properties of analytic functions including Liouville's theorem, identity theorem, maximum modules theorem and open mapping theorem. Laurent expansion and classification of isolated singularities. Residue calculus.

Instructor: J. Wilker Session: Winter Day

Teaching Method: 3 lectures per week

Evaluation: T.B.A.

MATC65S Complex Analysis II

Prerequisite: MATC60

Course Description: Applications of complex analysis to geometry, physics and number theory. Fractional linear transformations and the Lorentz group. Solution of the Dirichlet problem by conformal mapping and the Poisson kernel. The Riemann mapping theorem. The prime number theorem.

Instructor: J. Wilker Session: Winter Day

Teaching Method: 3 lectures per week.

Evaluation: T.B.A.

Courses Not Offered 1978-79

MATC32S Advanced Topics in Mathematics
Prerequisites: MATB41F and MATB42F or MATB50F and MATB51F

MATC41F Applied Differential Equations
Exclusion: MATB51
Prerequisite: MATB42 or MATB55

MATC54F Differential Geometry I
Prerequisite: MATA45
Corequisites: MATB51, MATB55

Major Programme in Modern Languages and Literature

Major programmes are possible in a combination of any two of English, French, German, Italian, Russian, Spanish. Fourteen courses are required, seven in each of the two areas.

These programmes may render a student eligible to pursue graduate studies, and a combination which includes English or French would allow students to apply to the Faculty of Education for Type A certification.

In each case of a combined major the students must have approval of the appropriate Supervisors of Studies.

Requirements in each subject are as follows:

English — Seven full course equivalents, including one of ENGB01Y, B02Y, C01Y, C03Y. At least one course should be at the C-level.
Supervisor of Studies: J. Kay

French — Seven full course equivalents, including FREA01 and B01, one full course equivalent in literature dealing with a period prior to 1800 and one with a period after 1800. No more than two full course equivalents at the A level and one from the series of Supervised Reading courses may be counted. At least two courses should be at the C-level.
Supervisor of Studies: P. Moes

German — Seven full course equivalents as follows: GERB66F, B70S, B30Y, B73F/S, C13&, C20Y, B60S, B63F, B20Y, C10Y.
Supervisor of Studies: H. Ohlendorf

Italian — Seven full course equivalents, of which at least two full course equivalents must be in Italian language at a level appropriate to the student's background and experience and at least four full course equivalents must be in Italian literature, including B21Y and B31Y.
Supervisor of Studies: A. Franceschetti

Russian — Seven full course equivalents as follows: RUSA01Y, A10Y, B02Y, B11Y, B21Y, B23Y, C01Y.
Supervisor of Studies: C. Ponomareff

Spanish — Seven full course equivalents of which four full course equivalents will be in Spanish language (SPAA01Y, B01Y, B04F/S, B12S, C01Y,) and three full course equivalents will be in Spanish literature (SPAB03S, B35F/S or B36S, B23Y or B25F/S, B26S, B37F/S) and one full course equivalent from B13F, B17F, B29F/S, B30F/S, B33F/S, B34S, JSHB31Y.)
*SPAA01Y does not count as one of the nine full courses required for a major programme.
Supervisor of Studies: P. Leon

Latin and a Modern Language

A combination of one of the seven-course options listed above (other than English - for English and Latin see English and Classics) with four full course equivalents in Latin as follows: LATB01F, B02S and three other full course equivalents from A01Y, B21F, B22S, B30-34F, B35-39S, C01F, C02S.
Supervisor of Studies: I.R. McDonald

Linguistics and a Modern Language

A combination of one of the seven-course options listed above and five full course equivalents in Linguistics to include LINA01Y, B11Y and B12Y. LINA04F/S and LINB08S may not be offered towards a major programme.
Supervisor of Studies: J.D. Woods

Music

Discipline Representative: T. McGee

Music is considered one of the liberal arts. The approach to musical style is historical and humanistic, and these courses differ in some respects from those designed for composers and performers. Performing skills are not required for this kind of study. It is expected that courses will vary from year to year.

MUSA01Y Introduction to Music

Course description: A study of the basic materials, principles of design, and cultural significance of representative works of Western and non-Western music, including popular music from the Middle Ages to the present. No musical training is required.

Instructor: T. McGee Session: Winter Day

Content: A survey of the style changes in Western music from the middle ages to the present. The music is approached in terms of technical construction, style characteristics, and its relationship to trends in art and society. The evolutionary aspects of the various period styles is emphasized as well as the individual characteristics of selected works.

Teaching Method: Three lecture hours per week.

Evaluation:
2/3 tests and term paper
1/3 final exam

MUSBO4F Music of the Renaissance

Prerequisite: MUSA01 (HUMA51)

Course description: A study of the music from the early fifteenth century until 1600.

Instructor: T. McGee Session: Winter Day

Content: The sacred and secular styles will be investigated through an analysis of representative compositions. The music of the Renaissance will be related to important cultural and political events.

Teaching Method: Two hours per week - lecture and class discussion

Evaluation: 1/3 exam
1/3 class participation
1/3 term paper

MUSBO5S Music of the Baroque Era

Prerequisite: MUSA01 (HUMA51)

Course description: A study of the music from the early seventeenth century until the death of Bach.

Instructor: T. McGee Session: Winter Day

Objectives: A study of the music from the early seventeenth century to the death of Bach.

Content: Selected compositions of a few outstanding masters will be looked at in detail as representatives of the entire repertory. The course will include both instrumental and vocal music.

Teaching Method: 2 hours per week - lecture and class discussion.

Evaluation: 1/3 exam
1/3 class participation
1/3 term paper

MUSB09H Supervised Performance I

Corequisite: MUSA01

Course description: Performance of either vocal or instrumental music, supervised by a member of the faculty. Examination by audition and written test. Previous experience necessary for instrumentalists.

Instructor(s): T.B.A. Session: Winter Day

Objectives: Performance of a variety of music literature and possible public performance for the college. Students to learn about the variety of literature from actual performance. Previous experience necessary for instrumentalists. No experience for vocal.

Content: Wide variety of music.

Method: 2 hours rehearsal per week.

Evaluation: Audition and written test.

Additional Comments: 1/2 credit per year, limited to one full credit per student.

MUSB10H Supervised Performance II

Prerequisite: MUSB09

Course description: A continuation of MUSB09H.

Instructor(s): T.B.A. Session: Winter Day

Objectives: For further information see Music B09.

Evaluation: Audition and written test.

MUSB11F Music for the Theatre

Prerequisites: MUSA01 or MUSB08Y

Course description: Music for the Theatre from the Renaissance to the present day with emphasis on particularly significant works.

Instructor: T.B.A. Session: Winter day

MUSB13S Bach

Prerequisite: MUSA01Y or MUSB08Y

Course description: A study of the variety of music written by Johann Sebastian Bach.

Instructor: T.B.A. Session: Winter Day

Courses not offered in 1978-79:

MUSB01S Music of the Twentieth Century
Prerequisite: MUSA01 or MUSB08

MUSB02F Haydn, Mozart and Beethoven
Prerequisite: MUSA01 or MUSB08

MUSB06F Music of the Romantic Period
Prerequisite: MUSA01 or MUSB08

MUSB07S The Symphony
Prerequisite: MUSA01 or MUSB08

MUSB08Y Musical Perception

MUSB12S Stravinsky
Prerequisite: MUSA01 or MUSB08

Myth & Religion

Supervisor of Studies: J.H. Corbett

This programme combines an examination of man's perception and experience of his religious and mythic heritage and institutions from the anthropological, historical, philosophical, sociological and literary points of view. Students should select at least seven full courses (or equivalent) as follows:

(1) HUMA01Y Prologue

(2) Two of the following half-courses:

ANTB02F/S	Anthropological Study of Religion
PHLB61F/S	Philosophy of Religion
SOCC20F/S	Sociology of Religion

(3) Five further courses from the remaining half-course above and the following courses:

ANTC02F/S	Systems of Thought
CLAB02Y	Greek and Roman Tragedy
CLAB21Y	Greek and Roman Religion
CLAB23F/S	Christianity in the Greco-Roman World
FARB25F	High Gothic Architecture
FARB29F	Gothic Painting
HISB08Y	Europe in The Middle Ages
HISB44F/S	Canadian Religious Traditions
HISB13Y	Europe in the Reformation Era 1500-1650
HISB61Y	The Beginnings of France: Constantine to Charlemagne
HISC14Y	The European Mentality in the Early Modern Period
HISC43F/S	Selected Topics in Canadian Religious History
HISC62Y	The Crusades
HUMB08Y	Orpheus
HUMB20Y	Primitive Christian Literature and Myth
HUMC20Y	Jesus in Early Christianity and Judaism
ITAB31Y	Dante and Medieval Culture*
PHLB44F	Philosophers of the Middle Ages

Courses in Religious Studies offered on the St. George Campus especially:

REL 101	Introduction to the Study of Religion
REL 200	Ancient Myth and Ritual
REL 231	Christianity: Antiquity to Charlemagne
REL 232	Christianity: Middle Ages and Renaissance
REL 320	The Mythological Framework of Western Culture
REL 326S	Carl Jung's Theory of Religion

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

Natural Science

QUATERNARY STUDIES PROGRAMME

Supervisor of Studies: J.C. Ritchie

Several courses in various disciplines relate directly or indirectly to the Quaternary - that period of time encompassing the last three million years, when the formative processes underlying modern culture, landscape patterns and biogeography developed and interacted. Students with an interest in this multidisciplinary area should consult the Supervisor of Studies for further details.

NSCA02Y Introduction to Natural Science: The Biological Sciences

Exclusion: Not open to students who are taking or have taken BIOA03

Course Description: This course is designed for students with no formal background in Biology, and in particular for those whose main interests are not in the Natural Sciences. It aims to present an integrated view of the biological basis of individuality, social structure and ecological systems. An understanding of problems of environment, resources, population and race is based on a core of categories: Man, inheritance and society; population and resources; the cybernetics of ecosystems. Reading and essay writing will be an integral part of the course, supplemented by lectures and discussion periods.

Instructor: G. R. Williams Session: Winter Day

Objectives: To gain an understanding of the development of thought in the biological sciences and of the application of that thought to man and his environment.

Content: Consideration of control feedback mechanisms within biological systems at levels from that of the cell to the organismal community. Consideration of basic ecological theory with reference to familiar ecosystems.

Teaching Method: Two lecture hours plus a minimum of 1 tutorial every third week.

Evaluation: In each term students will complete one set-topic essay and one choice-topic essay (optional formats available). In the spring term 2 problem sets will be assigned. Essays and problem sets - 50% final mark. Examinations - 50%.

NSCA03Y Ice Ages and Human Ecology

Course description: A thematic introduction to the interdisciplinary study of the "Ice Age" (Quaternary) and of human paleoecology, involving several Quaternary specialists.

Instructors: B.Greenwood, J.Ritchie, H.B.Schroeder, J.Westgate Session: Winter Day

Content: An introduction to the diverse interests, research problems, and interrelationships of the various earth sciences, biological sciences, and human sciences which focus on the study of the last major period of geological time, the Quaternary. The course organization consists of a series of lectures which emphasize research problems of current interest to Quaternary scientists, who will present these problems in a manner suitable to first year students with limited backgrounds in any of the sciences. Such themes might include climatic change, the formation of glacial ice, ice movements and their effect on the landscapes, periglacial ecology, faunal extinctions, human origins, the domestication of plants and animals, human migration into the Western Hemisphere, and earliest occupations in Ontario.

Teaching Method: One two-hour lecture per week, and occasional fieldtrips.

Evaluation: Examinations and short research paper.

COURSES NOT OFFERED 1978-79

NSCA01Y Introduction to Natural Science: Physical Science
Exclusion: Not open to students who have passed PHYA01 or PHYA02

NSCA04S Introduction to twentieth century physics
Exclusions: NSCA01Y, not open to students who have pased PHYA01 or PHYA02
Prerequisites: Grade 12 Physics or permission of instructor

NSCB02Y Quaternary Environments and Man
Prerequisite: One of ANTA01, BIOA03, (GGRA07), GGRA04, GGRA05, GLGA01, NSCA02 (it is strongly recommended that students have a background in one other of the areas listed - see 77-78 calendar)

Philosophy

Discipline Representative: D.L. Mosher

Philosophy consists of a critical analysis of the ideas and concepts fundamental to such major areas of human concern as science, society, religion, morality and art. Its aim is to scrutinize the basic notions in these areas, to clarify the principles on which they are founded, to evaluate such beliefs for their soundness, and to explore their implications for a comprehensive understanding of the world in which we live. Philosophy originates in the desire to know, and its value consists of the systematic development of a questioning attitude and critical awareness.

Course offerings in Philosophy form a two year cycle: those not offered in 1977-78 will be available in 1978-79 while PHLA01, PHLB01, PHLB20, JMPB50, PHLB60 and PHLB61 are offered every year. It should be noted that in almost all areas Fall/Spring sequences are offered which when combined provide the equivalent of a full year course at the B-level. These sequences are usually scheduled in the same time slot. The B-series of courses is arranged in decade units according to areas within Philosophy, not in order of difficulty.

Further information about Philosophy may be obtained from the Discipline Representative, H505.

MAJOR PROGRAMME IN PHILOSOPHY

Supervisor of Studies: D.L. Mosher.

Students must complete PHLA01Y, PHLB01F, PHLB20F/S, JMPB50F, PHLB60F/S, four half-courses from PHLB40F to PHLB49S, one C-level half course in Philosophy: and seven other half-courses in Philosophy,

PHYSICS AND PHILOSOPHY PROGRAMME See Physics

PHILOSOPHY AND GREEK

Students should complete ten full-course equivalents made up in the following manner:

Philosophy:

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

Greek:

(1) GRKA01Y Introductory Greek
(2) GRKB01F Plato Apology
(3) GRKB11S Homer Odyssey
or GRKB12S Herodotus
(4) Four half-courses in Supervised Reading (GRKB30-39)
(5) One full course (or equivalent) from the following:
CLAB01Y Greek and Roman Epic
CLAB02Y Greek and Roman Tragedy
CLAB21Y Greek and Roman Religion
CLAB23F/S Christianity in the Greco-Roman World
GRHB01Y History of Greece from 2000 B.C. to the Death of Alexander
GRHB02Y Greek and Roman History from the Death of Alexander to the Gracchi

PHLA01Y: L01 Fundamental Questions of Philosophy

Course description: A discussion of some of the fundamental questions of Philosophy. What is good reasoning? What is morality and can it be justified? Is it reasonable to adhere to a religion? What is knowledge? Are social practices justifiable? Is materialism true? Are humans free?

Instructor: J.H. Sobel and P. Thompson. Session: Winter Day

Content/Objectives: An introduction to philosophy consisting of consideration of topics drawn from the major divisions of the subject: metaphysics, theory of knowledge, philosophy of religion, ethics and logic. Questions taken up include: What can I know? Can I know I exist? Can you know I exist? Can either of us know anything other than our present state of mind? Is there a God? Are we free? Ought I to concern myself with the interests of others? Can I? Is life ultimately without meaning? If it is, what should I do? Rail against it? Cry? Smile? Forget it? (Or none of the above).

The aim of the course is to convey an idea of philosophy, its nature and variety,by doing some and by seeing some done by great philosophers.

Bibliography: Reading material for the course is about evenly divided between works of great philosophers of the past, including Anself, Aquinas, Descartes, Berkeley, Hume and Leibniz, and works of recent and contemporary philosophers. The emphasis throughout is on analysis, clarification of ideas, and most of all on the examination and criticism of arguments and reasons for taking up various philosophic positions. One section of the course, occupying several weeks is an introductory examination of principles of logic and argument, an introduction to some of the tools that in other parts of the course are informally and often only implicitly in use.

Evaluation: To be announced later.

PHLA01Y: L02 & L03 Fundamental Questions of Philosophy

Course description: A discussion of some of the fundamental questions of Philosophy. What is good reasoning? What is morality and can it be justified? Is it reasonable to adhere to a religion? What is knowledge? Are social practices justifiable? Is materialism true? Are humans free?

Instructor: H. Herzberger Session: Winter Day

Teaching Method: A mixture of lectures and discussions. Readings from several philosophical classics, supplemented with some contemporary material. Weekly discussion sections will be focussed around issues raised in the texts and supplementary study questions which will occasionally be provided.

Evaluation: Short expository exercises,at least one research paper, and class tests (number and weighting to be negotiated with the members of the class during the first week of term).

PHLA01Y: L30 Fundamental Questions of Philosophy

Course description: A discussion of some of the fundamental questions of Philosophy. What is good reasoning? What is morality and can it b e justified? Is it reasonable to adhere to a religion? What is knowledge? Are social practices justifiable? Is materialism true? Are humans free?

Instructor: D.L. Mosher Session: Winter Night

Content: In this course there are three groups of questions which we shall deal with: (1) questions about the ultimate nature of ourselves, others and reality as a whole (metaphysical questions); (2) questions about the nature, use and limits of rational thinking, whether it be the kind of thinking found in mathematics or in science (questions in logic); and (3) questions about the nature, use and justification of moral values and the whole institution called "the moral way of life" (questions in ethics).

Texts:

Richard Taylor, Metaphysics (2nd ed.); Wesley Salmon, Logic (2nd ed.); William Frankena, Ethics (2nd ed.).

Evaluation: To be announced later.

PHLB01F Morality and Values

Course description: A study of philosophical problems and postures in ethics such as the relativity of values, the justification of morality, moral scepticism, ethical egoism, utilitarianism, deontologism.

Instructor: J.H. Sobel Session: Winter Day

Content: This course is an introduction to the problems and concepts of ethical theory as found in four preeminent texts: The Republic by Plato, Nicomachean Ethics by Aristotle, An Enquiry Concerning the Principles of Morals by Hume, and Kant's Foundations of the Metaphysics of Morals.

Evaluation: There will be a test during the term and a final examination.

PHLB02S Contemporary Ethical Theories

Exclusions: (PHLB78); (PHLC60)
Prerequisite: One B-level half course in Philosophy

Course description: A seminar on current moral Philosophy

Instructor: J.H. Sobel Session: Winter day

Content: This course has two parts. The first deals with topics concerning the nature of morality. Questions suggestive of its content are: What bearing, if any, have facts establishable empirically upon values and duties? Are values and duties facts of another autonomous order? Are values and duties objective facts of any order? Are there strictly speaking any values and duties, or is ethics rather only a region for decisions and commitment? Our approach is first to consider various theses regarding the alleged autonomy of ethics: that its terms are not definable in other terms: that its propositions are not deducible from other propositions. Then major twentieth century theories of morality (including explanations of its apparent autonomy) are examined: Intuitionism, Presciptivism and Naturalism (we consider a psychological variety, as well as a sociological conventional variety).
The second shorter part of the course concerns utilitarianism. Two sets of issues, prominent in modern discussions, are taken up. The first relate to forms of utilitarianism, 'act' and 'rule': Are the differences here deep, or will calculations in accordance with various forms, if exhaustive and error-free, always yield the same results? The second relate to the charge that utilitarianism in any form is a self-defeating doctrine: A consistent and errorless pursuit of good consequences would, it is claimed, have bad consequences. One wonders whether this is possible, and supposing that it is possible and true one wonders what it shows and whether it affords a refutation of utilitarianism.

Evaluation: A test during term, a final exam and an essay.

PHLB03F Philosophy and Art

Exclusions: (PHLB22); (PHLB57)

Course description: A study of the nature and purposes of art, considering such questions as the interpretation and evaluation of works of art, the uniqueness of artistic experiences, artistic creativity, and the importance of art.

Instructor: William Graham Session: Winter Day

Content and Evaluation: This course will investigate the relation of art to human life. A specific set of topics will be available in the Fall. A variety of art forms including music, painting, sculpture, architecture, poetry, photography will be investigated and discussed. Students should bring their own interests to bear on this course. Term work may consist of written work (two short or one longer paper) or forms of expression, demonstration, display, etc., other than the written word. One term test or equivalent exercise. Student participation is essential.

PHLB04F Philosophy in Literature

Exclusions: (PHLB26); (PHLB60)

Course description: An examination of philosophical theories and claims in literary works. Authors may include Camus, Gide, Kafka, Murdoch, Barth, Hesse, Vonnegut. Topics may include the nature of the self, the meaning of life, the subjectivity of values, the character of morality. Authors and topics may vary from year to year.

Instructor: P.A. Alperson. Session: Winter Evening

Content: Although philosophical ideas are traditionally presented in argument form in philosophical treatises, they also find expression in literature with particular force. In this course, we will explore a variety of philosophical problems as they occur, either explicitly or implicitly, in selected works of literature. Topics will include: guilt, deception and responsibility; the problem of God's existence and the existence of evil and suffering; and the significance of death, dying and the possibility of life after death. We will also examine the more general question of the relation of Philosophy to its expression in literature.

Texts will include: Tolstoy, The Death of Ivan Ilyitch; Sartre, "The Wall," "Existentialism;" Unamuno, The Tragic Sense of Life; and Plato, Apology, Crito and Phado.

Course work will include two papers and one examination.

PHLB05F Social Issues

Course description: An examination of the moral questions surrounding some of the following: abortion, capital punishment, human sexual relations (homosexuality, adultery etc.), eugenics, ecology, civil disobedience, policies toward the Third World, and toward the poor.

Instructor: R.P. Thompson Session: Winter Day

Content: An examination of the moral questions surrounding: human sexual relations, abortion, world hunger, discrimination and genetic control.

Teaching Method: Lectures and discussion.

Evaluation: One essay (2/3) and one exam (1/3)

PHLB12F Marx and Marxism

Exclusions: (PHLB77); (PHLC55)
Prerequisites: One course or half-course in Philosophy, Sociology, Political Science or Economics - PHLB10 is recommended but not required

Course description: The philosophies of Marx, Engels, Lenin and others.

Instructor: William Graham Session: Winter Day

Content and Evaluation: This course is designed to provide the student with a basic and thorough understanding of the philosophy of Marxism, including its backgrounds and consequences. Lectures and discussions. Two papers, one on the early period and one on the later period, and an in-term reading test will comprise the term work. Emphasis will be placed on the relation of theory to practice in the everyday world. Students will be expected to participate in class work and discussion.

Text: Karl Marx: Selected Writings ed. David McLellan (Oxford, 1977)

PHLB17S Anarchism

Exclusion: (PHLB50)

Course description: A study of major anarchists and problems of libertarian thought and practice; the impact of anarchism on social, cultural and political institutions; classical and contemporary anarchists such as Proudhon, Bakunin, Kropotkin, Tolstoy, Sorel and others.

Instructor: William Graham Session: Winter Day

Content and Evaluation: "Others" (mentioned above) include Malatesta, Rocker, Landauer and Emma Goldman. Lectures and discussions concerning the historical development of anarchism, its specific problems and emphases: freedom versus the state; and its specific relation to everyday life and practice in Canada and around the world. Amounts and types of term work to be determined by free contractual agreement between student and instructor in the anarchist manner. Texts will include, Michael Bakunin: Selected Writings, ed. Arthur Lehning, as well as other texts.

PHLB20S Belief, Knowledge and Truth

Course description: An examination of, among other things: certainty, the problem of scepticism, the scope and limits of human knowledge, the subjectivity of perception, rationality, and theories of truth.

Instructor: R.P. Thompson Session: Summer Evening

Content: We will begin with the examination of the claim that knowledge is justified true belief. This will involve the detailed examination of the concepts, 'justification' and 'truth'. We will then examine initiation into world views (conceptual schemes) and the web of belief as foundation aspects of knowledge.

Teaching Method: Lectures and discussions.

Evaluation: 1 major essay (2/3)
1 exam (1/3)

PHLB30S Existentialism

Exclusions: (PHLB18); (PHLB76); (PHLC54)
Prerequisite: One B-level half-course in Philosophy

Course description: A study of the views and approaches characteristic of such writers as Kierkegaard, Husserl, Jaspers, Heidegger and Sartre.

Instructor: Robert Burch Session: Winter Evening

Content: The course has four main objectives: (1) to familiarize students with the work of some of the leading "existentialist" thinkers, including Kierkegaard, Nietzsche, Heidegger, Sartre and Jaspers; (2) to integrate existentialist thought by focussing upon the development of some common themes; (3) to understand such thinking in its proper context, as a critical response to aspects of the philosophical tradition; (4) to emphasize its particular relevance to the quest for authentic self identity and a sense of existence.

Included among the readings are:

Nietzsche, The Gay Science
Sartre, Existentialism is a Humanism
Heidegger, Being and Time (selections), and others.

PHLB40 F Plato and his Predecessors I

Exclusions: (PHLB11); (PHLB65)

Course description: A study of the origins of Philosophy in Greece and the views of the earliest Philosophers regarding the nature of the world. A consideration of the main aspects of the philosophy of Plato.

Instructor: P.W. Gooch Session: Winter Day

Objectives:
To introduce students to the philosophy of Socrates as seen in Plato's earlier dialogues; to develop a critical ability to read texts, to follow and assess arguments.

Content:
A study of the central themes in Plato's presentation of Socrates: the Socratic method, the paradoxes about virtue and knowledge, civil disobedience, the possibility of teaching goodness, the possibility of life after death. The course will present philosophy not as a set of doctrines but as a way of living: "the unexamined life is not worth living".

Bibliography:
Either: Plato: Collected Dialogues, Pantheon
Or: The Last Days of Socrates, Penguin
Protagoras and Meno, Penguin
Gorgias, Penguin
Phaedo (ed. D. Gallop), Oxford paperback

Evaluation:
A couple of very brief analytical papers; an essay; and an examination.

PHLB41S Plato and Predecessors II

Prerequisite: PHLB40

Course description: A continuation of PHLB40.

Instructor: P.W. Gooch Session: Winter Day

Objectives:
To continue the study of Plato's philosophy begun in PHLB40; to develop an understanding of the themes of the middle and later dialogues of Plato; to encourage the growth of critical skills.

Content:
The course will work through major themes in Plato's Republic and develop those themes through other works of Plato. For instance: Plato's theory of knowledge in the Theaetetus; his understanding of the relation between knowledge and love in the Symposium and Phaedrus; and issues in Plato's psychology and ethics in some passages selected from other dialogues.

Bibliography:
Plato: Collected Dialogues, Pantheon

Evaluation: A seminar presentation; an essay; and an examination.

PHLB48F Philosophy in the Later Modern Age I

Exclusion: (PHLB72)

Course description: An examination of selected texts of Kant, Schopenhauer and Nietzsche. Central questions will be the difference between reality and appearance, the nature of knowledge and morality.

Instructor: William Graham Session: Winter Evening

Content and Evaluation: The above course description is misleading and should be ignored. This course will consist of a study of the thought of the most important and influential modern philosophers such as Hegel, Schopenhauer and Nietzsche who are fundamental to an understanding of the age in which we presently live and to our everyday affairs and problems.

Lectures and discussions concerning selected texts, available in the Fall. Term Work to be arranged by contractual agreement between student and instructors.

PHLB49S Philosophy in the Later Modern Age II

Exclusions: (PHLB74); (PHLC53)

Course description: A study of the "Anglo-Saxon" analytic tradition: Frege, Russell, Wittgenstein, Strawson, Quine. Subject discussed mainly: the nature of what there is; the relation of language and reality.

Instructor: R.P. Thompson Session: Winter Night

Content: A detailed study of some of the works of Russell Quine and Peirce.

Teaching Method: Lectures and discussions.

Evaluation: One essay (2/3) and one exam (1/3)

JMPB50F Symbolic Logic

(See listing under section for Joint Courses)

JMPB51S Symbolic Logic II
(See listing under section for Joint Courses)

PHLB60 Existence and Reality

Course description: In perceiving, categorizing and classifying reality, certain very basic concepts are employed. The course will consider problems in metaphysics arising in connection with one or more of these concepts: existence, being, space, time, identity, causality, mind and value.

Instructor: D.L. Mosher Session: B60F Summer Night
B60S Winter Day.

Content: We shall examine in some detail, by way of lecture, reading material and discussion, the following problems of metaphysics.

(1) the nature and function of metaphysical thought,

(2) the nature of reality,

(3) being and substance,

(4) mind, body and the person,

(5) the world and God.

Text: To be announced later.

Evaluation: A major essay and a final examination.

PHLB61F Philosophy of Religion

Course description: A study of such topics as the nature and existence of God, immortality, God and morality, and religious language and symbolism.

Instructor: D.L. Mosher Session: Winter day

Content: We shall raise, discuss and attempt to answer a number of important questions about God as conceived by theistic religious belief, for it is theism which lies at the heart of the most widespread religious traditions of Western civilization. In regard to theism, we shall deal with four problem areas: (1) the attributes of God, (2) the language of theistic belief ("God-talk"), (3) religious experience and (4) faith and reason.

Text: Steven M. Cahn, ed., Philosophy of Religion (New York: Harper & Row, Publishers, 1970).

Evaluation: A major essay and a final examination.

PHLB70F Philosophy of Science

Prerequisite: One course or half-course in Philosophy or in the Division of Science.

Course description: A study of philosophical questions raised by the Natural Sciences. What is scientific explanation? In what sense does a Science tell us what the world is really like? What is causality and does it play a significant role in Science? How are theories justified?

Instructor: R.P. Thompson Session: Winter day

Content: An examination of the logical structure of explanation, law and theory in the natural sciences.

Evaluation: One essay (2/3) and one exam (1/3).

PHLB81S Theories of Mind

Prerequisites: One B-level course or half-course in Philosophy or Psychology.

Course description: An examination of the philosophical presuppositions of psychological theories such as those of Freud and Jung, Behaviourism and Existential Psychology. Problems such as the relation of mind and body, conscious and unconscious, the meaning of mentalistic concepts and the analysis of dreaming will be studied.

Instructor: William Graham Session: Winter Day

Content: From the above set of topics this course will not consider Behaviourism because it is not a theory of mind at all, but the course will concern itself with the image of the self.

Lectures and discussions. One term test. Other term work to consist of one or two written essays, or their equivalent in some medium of expression other than writing.

PHLB88F Contemporary Philosophic Issues: The U.F.O. Debate

Course description: An analysis of the concepts, 'evidence', 'explanation', 'anomalous data', 'theory revision', and 'conceptual bias' as they relate to the U.F.O. phenomenon.

Instructor: R.P. Thompson Session: Winter day

Content: A study of the U.F.O. phenomenon (which is to be distinguished from extra terrestial visitation) provides, along with parapsychological phenomena, an ideal subject matter for discussion of many aspects of the philosophy of science. Questions concerning the nature of evidence, the role of current theories in determining what is possible and impossible, the modes of explanation which are acceptable and appropriate to the U.F.O. phenomenon, and the requirements that must be met in order to justify a radical reconceptualization of the nature of the universe, are but a few of the important and substantial issues which arise in the U.F.O. debate. In the course we will examine screened reports (i.e. the most reliable and credible) of U.F.O's. These will be used as a basis for discussing the concepts of, 'explanation', 'evidence', 'ideal observation', etc., as well as an examination of the various theories which have been advanced to explain U.F.O's.

Evaluation: One essay (2/3) and one exam (1/3).

Bibliography: Hynek, J. Allen, The U.F.O. Experience: A Scientific Inquiry; Hunek, J. Allen, The Hynek U.F.O. Report; Sagan, C. & Page,T. U.F.O's : A Scientific Debate; Lambert K. & Brittan, G.C. An Introduction to the Philosophy of Science.

PHLC87S Seminar in Philosophy: Philosophical Issues in Biology

Prerequisites: PHLB70F or PHLB14S; permission of instructor

Course Content: Discussions of reductionism, models of explanation, types of laws and the structure of theory in Biology.

Instructor: R.P. Thompson Session: Winter day

Evaluation: To be determined at first class.

Teaching Method: Seminar discussions.

PHLC88S Seminar in Philosophy: St. Augustine's Philosophic Dialogues

Prerequisites: Two B-level half-courses in Philosophy.

Course Content: A study of selections from St. Augustine's purely philosophic dialogues with emphasis on such typically Augustinian conerns as skepticism and knowledge, faith and reason, happiness and truth, God and the soul, etc.

Instructor: D.L. Mosher. Session: Winter day.

Texts: St. Augustine, Against the Academic Skeptics, The Happy Life, Providence, Soliloquies, The Immortality of the Soul, The "Greatness" of the Soul, The Teacher and Free Choice of the Will. (These texts are readily available in English translation in the series, Fathers of the Church.

Evaluation: A major essay and a final examination.

PHLC89S Seminar in Philosophy: Games, Decisions and Social Choice.

Prerequisites: Two B-level half-courses in Philosophy: permission of instructor.

Instructor: J.H. Sobel Session: Winter day

Content: A survey of formal theories of rational decisions, the interaction of rational agents, the proper bearing of individual preferences on social policy, and the characteristics of rational cooperation. Special topics taken up should include: problems for decision theory set by Allais, Ellsberg, and Newcomb; apparent breakdowns of individual rationality in interaction (or 'game') situations; problems for social choice rules - the impossibility of satisfying various sets of seemingly proper conditions on such rules. Connections with doctrines and issues in ethical and political theory will often be obvious and will sometimes be developed.

There are no specific prerequisites either in philosophy, mathematics, or science, but a certain intellectual sophistication and capacity for abstract thought is required. This course should be of interest to a wide range of students with backgrounds in economics, political theory, philosophy, sociology, psychology, or mathematics.

Bibliography: (principal texts)

R.D. Luce and H. Raiffa, Games and Decisions.

A. Sen, Collective Choice and Social Welfare.

Evaluation: To be arranged.

PHLC95F/S
PHLC96F/S
PHLC97F/S
PHLC98F/S
PHLC99Y — Independent Studies

Prerequisites: Two B-level half-courses in Philosophy; permission of instructor.

Courses not offered in 1978-79:

PHLB10F/S Society, the State and the Citizen
Exclusion: (PHLB52)

PHLB11F/S Philosophy of Law

PHLB14F/S Philosophy of Social Science
Exclusion: (PHLB62)
Prerequisite: One course in Philosophy or in the Division of Social Sciences

PHLB15F/S Philosophy of Education

PHLB16F/S Philosophy of History
Exclusion: (PHLB64)
Prerequisite: One course or half-course in History or Philosophy is recommended but not required

PHLB20F/S Belief, Knowledge and Truth
Exclusions: (PHLB33); (PHLB54)

PHLB42F Aristotle and Later Greek Philosophy I
Exclusions: (PHLB11); (PHLB66)

PHLB43S Aristotle and Later Greek Philosophy II
Prerequisite: PHLB42

PHLB44F Philosophers of the Middle Ages I
Exclusions: (PHLB12); (PHLB67)

PHLB45S Philosophers of the Middle Ages II
Prerequisite: PHLB44

PHLB46S Philosophy in the Early Modern Age I
Exclusion: (PHLB71)

PHLB47S Philosophy in the Early Modern Age II
Prerequisite: PHLB46

PHLB80F/S Philosophy of Language
Exclusion: (PHLB35)
Prerequisite: One B-level course or half-course in Philosophy or Linguistics

Physics

Discipline Representative: J. M. Perz

Physics is the study of inanimate matter in action, and of the basic laws which describe how the parts of matter move, and how they influence each other. The effect of a star on the motion of a planet, or of the Earth on the motion of a satellite, the effect of a molecule on a neighbouring atom, or of an atomic nucleus on an electron, may be accurately described in terms of the general laws of Physics. Although Newton's laws of motion adequately describe some of these situations, in most cases it is necessary to apply the more recently discovered refinements of these laws - quantum mechanics and the theory of relativity, together with the understanding of electric and magnetic effects so beautifully synthesized in Maxwell's theory of electromagnetism. From these basic principles many of the properties of gases, liquids, solids, plasmas, and nuclear matter may be understood in terms of the interactions between the individual units of which these forms of matter are composed.

Physics allows us to describe the properties of light, sound and heat up to the point where these enter our senses and of X-ray, radio, cosmic and other radiations of which we are not directly aware. The remarkable properties of some materials under extreme conditions of temperature and pressure, and of other materials when an electric current passes through them, form the basis of a wide range of applications of the subject.

It is possible to develop, in mathematical language, theories that run so closely parallel to the development of physical phenomena that they may be used to accurately describe and even predict the results of many carefully controlled experiments. The study of Physics therefore requires some studies both of Mathematics and of the techniques that are needed in the performance of accurate experiments.

Students intending to specialize in Physics are advised to select their courses in accordance with the requirements of either the Major Programme in Physics or that in Mathematics and Physics.

Less intensive programmes are available for those whose major interests do not lie in Physics. Specifically, the pair of courses PHYA02 and PHYB06 cover many topics in Physics and the principles of their application to a number of areas of science. The laboratory course PHYB08H offers a wide spectrum of experiments for students of PHYB01 or PHYB06. Additional more specialized B-level courses are also open to students who have completed A-level Physics and Calculus courses.

The listed pre- and corequisites imply others not explicitly listed: details are available from the Physical Sciences Group Office (Room R-4704).

Students interested in Physics should also refer to:
NSCA01Y Introduction to Natural Science: Physical Science
JPAC10Y Relativity and Cosmology
JPMC42S Advanced Classical Mechanics

MAJOR PROGRAMME IN PHYSICS

Supervisor of Studies: A. E. Jacobs

Students should complete a minimum of fourteen courses in physics and mathematics, as specified below. An optional mathematics programme more suitable for students with interest in mathematics and physics or theoretical physics is specified in parentheses; such students might also consider the Mathematics and Physics major programme. It is essential that students choose the appropriate set of mathematics courses from the beginning, since transfers between the sets are severely restricted. It is recommended that all students take MATA40F.

(1) In the first year of full-time study (or equivalent):
PHYA01Y; MATA26Y (or MATA40F, MATA45S, MATA55Y)

(2) In the second year of full-time study (or equivalent):

PHYB01Y; PHYB04F; (PHYB05S); PHYB17S; PHYB18F; PHYB08H; PHYB09S; MATB41F; MATB42S (or MATB50F; MATB55S)

(3) In the third year of full-time study (or equivalent):

PHYC01Y; PHYC03Y; PHYC05H; PHYC06F; JPMC42S; MATC41F; MATC60F; (or MATB51F†; MATB56S†; MATC60F; MATC65S)

† Can be taken in second or third year.

(4) In the fourth year of full-time study (or equivalent):

Three 400-level (St. George) physics courses or JPAC10Y plus two 400-level physics courses.

MAJOR PROGRAMME IN PHYSICS WITH PHILOSOPHY

Supervisors of Studies: J.M. Perz (Physics) and
R.P. Thompson (Philosophy)

Students should complete the following thirteen and one-half courses. The order in which some of the advanced philosophy courses are taken may be altered, depending on which courses are available in a given year. Students wishing to receive a B.Sc. degree must take an additional half course at B- or C-level in a science subject as defined in the recommendations for the twenty-course B.Sc. degree.

(1) In the first year of full-time study (or equivalent):

PHYA01Y; PHLA01Y, MATA26Y

(2) In the second year of full-time study (or equivalent):

PHYB01Y; PHYB04F; (PHYB05S); PHYB17S; PHYB18F; JMPB50F; JMPB51S or PHLB70F/S; MATB41F; MATB42S.

(3) In the third year of full-time study (or equivalent):

PHYC01Y; PHYC06F; JPMC42S; PHLB70F/S or PHLB51S; PHLB87F/S* or PHL470F (St. George) or PHL471S (St. George); MATC41F; MATC60F.

*In years when PHLB87S (Contemporary Philosophic Issues) deals with advanced philosophy of science.

(4) In the fourth year of full-time study (or equivalent):

PHY450Y (St. George); Two of PHLB20F, PHLB46F, PHLB47S, PHLB60S and PHL options.

(5) NSCA01 and MATA40F are also recommended.

PHYA01Y Classical Mechanics

Exclusions: PHYA02

Prerequisites: Grade 13 Physics or NSCA01, Grade 13 Calculus

Corequisites: MATA26 or MATA55

Course Description: Motions of single particles and collections of particles from the point of view of Newtonian physics. Equilibrium of rigid bodies, kinetic theory of gases, mechanics of fluids, introduction to thermodynamics. A laboratory emphasizing most of these physical phenomena is part of the course.

Instructor: A. E. Jacobs Session: Winter Day

Content: Problem solving is a very important part of the course. A set of solutions to assigned problems must be handed in almost every week. Experience with experimental work is gained in the accompanying laboratory.

Teaching Method: Two lecture hours and one tutorial hour per week. One laboratory session every two weeks.

PHYA02Y Principles of Classical Physics

Exclusions: PHYA01

Corequisites: MATA22 or MATA26 or MATA55

Course Description: This course with its associated laboratory offers a survey of the principles of Classical Physics. It is complete in itself, but also provides a foundation for those wishing to take a survey course in Contemporary Physics, such as PHYB06Y. However, it is not designed for those who expect to continue with major studies in Physics. The topics include: newtonian mechanics, laws of motion, momentum, energy, simple harmonic motion, gravitational forces, electricity and magnetism, properties of fluids, kinetic theory, laws of thermodynamics.

Instructor: J. D. King Session: Winter Day

Teaching Method: Two hours of lectures (with discussion and demonstrations), one hour of tutorial per week, three hours laboratory every second week.

Text: R. L. Armstrong and J. D. King, Mechanics, Waves, and Thermal Physics, (Prentice-Hall).

Evaluation: 1 problem set per week, mid-term tests, laboratory work, and final examination.

PHYB01Y Electricity and Magnetism

Prerequisites: PHYA01 (recommended) or PHYA02

Corequisites: MATB41 or MATB50

Other Recommended Courses: MATB42 or MATB55; PHYB08H (a laboratory) would also be helpful.

Course Description: Electrostatics; electric field and potential; electric currents; direct current circuits; special relativity and Lorentz transformation; magnetic field and vector potential; fields of moving charges; transformation of fields; electromagnetic induction; Maxwell's equations and wave propagation; introduction to electric and magnetic fields in matter; alternating current circuits.

Instructors: M.J.G. Lee / J.M. Perz Session: Winter Day

Teaching Method: Two one-hour lectures per week; one one-hour tutorial per week; one problem set per week. The emphasis will be on a thorough understanding of fundamentals, and on logical reasoning in proofs and problem solutions.

Bibliography: Text: Electricity and Magnetism by E.M. Purcell, McGraw-Hill (1965).

Evaluation: Term test in December; final examination in April/May; quizzes and problem sets - each to count for approximately 1/3 of the final grade.

PHYB04F Waves

Prerequisite: PHYA01 or PHYA02; MATA26 or MATA55

Course Description: Topics discussed include wave equations, superposition of waves, emission and absorption of waves, impedance, polarization, interference, and diffraction. Applications are made to sound waves, radio waves, light waves, surface water waves and waves on a string.

Instructor: TBA Session: Winter Day

PHYB06Y Principles of Contemporary Physics

Exclusions: PHYB17; PHYB18

Prerequisites: PHYA02 or PHYA01; MATA22 or MATA26 or MATA55

Course Description: This course surveys the remarkable progress that has been made in understanding the physical world in the twentieth century. It is designed for students whose interests are in the Life Sciences or in interdisciplinary studies, and is a natural continuation of PHYA02Y. The topics include: special theory of relativity, relativistic dynamics, Maxwell's equations, electromagnetic waves, wave-particle duality, de Broglie waves, the Schroedinger equation, the hydrogen atom, atomic and molecular structure, the solid state, nuclear physics, the fundamental particles.

Instructors: M.J.G. Lee/TBA Session: Winter Day

Teaching Method: Two lectures and 1 tutorial per week. Problem sets will be discussed in detail in a weekly tutorial.

Bibliography: The text is Fundamentals of Waves, Optics, and Modern Physics by H.D. Young, 2nd Edition (McGraw-Hill, 1976).

Evaluation: Christmas exam, final exam, mid-term tests, and problem sets.

PHYB08H Intermediate Physics Laboratory

Prerequisite: PHYA01 or PHYA02

Corequisite: PHYB01 or PHYB06

Course Description: Experiments are provided that deal with basic electricity and magnetism, electronics, solid state physics, and atomic and nuclear physics (illustrating material covered in lecture courses PHYB01 and PHYB06). Limited Enrolment - 20

Instructors: M.J.G. Lee / J.M. Perz Session: Winter Day

Teaching Method: A six-hour laboratory period once every two weeks. A single experiment may extend over more than one period. Students are expected to plan their experiments thoroughly beforehand, discussing their approach with one of the instructors or demonstrators. Observations including numerical data must be recorded carefully and thoroughly.

Bibliography: Intermediate Physics Laboratory Manual, available in the laboratory. This contains references to other sources, a number of which are available for consultation in the laboratory.

Evaluation: This will be based, with equal weight, first on the preparation and performance of the experiment, and recording of observations and data, and secondly on four formal laboratory reports.

Additional Comments: At the beginning of the course, two hours of lectures will be given on electrical circuit theory, for the benefit of those who wish to do experiments in that area. (Attendance will be voluntary).

PHYB09S Thermodynamics

Exclusion: CHMB03

Prerequisites: MATB41 or MATB50, PHYA01 or PHYA02

Corequisite: MATB42

Course Description: General principles of classical thermodynamics including the first, second and third laws and applications. Lectures are the same as those for the spring term half of CHMB03Y; problems oriented towards applications in physics will be provided.

Instructors: G.A. Kenney-Wallace/A. Griffin Session: Winter Day

PHYB17S Introduction to Quantum Physics

Exclusion: PHYB06

Prerequisites: PHYB04; MATB41 or MATB50

Course Description: Experimental evidence of the need for quantum physics (photoelectric effect, atomic spectra, matter waves, black-body radion). Wave packets and the Schroedinger equation. Energy quantization, tunnelling, the harmonic oscillator. Quantization of angular momentum and spin.

Instructor: P.J. O'Donnell Session: Winter Day

PHYB18F Special Relativity

Exclusions: JPAC08; PHYB06

Prerequisites: PHYA01 or PHYA02

Course Description: Foundations of relativity theory. Lorentz transformations. Relativistic kinematics and optics. Space-time four-vectors, relativistic particle mechanics.

Instructor: A. Griffin Session: Winter Day

PHYC01Y Quantum Physics

Prerequisites: PHYB01, MATB50 or (MATB41 and MATB42), PHYB17

Course Description: Introduction to the basic ideas of quantum mechanics and to its applications in Modern Physics.

Instructors: A. Griffin/A.E. Jacobs Session: Winter Day

Content: Development of quantum physics during the first quarter of the present century. Schroedinger's equation, Heisenberg's matrix mechanics and their inter-relation. Correspondence Principle. Applications to simple harmonic oscillators, to particles confined in a box, and to hydrogen-like atoms. Simple scattering problems, tunnel effect. Approximation methods with application to the helium atom and the hydrogen molecule. Quantization of angular momentum. Electron spin. Isospin and other quantum numbers of particles and nuclei. Rotation and vibration of molecules and atomic nuclei. Excited states of quantized systems. Spontaneous and stimulated emission of electromagnetic radiation. Energy bands in periodic potentials.

Evaluation: Problem sets and term tests.

Reference: Quantum Physics of Atoms, Molecules, Solids, Nuclei and Particles by R. Eisberg and R. Resnick.

PHYC03Y Electromagnetic Fields and Waves

Prerequisites: PHYB01; PHYB04; MATB41 or MATB50

Corequisites: (MATB51 and MATB56) or MATC41

Other recommended course: PHYB18

Course Description: Electrostatic fields in vacuum and in dielectric materials; multipole expansion, polarization, polarization current density, susceptibility, forces on conductors, forces on dielectrics etc. Laplace's and Poisson's equations and their solutions in particular cases. Special relativity and the transformation laws obeyed by the fields and potentials. Magnetostatic fields in vacuum and in materials; induction, inductance, magnetic torque and pressure, magnetization, susceptibility, hysteresis, etc., Maxwell's equations. Propagation of electromagnetic waves in infinite media (free space, nonconductors, conductors and low-pressure ionized gases); Poynting vector. Reflection and refraction of electromagnetic waves; Snell's law, Fresnel's equations, Brewster angle, total internal reflection, etc. Wave guides, TE, TM and TEM waves. Radiation of electromagnetic waves; antennae.

Instructor: M.B. Walker Session: Winter Day

Bibliography: 1) Electromagnetic Fields and Waves by P. Lorrain and D. Corson (2nd edition); 2) Foundations of Electromagnetic Theory by J.R. Reitz and F.J. Milford; 3) Electromagnetic Fields and Interactions, Volume I by Richard Becker; 4) Classical Electrodynamics by J.D. Jackson.

Evaluation: Two term tests and problem sets.

PHYC05H Advanced Physics Laboratory

Prerequisite: PHYB08 and permission of instructor

Corequisite: PHYC01

Course Description: A selection is made of a number of advanced and detailed experiments illustrating fundamental principles and techniques in Physics. Limited enrolment - 20

Instructors: M.J.G. Lee/J.M. Perz Session: Winter Day

Objectives: This course is designed to involve students in some more complex experiments, introducing them to vacuum techniques, X-rays, nuclear instrumentation, etc. Students will work with a minimum of supervision and will be expected to take the initiative in overcoming experimental difficulties.

Teaching Method: A six-hour laboratory period once every two weeks. A single experiment may extend over more than one period.

Evaluation: This will be based, with equal weight, first on the performance of the experiments and recording of observations and data, and secondly on four formal reports.

PHYC06F Statistical Physics

Exclusion: PHYB05
Prerequisites: PHYB17

Course description: Studies of entropy, thermodynamics and statistical mechanical ensembles, with applications including the kinetic theory of gases, paramagnetism, the specific heats of gases, isotope separation and phase transitions.

Instructor: P.J. O'Donnell Session: Winter Day

Political Science

Assistant Chairman: K.R.J. Sandbrook

There is no concise and satisfactory definition of "politics". Thus it has been suggested that politics is "the art of the possible", that politics is about the resolution of conflict and accommodation of diverse interests, that politics is about power and "Who gets, What, When and How", that politics is about "the Good", and so forth. Indeed, in a sense the study of politics is a continuing exploration of these suggestions. But on the whole, as one writer has proposed, it is wiser "to start with ordinary usage, and to explore its implications, rather than to begin or end with a formal definition."

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

The Political Science Programme at Scarborough College offers a broad and varied selection of courses from every field within the discipline. It is designed to 1) satisfy the needs of students who intend to pursue careers in government service and teaching, and in the legal and business professions; 2) prepare students who wish to go on to advanced graduate study within political science; 3) to offer an interesting range of courses to students who wish to explore in a less structured way the important questions of political inquiry.

Courses may be taken in varying sequences and combinations, leading to specialist certification for those completing an approved 10-course load over four years, or to certification for the completion of an approved specialized study programme of recognized academic merit.

COURSE AND PROGRAMME SELECTION

Students who intend to pursue some degree of specialization in Political Science should, at an early moment, draw up a preliminary programme of study in consultation with a member of the Political Science Staff.

The recommended sequence of courses would begin with an introductory course at the A level (POLA01 Introduction to Political Studies; POLA02 Introduction to Political Theory; POLA03 Introduction to Comparative Politics). Students interested in domestic politics and careers in government should begin with POLA01 since it is a prerequisite for advanced courses in Canadian Government and Politics. Students intending to seek certification should register by filing the appropriate Registration form with the Divisional Secretaries in R511. While supervision of final certification is the responsibility of the Supervisor of Studies, Professor M.W. Donnelly, you should consult with the faculty member you know best for guidance on course selection. An Orientation meeting will be scheduled in the early fall to help familiarize students with the aims of the political science programme, as well as to introduce faculty responsible for teaching, and career and graduate study guidance.

MAJOR PROGRAMME IN POLITICAL SCIENCE

Supervisor of Studies: M.W. Donnelly

Students should complete at least ten courses in Political Science including:

(1) no more than two courses at the Introductory level

(2) two courses in Political Theory

(3) one course in Canadian Government

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

POLA01Y The Introduction to Political Studies

Course description: This course seeks to introduce students to political inquiry by a focus upon an area of major concern for Canadians: the applicability of theories and notions respecting the liberal-democratic State to the Canadian situation.

Instructors: S.J. Colman, J. Esberey Session: Winter Day

Content: In the first term the main questions in the theory of liberal democracy will be raised, in order to work towards an understanding of what "liberal democracy" means and what principles are involved in it. In the second term the Canadian political system will be analyzed in order to discover to what extent and in what manner these principles can be applied in Canadian political institutions and society. Where necessary comparisons will be made with other liberal democracies.

Teaching Method: Two hours of lectures, with discussion, and one tutorial hour per week. Attendance at lectures and tutorials is required.

Evaluation: Final examination (50%) and an essay each term (25% each).

Readings Lists: These will be distributed in class or are available earlier on request.

POLA02Y Introduction to Political Theory

Course description: The purpose of the course is to introduce the student to some of the more important perspectives on political order and the modes of freedom compatible with such order. Some of the thinkers discussed will be: Machiavelli; Hobbes; Aristotle; Rousseau; Burke and Marx.

Instructor(s): E. Andrew; S. Solomon Session: Winter Day

Evaluation: Two essays, one each term will be worth 50% of the final mark. A final examination constitutes the other 50%.

POLB01Y Canadian Government and Politics

Exclusion: POLA01 prior to 1978-79

Course description: A study of Canadian political institutions and processes.

Instructor: R.Blair Session: Winter Day

Content: Specific topics include: the constitution, federalism, fiscal relations, political regionalism, class and politics, Quebec, political parties, interest groups, representation, Parliament, Cabinet, legislative-executive relations, the public service, policy-making.

Teaching Method: 2 lectures and 1 tutorial weekly.

Evaluation: 2 essays
1 term test
1 final examination

POLBO3Y Political Thought of the Eighteenth and Nineteenth Centuries

Course description: A study of the major political philosophers of the eighteenth and nineteenth centuries.

Instructor: S.J. Colman Session: Winter Day
Summer Evening

Content: Students will be expected to study the principal relevant works of Rousseau, Hegel, J.S. Mill and Marx. These writers will be dealt with thoroughly in lectures and tutorials. Less extensive attention will be paid to Montesquieu, Hume, Kant, Burke, Bentham, Tocqueville and T.H. Green.

Teaching Method: Two hours of lectures, with discussion, and one tutorial hour each week. Students are expected to attend the lectures. The tutorials are voluntary.

Evaluation: Final examination (40%) and four short papers (15% each).

Reading Lists: These will be distributed during class or are available earlier on request.

POLBO5Y Public Administration

Course description: An examination of the role of the bureaucracy in the Canadian and other political systems, focussing on the organization, staffing and management of the public service. Special emphasis will be placed on the powers of the bureaucracy and ways and means of controlling it.

Instructor: T.B.A. Session: Winter evening

Evaluation: a combination of research papers, presentations, and a final examination.

POLBO6Y Political Thought from Plato to Locke

Course description: A discussion of the political thought of Plato, Aristotle, Augustine, Machiavelli, Hobbes and Locke.

Instructor: E. Andrew Session: Winter Day

Evaluation: Term work and a final examination.

POLB10Y International Relations

Course description: The nature of the international system; the factors that motivate foreign policies; and the institutions for the conduct of international relations. The purpose of the course is to help the student develop intellectual tools with which to analyse politics at the international level.

Instructor: T.B.A. Session: Winter Day

Evaluation: a combination of essays and examinations. Specific details to be settled at the first meeting.

POLB12Y Politics and Society in Independent Africa

Prerequisites: None, but a course in introductory political science would be helpful.

Course description: Although the focus of this course is independent Africa, it is about the generic problems of underdevelopment in the third world and the possibilities for progressive change. The three major questions with which the course grapples are the following. To what extent is the fate of poor African countries determined by such external factors as the colonial legacy and what is often referred to as "neo-colonialism" or "neo-imperialism"? To what extent are progressive developmental policies blocked by the power of new vested interest groups created by rapid political and economic change in African countries? What are some of the major political institutions and development strategies through which governments seek to direct change, and how effective are their efforts, given the constraints upon their freedom of action?

Instructor: T.B.A. Session: Winter Evening

Evaluation: 1 research essay, 1 seminar presentation, and a final examination.

POLB19F Intergovernmental Relations

Prerequisite: POLA01

Course description: An examination of some of the problems of intergovernmental relations which arise in a federal state and of the governmental machinery which has been developed to deal with these issues. Emphasis on modern Canada.

Instructor: J. Esberey Session: Winter Day

Content: The initial emphasis is placed on an examination of three case studies of federal provincial interaction. The basic propositions put forward in these studies will then be examined in relation to other areas of intergovernmental relations.

Teaching Method: a two hour lecture seminar each week.

Evaluation: a combination of examinations, essay and class discussion. Specific details to be settled at first meeting.

Additional comments: Active participation in class discussion and regular preparatory reading for seminars is essential.

POLB23Y Soviet Government and Politics

Course description: The development of Soviet political and social institutions since 1917, with emphasis upon the process of modernization and its effects.

Instructors: S.G. Solomon and T.J. Colton Session: Winter Day

Evaluation: A combination of essays and examinations. Specific details to be settled at the first meeting.

POLB24Y Psychology and Politics

Course description: An introductory workshop in applied psychology. This course explores some of the areas in which our understanding of the political process has benefitted from the application of psychological knowledge. The lecture/discussion period will be concerned with a general overview of the literature in the field and students are encouraged to undertake further detailed research in areas where they have the necessary psychological or political science background. During the fall term the focus will be on conflict in political systems and political corruption. In the spring term the focus will be on human nature and politics and the influence of personality factors.

Instructor: J. Esberey Session: Winter Evening

Teaching Method: A weekly two hour lecture-seminar.

Evaluation: A combination of examinations, essays and class discussion. Specific details to be settled at the first meeting.

POLB26Y U.S. Government and Politics

Course description: A general examination of national institutions and political processes in the United States with special emphasis on the role of presidential leadership in policy making.

Instructor: M.W. Donnelly Session: Winter Day

Evaluation: An analytical essay, two one-hour examinations during term, and a final exam of two hours.

POLB29Y Twentieth Century Political Thought

Course description: A study of some of the major developments in political thought in the 20th Century.

Instructor(s): S. Solomon (day) Session: Winter Day

Evaluation: Subject to the granting of an examination exemption by the College, the student will be evaluated on the basis of written papers.

POLB30Y Political Behaviour

Course description: An introduction to the analysis of Political Behaviour. This course will examine the empirical and theoretical efforts of political scientists to discern the social, cultural and personal foundations of political behaviour. Special consideration will be given to the problem of political ideology.

Instructor: T.B.A. Session: Winter Day

Teaching Method: Lectures and discussion.

Evaluation:

3 or 4 one-hour in-class tests.
3 short critical analyses of 5-8 pages.

POLB36Y Urban Politics

Course description: An examination of the politics of government in urban areas: the city as a unit of political analysis and action; urban planning; urban political institutions; problems in providing social services in cities; patterns of decision-making and political participation. Emphasis will be on urban politics in Canada and the United States. Students will be expected to write a paper on a problem in the politics of Metropolitan Toronto.

Instructor: T.J. Colton Session: Winter Day

Evaluation: 1 research paper, 1 term test, a final examination.

POLB38Y Politics of the Third World

Course description: The emphasis in this course will be upon the effects which various Western, especially North American, policies and practices have had upon development in the Third World. The policies and practices to be surveyed include those relating to foreign aid, the multi-national corporation, and Western security. Case material will be drawn from four countries in Latin America and Africa which illustrate a diversity of approaches to development: Cuba, Chile, Ghana and Keyna.

Instructor: R. Sandbrook Session: Winter Day

Evaluation: 2 book reports, 1 essay, and a final examination.

POLB39Y Politics and Society in Contemporary Japan

Course description: An analysis of politics and government in contemporary Japan. Special attention will be given to social and cultural explanations of political behaviour. The contributions made by government policy toward achieving "miraculous" economic growth will be considered.

Instructor: M.W. Donnelly Session: Winter Day

Teaching Method: Lectures and discussion.

Evaluation:

1 paper
2 exams
class participation

POLC04F-C05S Supervised Reading

Prerequisite: One B-level course in Political Science; permission of instructor

Course description: Advanced reading programme in special topics.

Instructors: Staff Session: Winter Day

Evaluation: One or more research essays.

POLC06Y Comparative Communism

Prerequisite: One B-level course in Political Science

Course description: An analysis of society and politics in a variety of countries currently governed by Marxist-Leninist parties.

Instructor: T.J. Colton Session: Winter Day

Evaluation: a combination of short reports and a final examination.

POLC14S Multinational Corporations and Underdevelopment

Prerequisites: One Social Science course dealing with the third world

Course description: This course will assess the impact of these large, Western-based firms upon the politics and economies of selected countries in Africa and Latin America. Particular attention will be placed upon the strategies, both in operation and in prospect, to control the firms and extract the maximum benefits from their operations for the poor. There will be case studies of multinational firms engaged in both primary production and manufacturing in underdeveloped countries.

Instructor: R. Sandbrook Session: Winter Day

Evaluation: seminar presentation, an essay and a final examination.

POLC15Y Canadian Problems in Comparative Perspective

Prerequisite: One of: POLA01,A03,B26,B34.

Course description: An analysis of some of the major issues in contemporary Canadian politics in terms of the way similar problems are handled in other western developed nations.

Instructor: J. Esberey Session: Summer day & Winter Day

Contents: Topics covered will include - political leadership - its selection and control; political accommodation in segmented societies; and one of: control of foreign ownership, regionalism, financial problems in a federal state, state control of industry and development, secrecy, electoral systems, ideological parties, opposition, political role of trade unions, protection of civil rights, problems of nationalism.

Teaching method: a weekly two-hour lecture seminar.

Evaluation: A combination of examinations, essays and class discussion. Specific details to be settled at first class meeting.

Additional Note: Active participation in class discussion and regular preparatory reading for seminars is essential.

Courses Not Offered 1978-79

POLA03Y Introduction to Comparative Politics
POLB02F/S Canadian Political Parties
POLB17Y Chinese Political System
POLB18Y Comparative Politics of Western Europe
POLB32F/S Canadian Constitutional Law
Prerequisite: POLA01
POLB33Y Politics and Government in India
POLB34F/S Intergovernmental Relations in the European Economic Community
POLB35Y Public Policies in Canada
POLB37F/S Government and Politics in Ontario
POLB40Y Canadian Foreign Policy
POLB42Y American Foreign Policy
POLC01F/S Selected Topics in Political Philosophy
Prerequisite: One B-level course normally in political philosophy.
POLC02F/S Selected Topics in Political Philosophy
Prerequisite: One B-level course normally in political philosophy
POLC08Y Comparative Foreign Policy
Prerequisite: One B-level course in Political Science
POLC11F/S The Psychology of International Relations
Prerequisite: POLB24 or POLB10
POLC12F/S Topics in Political Leadership
Prerequisites: POLB24 or POLA01 or POLA03 or POLB18 or POLB26
POLC13F/S Political Economy of Third World Urbanization

Psychology

Psychology is that branch of science which seeks to understand behavior and experience. Why humans and infrahumans act as they do is a puzzle which has always challenged mankind. Philosophers, artists, novelists, theologians and others have sought the answer through reason and intuition. But the methods of scientific enquiry can also be applied to an understanding of behavior.

The areas of interest which Psychology encompasses include: how organisms perceive their environments; how they learn and adapt; how they change over their lifetimes; how they choose among alternate courses of action; how they respond to stress and conflict; how the presence of other organisms in social settings influences their behavior; how their behavior relates to physiological functions; and how individuals differ from each other. The course offerings in Psychology consider how psychologists pursue enquiries into these areas and what knowledge they have gained.

Students interested in Psychology and planning to enter teaching or research professions should consider following the Major Programme in Psychology. Students who are interested in proceeding to the graduate level in Psychology should aim for a well-rounded undergraduate programme rather than narrow specialization in the area which is of immediate interest. The experience which is provided by the Thesis (C98Y) is of particular value to prospective graduate students.

It will often be appropriate to include as well courses in other disciplines, such as Anthropology, Biology, Computer Science, Linguistics, Mathematics, Natural Science, Philosophy, and Sociology. The following courses merit special attention:

ANTA01Y	Introduction to Anthropology
ANTB17S	Complex Societies
ANTB18Y	Cultural Evolution
ANTB22Y	Primate Behaviour
BIOA03Y	Introductory Biology
BIOB05Y	Genetics
BIOB11Y	Animal Populations and Evolution
BIOB12Y	Fundamentals of Ecology
BIOB17Y	General and Comparative Physiology
CSCA56F	Computer Programming
CSCA66S	Programming Applications
JLPB55F	Psycholinguistics
LINA01Y	General Linguistics
LINA04S	Introduction to Language
MATA22Y	Techniques of Calculus
NSCA01Y	Introduction to Natural Science: Physical Science
NSCA02Y	Introduction to Natural Science: The Biological Sciences
PHLA01Y	Fundamental Questions of Philosophy
PHLB20S	Belief, Knowledge and Truth
PHLB70F	Philosophy of Science
PHLB81S	Theories of Mind
SOCA01Y	Introduction to Sociology
SOCB02Y	Structure of Interpersonal Relations
SOCB07Y	Small Groups
SOCB18Y	Sociology of Deviant Behaviour

Members of staff are available for consultation in the planning of your programme in Psychology.

MAJOR PROGRAMME IN PSYCHOLOGY

This programme is taken as part of the 20-course degree programme.

Supervisor of Studies: J. N. Bassili

Nine full-course equivalents in Psychology including:

(1) PSYA01 or (A02)

(2) PSYB07

(3) At least one full-course equivalent from among PSYB09, B11, B40, B41, B52, B62.

(4) At least one additional full-course equivalent from the B-level 10-, 20- and/or 30-series.

(5) At least one additional full-course equivalent from the B-level 40-, 60- and/or 70- series.

(6) At least one additional full-course equivalent from the B-50 series.

(7) At least two full-course equivalents at the C-level. Not more than one full course equivalent selected from C90, C93, and C98 may be offered in satisfaction of this requirement. All 400-level courses on the St. George campus are considered to be at the C-level. Only some 300-level courses are treated as C-level courses; the student is advised to check the table of course equivalents in Psychology.

PSYA01Y Introduction to Psychology

Exclusion: (PSYA02)

Course description: The basic principles and methods of contemporary Psychology, emphasizing their contribution to an understanding of how organisms, both human and infrahuman, perceive their environments, how their behaviour is modified by experience, and how their activities are instigated, sustained, and directed.

Instructors: B. Richardson
D. Klein

Session: Summer Evening

Content: The physiological basis of behavior, particularly the functioning of the nervous system; learning, and the importance of past experience in behavior; perceiving, thinking and reasoning; intelligence; language; motivation and emotion; social behavior; personality, and abnormalities of behavior and experience.

Teaching Method: Two three-hour lectures per week. Lectures include discussion, demonstrations, films and laboratory exercises (TBA).

Bibliography: One comprehensive text and one book of relevant readings. The titles for Summer, 1978 have not yet been selected.

Evaluation: There will be two term tests during the course (45%); a final examination (40%); laboratory reports (15%).

PSYA01Y Introduction to Psychology

Exclusion: (PSYA02)

Course description: The basic principles and methods of contemporary Psychology, emphasizing their contribution to an understanding of how organisms, both human and infrahuman, perceive their environments, how their behaviour is modified by experience, and how their activities are instigated, sustained, and directed.

Instructors: M.C. Smith; the Faculty

Session: Winter Day
Winter Evening

Content: The physiological basis of behavior, particularly the functioning of the nervous system; learning and the importance of past experience in behavior; perceiving, thinking, and reasoning; intelligence; language; motivation and emotion; social behavior; personality, and abnormalities of behavior and experience.

Teaching Method: Three lecture hours per week. In addition, students will complete four laboratory exercises in the course of the year, each requiring four hours of lab attendance on dates to be scheduled early in the session.

Bibliography: A text for 1978 has not yet been selected. In addition, a book of readings to supplement the text is typically employed.

Evaluation: There will be three term tests in class hours during the year (45%) and a three-hour final examination (40%). Three laboratory reports will be submitted, contributing the remaining 15% of the final grade.

PSYB07S Data Analysis in Psychology

Exclusion: MATB52 (ECOA02), ECOB11, GGRB02, SOCB01

Course description: Psychologists, like other scientists, arrive at general principles on the basis of limited evidence. The behavior of man is explained by observing the behavior of men. How is the psychologist able to make the leap from the specific data of his experiments to the generalization he may wish to affirm? The course examines the role of statistical decision-making procedures in drawing reasonable inferences from research findings. It details the mechanics of a variety of commonly used data analysis procedures and explores their underlying logic. A working knowledge of elementary algebra (to the solution of simple linear equations in one unknown) is assumed.

Instructor: T.B.A.

Session: Summer Day

Additional Comments: Students concerned about the sufficiency of their background in mathematics should consult H.M. Walker's Mathematics Essential for Elementary Statistics (available in the College library) for a detailed survey of the skills required.

Teaching Method: Lectures, tutorials, and homework assignments.

Evaluation: Homework and two exams.

PSYB07F Data Analysis in Psychology

Exclusion: MATB52 (ECOA02), ECOB11, GGRB02, SOCB01

Course description: Psychologists, like other scientists, arrive at general principles on the basis of limited evidence. The behavior of man is explained by observing the behavior of men. How is the psychologist able to make the leap from the specific data of his experiments to the generalization he may wish to affirm? The course examines the role of statistical decision-making procedures in drawing reasonable inferences from research findings. It details the mechanics of a variety of commonly used data analysis procedures and explores their underlying logic. A working knowledge of elementary algebra (to the solution of simple linear equations in one unknown) is assumed.

Instructor: R. Brown

Session: Winter Day

Content: Courses in data analysis typically cover the same topic areas identification, classification, and reduction of the data are generally the precursors to analysis and represent the descriptive part of the course. Probability and chance is the key to inferential statistics. Hypothesis testing, of course, is embedded in the parametric and nonparametric tests discussed.

Teaching method: Four hours of lecture (with in-class problem solving) and one hour of tutorial per week.

Evaluation: The final course grade is based on problem sets and brief quizzes (20%), two term tests (20% each), and a final examination (40%)

PSYB08S Experimental Design in Psychology

Exclusion: MATC52
Prerequisite: PSYB07 or MATB52

Course description: The course extends the range of techniques examined in PSYB07. Procedures are considered which permit the analysis and interpretation of data from complex experiments involving the simultaneous manipulation of several independent variables. The course is highly recommended for all students contemplating supervised individual research in psychology.

Instructor: F. Klajner Session: Winter Day

Content: The analysis of variance has played a central role in the design and interpretation of psychological research. The course focuses on this research tool providing the rationale and mechanics of its use.

Teaching method: Three hours of lecture and one hour of tutorial per week.

Evaluation: The final course grade is based on problem sets and brief quizzes (20%), two term tests (20% each), and a final examination (40%)

PSYB09F General Experimental Psychology

Prerequisite: PSYA01 or (PSYA02) or BIOA03

Course Description: The experimental technique of Psychology as applied to problems in learning, motivation and perception in infrahuman and human organisms. This course emphasizes research methods of Psychology and is intended to provide a broad foundation of basic information and research techniques required in specialized laboratory courses and advanced courses.

Instructor: G. B. Biederman Session: Winter Day

Content: Provides introduction to methodological design problems in Psychology in an empirical rather than statistical framework; i.e., how did you find out, rather than, what did you find?

Other Recommended Courses: Prior or concurrent enrolment in PSYB07

Evaluation: Normal lectures will be given, but a "workshop" context will be employed. Course will be unitized and following each unit a practice (non-graded) exam will be given with answers fully analyzed and "graded" by instructor and/or student. Practice exams may be retaken as desired. A comprehensive final exam will represent 40% of total course grade. There will be laboratory units associated with the content units. Handouts will be given at the beginning of each laboratory and the student will be expected to answer questions posed. Laboratory assignments will gradually increase in difficulty over the term. Development of laboratory report writing will be facilitated by requiring that certain sections of a standard laboratory report be completed in any given unit. The laboratory assignments will comprise 60% of the total grade.

PSYB10F/S Introduction to Social Psychology

Prerequisite: PSYA01 or (PSYA02)

Course description: Social Psychology focuses on the problem of how human behavior is influenced by others. The course is designed to demonstrate some phenomena of social behavior and to present theories and research evidence relating to these phenomena.

Instructor: John Bassili Session: Winter Evening (F)
Winter Day (S)

Content: The course begins by considering processes of social influence (e.g., obedience, conformity, and attitude change), theory, and theories of aggression. Processes of self-perception (e.g., the perception of one's own emotions), and processes of social perception are presented in the latter portions of the course.

Teaching Method: Lectures and tutorials

Evaluation: 3 one-hour lecture examinations.

PSYB11F Social Psychology Laboratory

Prerequisite: PSYB07; PSYB10

Course description: This course will consider in depth the research methods used to gather data discussed in PSYB10 and PSYB12. Students will gain experience with various methodological approaches employed in social psychology. Limited enrolment: 25.

Instructor: Karen Dion Session: Winter Day

Content: Students will be introduced to conceptual and practical issues concerning research designs relevant to Social Psychology. In addition to conducting experiments using such designs, students will be exposed to arguments relating to the relative merits of different approaches (e.g., experimental vs. correlational evidence).

Teaching Method: Lectures-discussions and laboratory work.

Evaluation: Independent project; one class exam; one laboratory report.

PSYB12S Advanced Social Psychology

Prerequisite: PSYB10

Course description: Paradigm change in social psychology; the role of descriptive and experimental methodologies; attribution theory; emotion theory; subjective and objective judgmental processes; judgment of emotional expressions, individual differences in social psychological processes.

Instructor: G. Cupchik Session: Winter Evening

Content: Beginning with a discussion of appropriate methodologies for the investigation of social phenomena, the course considers the dominant viewpoints in contemporary social psychology. The discussion then turns to the specific and yet related problems of attribution theory, internal and external control, coping with stress, subjective and objective judgments and the judgment of emotional states.

Objectives: To attempt a critical analysis of developments in social psychology through an examination of the theories, methods and results of recent research.

Evaluation: Term multiple choice, final multiple choice.

PSYB20S Developmental Psychology

Prerequisite: PSYA01 or (PSYA02)

Course description: This course is divided into two parts. The first examines broad frameworks which have been offered to explain human development, e.g. Piaget's cognitive theory, social learning view. The second part focuses on selected research areas which deal with different aspects of social and cognitive development in the infant and child; e.g. social attachment, intelligence, sex-roles and achievement.

Instructor: R. J. Brown Session: Summer Day

Content: The course focuses on developmental processes during infancy and childhood. Material covered will be drawn from both cognitive and social developmental perspectives.

Teaching Method: Four lecture hours plus two tutorials per week.

Evaluation: Information will be available during the summer registration period.

PSYB20F Developmental Psychology

Prerequisite: PSYA01 or (PSYA02)

Course description: This course is divided into two parts. The first examines broad frameworks which have been offered to explain human development, e.g. Piaget's cognitive theory, social learning view. The second part focuses on selected research areas which deal with different aspects of social and cognitive development in the infant and child; e.g. social attachment, intelligence, sex-roles and achievement.

Instructor: Karen Dion Session: Winter Day

Content: The course focuses on developmental processes during infancy and childhood. Material covered will be drawn from both cognitive and social developmental perspectives.

Teaching Method: Two lecture hours plus one tutorial per week. The purpose of the third hour is to provide an opportunity for students to discuss lecture and reading material in smaller class sections.

Evaluation: Information will be available in the fall.

PSYB20S Developmental Psychology

Prerequisite: PSYA01 or (PSYA02)

Course description: This course is divided into two parts. The first examines broad frameworks which have been offered to explain human development, e.g. Piaget's cognitive theory, social learning view. The second part focuses on selected research areas which deal with different aspects of social and cognitive development in the infant and child; e.g. social attachment, intelligence, sex-roles and achievement.

Instructor: T.B.A. Session: Winter Evening

Content: The course focuses on developmental processes during infancy and childhood. Material covered will be drawn from both cognitive and social developmental perspectives.

Teaching Method: Two lecture hours plus one tutorial per week. The purpose of the third hour is to provide an opportunity for students to discuss lecture and reading material in smaller class sections.

Evaluation: Information will be available in the fall.

PSYB30S Personality

Prerequisite: PSYA01 or (PSYA02)

Course description: How psychologists study the individual and his behavior. Examples of both the traditional broad theories of behavior (e.g. Freud's psychoanalytic theory) and the more contemporary research-oriented "miniature theories" will be discussed. The specific research areas which are covered vary somewhat from year to year. Achievement motivation, manifest anxiety, attraction, intelligence, computer models of personality, curiosity and exploratory behavior, personality assessment and non-verbal behavior are some of the topics which may be included in any given year.

Instructor: A. Kukla Session: Winter Day

Objectives: To obtain an understanding of the various ways in which the human organism has been conceived by scientific psychologists, and the kinds of research questions and methods which each conception has generated.

Content: Specific topics vary from year to year.

Teaching Method: Three hours lecture weekly.

Bibliography: Readings consist mainly of original research reports from scholarly journals.

Evaluation: Two essay examinations each of which counts 50% of the final grade.

PSYB32F/S Abnormal Psychology

Prerequisite: PSYA01 or (PSYA02)

Course description: A critical examination of psychoanalytic, S-R, cognitive-interpersonal, biological and phenomenological views concerning the cause and treatment of abnormal behavior. The conceptual problem of defining abnormality and categorizing its varieties will be emphasized.

Instructor: J. Pauker Session: Winter Evening both terms

Content: Definition and identification of abnormality, historical-cultural influences on attitudes, practices, theories, and research; a variety of past and current viewpoints in hypothesis, model and theory development, including genetic physiological, stress, medical-psychiatric, psychoanalytic, social-learning, and sociological; classification systems, including problems in their reliability and validity; description of a variety of neuroses, psychoses, and other behavioral disorders of adults and children, including cognitive, emotional, sensory-perceptual psychomotor, and motor aspects; approaches, methods of investigation, and findings in psychological, psychophysiological, genetics, and epidemiological research; management, control, and modification of abnormal behavior, within and outside institutions, including pharmacological, psychotherapeutic, learning-based, and social engineering approaches.

Teaching Method: Mainly lecture, with some use of audiotapes, videotapes, and film.

Evaluation: Three examinations, multiple-choice.

PSYB40F Learning

Prerequisite: PSYA01 or (PSYA02); PSYB09; PSYB07 or MATB52

Course description: Critical review of basic theories and issues in the psychology of learning, with selected laboratory exercises in animal learning. An introduction to the problems and techniques in the study of the acquisition of behaviour. Topics include: reinforcement, motivation, classical and instrumental conditioning principles, theory construction.

Instructor: G. B. Biederman Session: Winter Day

Content: Provides theoretical and empirical experience relevant to basic concepts and current problems in learning and motivation.

Evaluation: Same method as in PSY B09F.

PSYB45F Behavior Modification: Origins and Applications

Prerequisite: PSYA01

Course description: A survey of attempts to understand and regulate human behavior in non-laboratory settings founded on principles derived from the learning and conditioning laboratory. A critical analysis of current applications and systems of behavior modification and control.

Instructor: F. Klajner Session: Winter Evening

Content: Specific content TBA.

Teaching Method: Three hours of lecture per week.

Evaluation: TBA.

PSYB50F Sensation and Perception

Prerequisite: PSYA01 or (PSYA02)

Course description: An investigation into the processes by which we gain information about the world around us, and the laws which govern the way in which that information is used to construct our perceptions.

Instructor: J. E. Foley Session: Winter Evening

Content: Stimuli for the human senses, especially light and sound; receptors and sensory pathways with emphasis on vision; sensitivity; colour and tone; spatial and temporal resolution; contrast; perception of space and movement; perception of pattern and form.

Teaching Method: Lectures, for which preparatory reading will be important, and classroom demonstrations of many phenomena under discussion.

Evaluation: A final examination and term assignments including tests and some short paper(s) or report(s).

PSYB52S Human Information Processing

Prerequisites: PSYB50, PSYB07 or MATB52; PSYB09

Course description: Recently Psychologists who study human perception and behavior have begun to lay great emphasis on the way in which the human being actively and constructively processes information rather than merely responding passively to stimulation. The course introduces these ideas in their application to perception, memory, cognition, with special emphasis on quantitative studies. Selected laboratory exercises.

Instructor: M. C. Smith Session: Winter Day

Objectives: This course is designed to introduce students to one approach to understanding human behavior - an approach whereby the behavior is analyzed into a series of discrete stages or processes, each of which could be influenced by a variety of factors. The way in which attention and method of processing act at each stage is considered.

Teaching Method: This course meets 3 hours per week. Every other week there is only one hour of lecture and a 2-hour lab, giving a total of 6 labs per session.

Evaluation: There are two term tests, each of which comprises 25% of the total grade. The remaining 50% of the grade is based upon the written lab reports.

PSYB57S Human Learning and Memory

Prerequisite: PSYA01 or (PSYA02)

Course description: Memory is discussed in an information-processing framework, where the mind is viewed as actively receiving, modifying, storing, and retrieving information. The course attempts to provide a broad review of the current state of theory and research.

Instructor: T.B.A. Session: Winter Day

Teaching Method: Three lecture hours per week.

Evaluation: T.B.A.

PSYB60F Brain Mechanisms and Behaviour: I

Prerequisite: PSYA01 or (PSYA02), Psy B65 is recommended for students with no Biology background.

Course description: Students with prior credit for PSYB65 may take PSYB60 for credit. This course and PSYB61 deal with the relationship between behaviour and structure and function of the nervous system. Topics covered in PSYB60 include: neuroanatomy, structure and function of neurons, neural mechanisms and movement, and the physiological basis of perception.

Instructor: T. Petit Session: Summer Evening Winter Day

Objectives: To give the student a firm grasp of the structure and function of the nervous system and its role in the behavior of an organism.

Course Content: Neuroanatomy, structure and function of neurons, neuropharmacology, and neural mechanisms of sensation and movement.

Teaching Method: Two hours lecture and one hour neuroanatomy lab or tutorial per week.In Summer, 4 hours lecture, 2 hours labs or tutorials a week.

Evaluation: Two term examinations on the lecture and book each worth 40%, and one exam on neuroanatomy, worth 20% of the final grade.

PSYB61S Brain Mechanisms and Behaviour: II
Physiology of Motivation and Learning

Prerequisite: PSYB60

Course description: This is a continuation of PSYB60. Topics covered under the category of Motivation will include physiological basis of eating, drinking and sexual behavior; sleep; and the neural correlates of reward. Topics covered under Learning include: physiological processes and memory, structural basis of learning and memory, biochemistry and memory.

Instructor: R. Brown Session: Winter Day

Content: The course is designed to provide students with an understanding of the physiological substrates underlying behaviour. Discussions will center around current topics in physiological psychology and will draw on recent research to support or challenge current theories in motivation and learning. In motivation, the general areas of feeding, sexual behaviour, and reinforcement will be discussed from neurological and neuropharmalogical perspectives. Neurophysiological basis of learning and memory will be dealt with and then integrated with motivational models to provide a basis for understanding brain function in behaviour.

Teaching method: Three hours of lecture per week with occasional discussions.

Evaluation: The final course grade is based on term assignments (30%), a mid-term examination (25%), and a comprehensive final examination (45%).

PSYB62Y Research in Physiological Psychology

Prerequisites: PSYA01 or (PSYA02); PSYB07 or MATB52; PSYB09 or a Biology course; permission of instructor

Corequisites: PSYB60; PSYB61 and PSYB08 are recommended

Course description: Students learn how to use a variety of techniques used in investigations of nervous system function. The course is intended for students intending to pursue a major degree in either psychology or biology and who are particularly interested in the neurosciences.

Instructor: N. W. Milgram Session: Winter Day

Content: The course starts out with a dissection of a sheep brain. Subsequently, the procedures covered include: (1) histology (preparing, cutting and staining neural tissue); (2) lesioning specific regions of the central nervous system; (3) chemical stimulation of the brain; (4) electrical stimulation of the brain; (5) programming relay circuitry; (6) electrophysiological recording techniques.

Teaching Method: Two hours of lectures a week; 3 hours of scheduled laboratory work and, in addition, students generally spend several hours of their own free time working in the student laboratory.

Evaluation: This extremely difficult course involves a series of five laboratory projects, 3 mid-term examinations and one final examination.

PSYB65S Biological Foundations of Behaviour

Exclusion: PSYB60

Course description: Students with prior credit for PSYB60 may not take PSYB65 for credit. Examines the structural and physiological basis of behaviour. It is geared towards non-biologically oriented students.

Instructor: T. Petit Session: Winter Evening

Content: Structure and function of the nervous system are covered sufficiently to allow the student an understanding of the basis of human behavior. Once these basic fundamentals are covered the course then focuses on the following: Disorders of the central nervous system (multiple sclerosis, epilepsy, organic brain damage, strokes, senility, mental deficiency and speech disorders). Drugs of use and abuse (stimulants, depressants, and halucinogens). The biological basis for violence, schizophrenia, depression, psychosis and anxiety.

Teaching Method: 3 hours lecture weekly.

Evaluation: Two exams: mid-term and comprehensive final, 50% each.

PSYB70S Comparative Psychology

Prerequisite: PSYA01 or (PSYA02)

Course description: Comparison of psychological and ethological approaches to the problems of the structure, causation, ontogeny, and phylogeny of behaviour.

Instructor: N. W. Milgram Session: Winter Day

Content: The course starts out with an historical survey of comparative psychology. The ethological (phylogenetic) programme is then discussed and analyzed. Some discussion of genetics, behavioral genetics and evolutionary theory is included in this aspect of the course. The behavioristic (ontogenetic) perspective is the next topic discussed. This is, in many ways, the antithesis of the ethological perspective. The final topic considered is some contemporary developments in animal learning.

Evaluation: Will be available before the beginning of term.

PSYC15F Current Topics in Social Psychology

Prerequisites: PSYB12 or (PSYB10 and permission of Instructor)

Course Description: An intensive examination of selected issues and research problems in social psychology. Limited enrolment: 25.

Instructor: Valerie Hans Session: Summer Evening

Content: The course will examine the ways in which psychological research can be used to answer questions of applied significance in the criminal justice system. Topics to be addressed include: theoretical and methodological issues in research on the criminal justice system, social psychological aspects of courtroom procedure, and factors affecting decision making about bail, judge and jury verdicts, sentencing, and parole.

Teaching Method: Lectures, seminars

Evaluation: T.B.A.

PSYC15S Current Topics in Social Psychology

Prerequisites: PSYB12 or (PSYB10 and permission of instructor)

Course description: An intensive examination of selected issues and research problems in social psychology. Limited enrolment: 25.

Instructor: John Bassili Session: Winter Day

Content: The course will review the development of important theoretical and empirical approaches to the study of social perception. These will include the "New Look" approach, impression formation, attribution theory, and the perception of emotions and of social interaction.

Teaching Method: Lectures and discussions

Evaluation: Two 1-hour examinations; 1 term paper.

PSYC20F Current Topics in Developmental Psychology

Prerequisites: PSYB20

Course description: An intensive examination of selected issues and research problems in developmental psychology. Limited enrolment: 25.

Instructor: TBA. Session: Winter Day

Content: The specific content will vary from year to year with the interests of both instructor and students. For 1978-79 TBA.

Teaching Method: Lectures, discussions, and oral presentations by students.

Evaluation: T.B.A.

PSYC22S Socialization Processes

Prerequisites: PSYB10, PSYB20

Course description: Covers the processes by which an individual becomes a member of a particular social system (or systems). The course examines both the content of socialization (e.g. development of specific social behaviors) and the context in which it occurs (e.g. family, peer group, etc.). Material will be drawn from both Social and Developmental Psychology. Limited enrolment: 25.

Instructor: Karen Dion Session: Winter Day

Evaluation: Will be available before the beginning of term.

PSYC30S Current Topics in Personality and Motivation

Prerequisite: PSYB30

Course Description: An intensive examination of selected issues and research problems in the areas of personality and motivation. Limited enrolment: 25.

Instructor: D. Stewart Session: Summer Evening

Content: The course will focus on psychoanalytic theory as it was originally developed by Freud and as it has been modified by successive psychoanalytic theorists. The content of the theory will be explored in considerable detail. In addition, the theory will be examined in relation to the ideas of significant personality theorists not within the Freudian tradition. The attempt will be made to evaluate the contributions of psychoanalytic theory to contemporary theory and practice in the fields of personality and personality disorder.

Teaching Method: Two 2-hour seminars per week. Though students will not be required to make formal presentations they will be expected to enter into class discussions.

Evaluation: Two examinations (35% each) and one essay (30%).

PSYC40S Current Topics in Animal Learning

Exclusion: PSYB41
Prerequisite: PSYB40

Course description: A review of recent developments in animal learning

Instructor: G.B. Biederman Session: Winter Day

Content: This course will examine recent developments in animal learning with emphasis on evidence from operant conditioning. We will consider such topics as stimulus control, the role of classicial conditioning in operant behavior, methodological problems in interpreting evidence from operant conditioning experiments, and the role of aversive stimuli in operant conditioning. Laboratory experience will be provided.

Evaluation: A method of evaluation similar to PSYB09 and PSYB40 will be used, but in addition, seminar presentations will serve as another source from which to evaluate performance. Some laboratory sessions will be arranged as necessary. The grade will be based as follows: 40% final exam, 30% seminar presentation, 30% laboratory assignment.

PSYC53F Current Topics in Human Information Processing

Prerequisites: A PSYB50-series course other than PSYB50F; permission of instructor

Course Description: An intensive examination of selected issues and research problems in human information processing.

Instructor: T.B.A. Session: Winter Day

Content: T.B.A.

Teaching Method: Lectures, discussions and oral presentations by students.

Evaluation: T.B.A.

PSYC56F Computers in Psychology

Prerequisites: PSYB52; courses in computer programming would be useful.

Course description: An examination of the means by which psychologists use computers to test theories of information processing and to simulate humen behaviour in the areas of memory, language comprehension, problem solving, and belief systems. Students read both introductory materials and theoretical papers and also learn simulation programming techniques by working with a laboratory computer. Limited enrolment: 20.

Instructor: T.B.A. Session: Winter Day

Content: T.B.A.

Teaching Method: T.B.A.

Evaluation: T.B.A.

PSYC60S Current Topics in Comparative and Physiological Psychology

Prerequisite: PSYB60; permission of instructor

Course description: An intensive examination of selected issues and research problems in comparative and physiological psychology.

Instructor: T. Petit Session: Winter Day

Content: The course covers the development of the nervous system and correlated behavior from conception to death. The major emphasis will be on prenatal brain development, and factors governing its normal or abnormal growth. The other end of the developmental spectrum, the aging brain will also be considered, including the biological problems and theories of aging on the brain. Students will be required to work 2-3 hrs. per week in a practicum situation, working with either mentally retarded, autistic, or hyperactive children, with aged or senile adults, or with experimental laboratory animals.

Teaching Method: There will be a 1 hour lecture per week throughout the term. There will be a final exam on the lectures and any reading material, worth 40% of thefinal mark. Each student will be required to write one term paper on a topic of choice in Developmental Psychobiology, and assessing their practicum experience, worth 40% of the final mark. The other 20% of the mark will be from an evaluation of the students performance in class and particularly in the practicum setting.

PSYC80S Philosophy and Psychology

Prerequisites: Three B-level half courses in Psychology and one B-level half-course in Philosophy

Course Description: An analysis of selected philosophical issues which concern the discipline of Psychology. Discussed will be such topics as: Behaviorism versus Phenomenology; the mind-body problem; free-will versus determinism; possible differences between Psychology and traditional scientific disciplines. Limited enrolment: 20

Instructor: A. Kukla Session: Winter Evening

Content: This course is intended to develop sophistication in dealing with developmental-philosophical issues which arise in the practice of psychology. The specific issues discussed vary from year to year.

Teaching Method: Two hours of seminar weekly. Students will report on and critically evaluate recent papers in the philosophy of psychology.

Evaluation: Has commonly been based on two essay examinations (40% of final grade each) and seminar presentations (20%).

PSYC85F History of Psychology

Exclusion: (PSYC35)

Prerequisites: PSYA01 or (PSYA02); two B-level half-courses in Psychology

Course description: Paradigm change in the history of psychology; animism; Greek psychology; the modern era, Descartes, Leibnitz, the English Empiricists; Nineteenth Century developments; the emergence of descriptive and positivist methodologies; Twentieth Century approaches; systems theory; functionalism, structuralism, behaviourism, phenomenology. Limited enrolment: 35.

Instructor: G. Cupchik Session: Winter Day

Content: The course examines the diverse contributions of the Greek philosophers which established the foundation of Western thought. The course then turns to the conceptual, methodological and factual developments in both continental and English science and philosophy from the 14th to the 19th Centuries. The appearance of psychology in its modern form in the second half of the Nineteenth Centure is discussed and a critical analysis is provided of the various modern schools including systems theory, functionalism, structuralism, behaviorism and phenomenology.

Evaluation: Mid-term exam, final essay exam, 15-page term paper.

PSYC90F/S/H Supervised Study in Psychology

Prerequisites: Three full-course equivalents in Psychology; permission of instructor

Course description: A reading or research project.

Instructor: Supervision by a faculty member Session: Winter Day
Winter Evening

Content: These courses provide an opportunity to investigate an area in depth after completing basic coverage in regularly scheduled courses. They are not intended as substitutes for advanced courses in a field where these are available. The student must demonstrate that his/her background is adequate for the project proposed and should present a clear rationale to prospective supervisors. Frequent consultation with the supervisor is necessary and extensive library research and/or data collection will be required. Such a project will normally culminate in a written submission but other bases of evaluation may also be determined by the supervisor. There is no final examination.

PSYC98Y Thesis in Psychology

Prerequisites: Satisfactory completion of 15 full-course equivalents in any discipline but including PSYB07, one laboratory half-course in Psychology and two additional full-course equivalents in Psychology; consent of a faculty member in Psychology to serve as research supervisor.
Corequisite: PSYB08 recommended

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

Coordinator: M. C. Smith Session: Winter Day

Students will meet as a group with the coordinator as well as individually with the supervisor. The final grade will depend on all aspects of the student's performance including the quality of the written thesis which will be read by both supervisor and coordinator.

There is no final examination.

Courses not offered in 1978-79

PSYB33 The Measurement of Psychological Attributes

Prerequisites: PSYB07 or MATB52; one additional half course in Psychology at the B-level.

PSYB51 Perceiving and Knowing

Prerequisites: A B-level course in psychology (or PSYA01 or PSYA02 and permission of instructor); PSYB50, PSYB52, FARA70, PHLB03 are recommended.

PSYB56 Man and Machines

Prerequisites: PSYA01 or (PSYA02); quantitative skills such as are required in PSYB07, or PSYB09 are an advantage.

PSYC34 Phenomenological Psychology

Prerequisite: Three B-level half-courses in Psychology

PSYC52 Structures in Psychology

Prerequisites: PSYB07 or MATB52 or PSYB09; PSYB20 or PSYB51; permission of instructor.

Russian

Discipline Representative: C.V. Ponomareff

The Russian discipline offers a selection of courses in Russian language and literature. Both language and literature courses may be combined in a number of ways, where prerequisite requirements have been satisfied. (See also under Modern Languages and Literatures and Russian or Related Studies in the Programmes section of the College Calendar). All Russian literature courses, with the exception of RUSC01Y, C02F, C03S, C04H, C05Y, are taught in translation and are open to non-specialists as well.

MAJOR PROGRAMME IN RUSSIAN AND RELATED STUDIES

Supervisor of Studies: C.V. Ponomareff

This area studies programme is designed for students interested in Russia and East Europe. In a world in which Russia and the socialist countries of Eastern Europe play such an important role, a programme in Russian and related studies can do much to promote a better understanding between East and West, in academic, governmental, industrial, journalistic and other fields.

The programme is aimed at two different groups of students: first, those whose main interest is a detailed knowledge of the area with a view towards concentrating in Russian Language and Literature or Russian and Soviet History, Political Science or Economics: second, those interested in a general knowledge of the area as a complement to some other field of study.

Requirements:

Students intending to major in the area must complete a total of ten courses: two consecutive courses in Russian language, four core courses, and four optional courses. Programmes must be approved by a Board of Study in the term in which the fifth course is completed. The Board of Study is to consist of at least one faculty representative from each of the disciplines teaching within the programme:

Russian	-	C.V. Ponomareff
History	-	E.W. Dowler
Political Science	-	T.J. Colton, S.G. Solomon
Economics	-	J. Cohen
Philosophy	-	W. C. Graham
Humanities	-	K. Theil

Courses:

Languages: Two consecutive courses in Russian language are offered: (RUSA10Y, RUSB02Y).

Core Courses:

Russian	One full course equivalent from:	
	B11Y	The Nineteenth Century Russian Novel
	B21Y	The Twentieth Century Russian Novel
	B23Y	Soviet Russian Underground Literature from the 1920's to the Present
	C01Y	Twentieth Century Russian Poetry
History	B07Y	Russia from the Thirteenth Century to the Present
	C78Y	The Russian Intelligentsia
Political Science	B23Y	Politics and Society in the U.S.S.R.
Economics	B68F/S	Comparative Economic Systems

Optional Courses:

Russian	A01Y	Introduction to Russian Culture & Literature
	B24F	The Russian Symbolist Novel
History	B18Y	Europe under the Enlightened Despots
Political Science	C06Y	Comparative Communism
Economics	C07F/S	Economics of Karl Marx
Philosophy	B12F/S	Marx and Marxism
	B17F/S	Anarchism
Humanities	B02F	Disaster and the Literary Imagination
	B30Y	The Russian Revolution of 1917
	B31Y	Russian and English Nineteenth Century Fiction

RUSA01Y Introduction to Russian Culture and Literature

Course description: The course focusses on the origins and the rise of the Russian intelligentsia beginning in the eighteenth century and follows its progress into the twentieth.

Instructor: C.V. Ponomareff Session: Winter Day

Content: Some of the important cultural issues discussed are the relationship between a creative intelligentsia and the absolutist state, the cultural identity crisis in the nineteenth century, the impact of the Russian Symbolist Age on twentieth century Russia and the cultural reverberations in Russia of the Bolshevik revolution of 1917. Though music, painting and films are brought into the discussion, the main emphasis falls on poetry and literature in the context of Russian intellectual development.

Teaching Method: Lecture and discussion

Evaluation: Two minor papers, one final exam, class participation.

RUSA10B Introductory Russian)
RUSA11S Elementary Conversation) See Summer Language Institute

RUSA10Y Introductory Russian

Course description: Fundamentals of Russian Grammar, with emphasis on comprehension and reading, writing and conversation.

Instructor: Natalie Kosachov Session: Winter Day

Objectives: The course is designed to introduce the student to the Russian language: reading, writing, elementary grammar, basic comprehension and conversation. At the end of the year students should have an active vocabulary and knowledge of grammar to enable them to take part in simple conversation, and a passive vocabulary large enough to permit them to read and retell (orally and in writing) easy texts.

Content: Starting with the Cyrillic alphabet and familiarization of grammar: declensions, conjugations, aspectual system and word order. Equal emphasis is given to written and oral drills. In addition to structural oral work in laboratory and class, free conversation based on material read is encouraged.

Teaching Method: Four class hours, in addition to which the student is expected to spend one hour in the Language Laboratory.

Bibliography: Galina Stilman, L. Stilman, W.E. Harkins, Introductory Russian Grammar, Xerox College Publishing.

Evaluation: Tests, class performance and homework considered for grading; no final examination required.

RUSB02B Intermediate Russian)
RUSB03S Intermediate Conversation) See Summer Language Institute

RUSB02Y Intermediate Russian

Exclusion: RUSA11
Prerequisite: RUSA10Y or completion of Grade 13 Russian

Course description: Expanded study to increase ability in speaking, writing and reading Russian.

Instructor: Suzanne Whalen Session: Winter Day

Content: Study of Russian morphology, translation, composition, selected reading in the original, and conversation.

Teaching Method: Four hours a week divided into two intensive two hour sessions plus additional language laboratory practice.

Bibliography: Davis P.A. & Oprendek D.V. Making Progress in Russian, Xerox, 1973 Khavronina S. & Shiroshenskaya A. Russian in Exercises, Progress Khavronina S. Russian as we speak it, Progress, Selection of texts for reading chosen according to the particular interest of students.

Evaluation: A final examination accounts for about one third of the final mark. The term mark is based on tests, written and oral assignments, class and laboratory participation.

RUSB11Y The Nineteenth Century Russian Novel

Exclusion: HUMB31Y

Course description: Study of A. Pushkin's The Tales of Belkin, M. Lermontov's A Hero of Our Time, N. Gogol's Dead Souls, I. Goncharov's Oblomov, I. Turgenev's Fathers and Sons, F. Dostoevsky's Crime and Punishment, L. Tolstoy's Anna Karenina and N. Leskov's Cathedral Folk.

Instructor: C.V. Ponomareff Session: Winter Day

Teaching Method: Lecture and discussion

Evaluation: Two minor papers, one final exam, class participation.

RUSB23Y Soviet Russian Underground Literature from the 1920's to the Present

Course description: A study of the characteristics of Russian novels and short stories not published in the Soviet Union, as well as of other works published in heavily censored editions. Discussion of the reasons why this literature is unacceptable to the communist state. Focus will also fall on the dissident movement of the sixties and its legal and political implications. Authors dealt with are Zamyatin, Bulgakov, Pasternak, Tertz, Solzhenitsyn and others.

Instructor: C.V. Ponomareff Session: Winter Day

Teaching Method: Lecture and discussion

Evaluation: Two minor papers, one final exam, class participation.

RUSC02F Supervised Reading
C03S
C04H
C05Y

Prerequisite: RUSB02

Instructors: Staff Session: Winter Day

Content: To enable students in Russian studies to pursue independent projects.

Teaching Method: Informal two hour meetings every other week.

Evaluation:

Tutorial discussions.
1 minor paper on project.
1 major paper or equivalent (in RUSC05Y)
Interested students should contact Prof. C.V. Ponomareff.

Courses not offered in 1978-79:

RUSB21Y The Twentieth Century Russian Novel

RUSB24F The Russian Symbolist Novel

RUSC01Y Twentieth Century Russian Poetry
Prerequisite: RUSB02

Sociology

Assistant Chairperson: N. Howell

Sociology is the scientific study of interaction among people, the social relations which they establish, and the social groups which they form and which make up society. Sociology attempts to explain how society is ordered and how it functions, what accounts for social cohesion, social stratification, social mobility and social change, the consequences of co-operation, competition and conflict.

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

MAJOR PROGRAMME IN SOCIOLOGY

Supervisor of Studies: Professor John Alan Lee

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

(1) One course in research methods (e.g. SOCB01Y, Methods in Social Research)

(2) One course in Sociological Theory (e.g. SOCB03Y, History of Social Thought)

(3) At least two C-level courses

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

Pre-Social Work Studies

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

Urban Studies

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

SOCA01Y Introduction to Sociology

Course Description: 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, socialization, deviant behaviour, population, community, stratification, social institutions and social change.

Instructors: R. Beals (Summer Day)
D. Grafstein (L01)
J.A. Lee (L02)
M. Hammond (L30)

Sessions: Summer Day, Winter Day
Winter Evening

Teaching Method: L01 - 3 lectures weekly
L02 - 2 lectures and one tutorial weekly
Evening and summer sections combine lectures and tutorials.

Evaluation: A combination of class tests, short essay papers, field work assignments, and a final examination.

SOCB01Y Methods in Social Research

Prerequisite: One course in Sociology
Corequisite: SOCB06

Course Description: The course will be divided into three basic units. It will start with a critical overview of the logic and methods of social scientific research. Topics will include the logic of research, research design and causal analysis, and methods of data collection. Once the fundamentals have been covered, an effort will be made to teach students how to "read" and critically evaluate research reports. Several studies will be examined in detail, and then students will be given the opportunity to do their own evaluations. The final goal will be to provide you with some practical experience in doing research. Using data sets provided by the instructor, students will be taught how to interpret tables and to employ data to test hypotheses.

Instructor: S. Ungar Session: Winter Day

Teaching Method: Lectures, tutorials, laboratory sessions, and practical applications.

Evaluation: Methods Unit: a term exam (15%), and a Christmas exam (25%). Research Evaluation: evaluations of two articles, each worth 15%. Data analysis: two short research reports, the first worth 10%, the second 20%.

SOCB02Y Structure of Interpersonal Relations

Prerequisite: One course in Sociology

Course Description: The course will focus on the patterns of interaction and social influence in interpersonal behaviour. It begins with a consideration of labelling theory, with special attention given to stigmatization and the labelling of mental illness. Instead of treating mental illness as residing primarily in the individual, we will examine the role of other people in shaping or "altercasting" an actor's behaviour and the contingencies involved in discrediting an actor. The course will then analyze attribution theory, which considers how we explain both our own behaviour and the behaviour of other persons. This will be followed by an examination of exchange and impression management approaches to interaction. An attempt will be made to draw these various theories into a relatively comprehensive perspective which will subsequently be applied to other topics traditionally dealt with in social psychology. These topics include: attitude change, conformity, status and power relations in small groups, helping behaviour and aggression.

Instructor: S. Ungar Session: Winter Day

Teaching Method: Lectures and Labs

Evaluation: Mid-term exam - 20%, Final exam - 20%, 3 short (about 5 typed pages) reports based largely on the use and application of assigned readings - 20% each.

Bibliography:

T. Scheff, Being Mentally Ill: a sociological theory.
H. Green, I Never Promised you a Rose Garden.
E. Goffman, Interaction Ritual.
P.P. Read, Alive: The Story of the Andes Survivors.
P. Zimbardo, et. al., Influencing Attitudes and Changing Behavior.
W. Ryan, Blaming the Victim.

SOCB03Y History of Social Thought

Prerequisite: One course in Sociology

Course Description: This course will study the development of sociology and the works of sociologists whose ideas have not only historical interest but also contemporary relevance. It begins with a basic discussion of the nature of sociological theory and a short look at ideas on society in Greek, Roman, and Medieval times. It will then analyze the rise of modern social theory in the nineteenth and early twentieth centuries in the work of theorists such as Marx, Durkheim, Spenser, Simmel, and Weber. Finally, contemporary schools of sociological theory will be considered, such as functionalism and exchange theory; phenomenology and ethnomethodology; Marxist humanism, especially as represented in the Frankfurt School; and structuralism, as it is developing in France. To help organize this range of material, much of the analysis will focus upon a few basic questions, such as the existential premises of each theory, and the position of each theory on the nature of social change and social stratification. In this way, students will be able to compare different theories and to trace over the last century and a half the course of development of certain basic questions in social theory.

Instructor: M. Hammond Session: Winter Day

Teaching Method: Lectures and Tutorials

Evaluation: Two short papers, a Christmas exam, and a major research paper due at the end of the second term.

SOCB04Y Political Sociology

Prerequisite: One course in Sociology

Course Description: Specific topics include a review of social and political theories; major political ideologies; political development and emergence of modern nation-state; political action (political protests, revolutions and wars of independence). The course will examine a number of contemporary issues such as the question of national unity, Labour and politics, wage and price control, Immigration Law etc..

Instructor: A.Q. Lodhi Session: Winter Day

Teaching Method: Lectures, simulation games, films and discussions.

Evaluation: Two in class-tests, and a major essay.

SOCB05Y Urban Sociology

Course Description: Specific topics include a review of theories of urban genesis and urban form, interrelationship of urbanization, industrialization and modernization, issues in urban living (housing, transportation, urban-renewal, poverty, unemployment etc.), urban social net-works (ethnic and cultural heterogeneity, neighbourhood, community and other voluntary associations).

Instructor: A.Q. Lodhi Session: Winter Day

Teaching Method: Lectures, field-trips, films, group-discussions.

Evaluation: Field-trip reports, an examination, and a major essay.

SOCB06F Social Statistics

Prerequisites: One course in Sociology
Corequisite: SOCB01
Exclusion: PSYB07

Course Description: Statistics is a basic tool used by Sociologists and an understanding of statistics is necessary for the student who wants to become an "informed" reader of social research. The course will consider elementary statistics which includes summarizing data, the logic of statistical decision-making and a number of common statistical tests. A working knowledge of elementary algebra is required. However, the lecturer will undertake brief reviews of mathematics as the need arises. This course is intended to supplement SOCB01.

Instructor: S. Ungar Session: Winter Day

Teaching Method: Lectures, tutorials, and homework assignments.

Evaluation: Homework (10%), 2 term tests (25% each), a final exam (40%).

SOCB07Y Small Groups

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

Course Description: Analyses of small group behaviour with special reference to the dynamics of structure formation, conflict patterns, maintenance patterns, and patterns of change. Limited enrolment: 20

Instructor: W.W. Isajiw Sessions: Winter Day, Winter Evening

Teaching Method: The first term will be conducted as an academic self-analytical group; the second term as a seminar. The method in the first term will be participation in group task performance supplemented by regular reading and written reports; and in the second term, class reports, discussions and research reports.

Evaluation: Subject to the approval of the College, there will not be a formal examination.

SOCB10Y Social Class and Social Stratification

Prerequisite: One course in Sociology

Course Description: 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.

Instructor: J. Glickman Session: Winter Day

Teaching Method: Lectures and Tutorials.

Evaluation: Periodical minor submissions, a major research paper and a final examination.

SOCB11Y Sociology of Science

Course Description: This course will study the relationship between science and society. In the first term, the effects of different social structures on the development of science and scientific ideas will be analyzed in a number of historical contexts. During the second term, the effects of science on contemporary societies will be studied, with particular attention given to the Canadian situation. For instance, we will consider from a sociological perspective such topics as nuclear energy and genetic engineering. Hopefully, this course will be of interest to students of both the natural and social sciences.

Instructor: M. Hammond Session: Winter Day

Teaching Method: Three hours per week of lecture and discussion.

Evaluation: Two short papers, a Christmas exam, and a major research paper due at the end of the second term.

SOCB12Y Sociology of the Family

Prerequisite: One course in Sociology

Course Description: The sociological study of the family in contemporary western society. The first half of the course will focus on the family as a small group, emphasizing the family life cycle, member roles, interaction patterns and interpersonal problems in family relationships. The second half of the course will examine the family in its community, institutional and historical setting, emphasizing the various social factors which affect family life and its changing nature.

Instructors: R.L. James (First Term)
D. Grafstein (Second Term)
Session: Winter Day

Teaching Method: Lectures and tutorials

Evaluation: The first half of the course will be evaluated on the basis of an in-term test, an end-of-term examination, tutorial work and a short research paper. The second half of the course will be similarly evaluated, but with a final examination over the course.

SOCB13Y Canadian Society

Prerequisite: One Course in Sociology

Course Description: An examination of the context, structure, and development of Canadian society. Special consideration will be given to current issues such as control of energy resources, the future of Quebec and the question of a distinctive national identity.

Instructors: J. Hannigan (Winter Day),
J-L deLannoy and
J. Hannigan (Summer Evening)
Sessions: Summer Evening
Winter Day

Teaching Method: Lectures and Tutorials.

Evaluation: Examinations and essay assignments.

SOCB14Y Comparative Social Structure

Prerequisite: One course in Sociology

Course Description: A study of the institutional structure in different societies in order to develop a better understanding of the effects of structural variations on human behaviour.

Instructor: J. Glickman Session: Winter Day

Teaching Method: Lectures and Tutorials.

Evaluation: Periodical minor submissions, a major research paper and a final examination.

SOCB16Y Social Change

Prerequisite: one course in Sociology

Course Description: A sociological analysis of forms of change, such as industrialization, modernization, urbanization and their consequences for the structure and function of contemporary society.

Instructor: J.A. Lee (both sections) Sessions: Summer Day
Winter Day

Teaching Method: Lectures and Tutorials.

Evaluation: A combination of class tests, field work assignments, an essay, and a final examination.

SOCB18Y Sociology of Deviant Behaviour

Prerequisite: One course in Sociology

Course Description: Topics covered will include the analysis of the social processes by which behaviour is defined and treated as criminal, immoral, disgusting, sick or merely eccentric; the establishment and administration of sanctions, treatment and other controls; deviant subcultures; specific categories of deviance, such as, crimes against persons, "victimless crimes"; mental illness, sexual deviation and alcoholism.

Instructor: R.L. Beals Session: Winter Day

Teaching Method: Lectures and possibly seminars or tutorials will be employed.

Evaluation: Will be based on some combination of written reports and examinations.

SOCB20Y Ethnic and Race Relations

Prerequisites: One course in Sociology

Course Description: The course is concerned with the situations in which people in a society meet and mingle, the patterns of relations and behaviour that develop through frequent interaction, and the changes in perceptions, values, and attitudes that take place following such regular and protracted interaction. Specific topics to be discussed may include: the problem of stereotyping and prejudice; social mobility and 'civil rights' movements as processes of change of ethnic status; maintenance of ethnic identity and conflict and continuity between ethnic generations, and societal integration especially as it bears upon the question of Canadian bilingualism and multiculturalism.

Instructors: W.W. Isajiw (Winter Day) Sessions: Winter Day
J. Glickman (Winter Evening) Winter Evening

Teaching Method: Lectures and class discussion.

Evaluation: Essays and examination(s).

SOCB23Y Demography of Canadian Society

Exclusion: SOCC15
Prerequisite: One course in Sociology.

Course Description: The study of human population processes, birth, death and migration, and the effects of these processes on society, especially Canadian society. The course involves an introduction to demographic theory and substantive work; gaining an understanding of biosocial processes of birth, death and migration. Students will acquire skills in constructing and understanding basic methods and measures in demography, such as the life table, cohort and period measures of fertility, and computer simulations of populations. These tools will be used to build an understanding of the Canadian population in historical and comparative perspective.

Instructor: N. Howell Session: Winter Day

Teaching Method: Primarily lectures in the first term; primarily seminars in the second.

Bibliography:
W. Petersen, Population, Macmillan Publishing Co., New York, 1975.
W. Petersen, ed., Readings in Population, Macmillan, New York, 1972.
Lorna Marsden, Population Probe: Canada, 1973.
J. Henripin, Trends and Factors of Fertility in Canada, Statistics Canada, 1961, Census Monograph, 1972.

Evaluation: Regular short assignments and problem-sets; an examination at the end of the first term; a research project and report in the second semester.

SOCC03F Collective Behaviour

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

Course Description: The study of " uninstitutionalized" group behaviour - crowds, panics, crazes, riots and the genesis of social movements. Limited enrolment: 15.

Instructor: R. O'Toole Session: Winter Evening

Teaching Method: Seminar

Evaluation: Subject to the approval of the college, students will be graded on the basis of two papers and their class participation.

SOCC04S Social Movements

Prerequisites: Two courses in Sociology, including a B-level course.

Course Description: The instructor will develop an approach to social movements which includes the following: the origins of social movements, mobilization processes, the career of the movement and its routinization. The course readings will be closely related to the lectures, and a major concern will be to link the theoretical discussion with the concrete readings on movements.

Instructor: S. Ungar Session: Winter Evening

Teaching Method: Lectures and class discussion.

Evaluation: Analytic Paper - 25%
Book Review - 25%
Class Participation - 10%
Final Examination - 40%

SOCC05Y Special Problems of Sociological Theory

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

Course description: Basic questions underlying sociological thinking will be considered as they arise in the work of contemporary theorists and theoretical schools. Students will be expected to develop an informed, critical perspective on current debates within the discipline. Though not formally required, a previous course in social and/or political theory (e.g. Soc.B03Y) would be a distinct asset. Limited enrollment: 15.

Instructor: R. O'Toole Session: Winter Day

Teaching Method: Seminar. Students will be expected to read widely and to participate in class discussion.

Evaluation: Subject to approval by the college, students will be graded on the basis of term papers, oral presentations, and a major research paper.

SOCC07S Sociology of Occupations

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

Course Description: Within the context of the relevant sociological theories of Durkheim, Weber and Marx, the relationship of people to their work and their occupation is studied through the examination of particular occupations in industry, bureaucracy and the professions. Career choice and patterns, questions of satisfaction and alienation, and future changes and trends are analysed with special reference to the Canadian labour force. Limited enrolment: 15.

Instructor: L. Marsden Session: Winter Day

Teaching Method: Seminar

Evaluation: Two short research papers and a final examination.

SOCC09S Sociology of Culture

Prerequisites: One course in Sociology

Course Description: This course will study the effects of social structure and organization on the development of culture. It will seek to show how all aspects of culture, from the most abstract aesthetics to the most commercialized mass culture product, can be analyzed from a sociological perspective. The lectures will focus primarily on film, literature and music, both in Canada and abroad but students will be able to choose any aspect of culture for analysis in their papers. (The Summer Day Section will have a somewhat different emphasis.)

Instructors: J.A. Lee (Winter Day)
R. O'Toole (Summer Day)
Sessions: Winter Day
Summer Day

Teaching Method: Seminar

Evaluation: One short paper for presentation in class and one major research paper due at the end of the term. (Subject to College Approval.)

SOCC10F Sex, Self and Society

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

Course Description: A sociological approach to the bases, establishment and maintenance of social differentiation based on sex, including a consideration of socialization and sex-typing, the division of labour, patterns of sexual behaviour, changing roles and protest movements.

Instructor: R.L. James Session: Winter Day

Teaching Method: Lectures, discussions and student-led seminars.

Evaluation: In-term tests, a short essay and oral presentation.

SOCC12F Mathematical Methods in Sociology and the Behavioural Sciences

Prerequisites: Permission of Instructor

Course Description: This course has two aims:
(1) to explain the use of mathematical tools adapted to research in the behavioural sciences (Sociology, Psychology, Economics, Political Science and Anthropology); and (2) to illustrate the use of each tool by examples from literature in those disciplines. The survey of literature will be critical, emphasizing the limitations as well as the power and potentialities of mathematical methods in the behavioural sciences. Acquaintance with the Calculus, Linear Algebra, Probability and Statistics desirable, though not formally required. Admission by consent of instructor.

Instructor: A. Rapoport Session: Winter Day

Teaching Method: Lectures and Discussion.

Evaluation: Term Papers and/or Examination.

SOCC14S Mass Communication and Canadian Society

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

Course Description: Examines the nature of mass communications processes, patterns of media access and control, and current issues in Canadian communications. Topics to be considered include the mass media and mass society, the media and the poor, and mass communication and national identity. Limited enrolment: 15.

Instructor: J. Hannigan Session: Winter Day

Teaching Method: Seminar

Evaluation: A seminar presentation, a research paper and some form of examination.

SOCC18S Sociology of the Arts

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

Course Description: This course will study the relationship between social structure and high culture. It will seek to show how a study of the arts can deepen sociological understanding and how all aspects of high culture can be analyzed from a sociological perspective. The lectures and discussions will focus on literature, film, and painting, but students will be able to choose any aspect of high culture for analysis in their research paper. Limited enrolment: 15.

Instructor: M. Hammond Session: Winter Day

Teaching Method: Seminar

Evaluation: One presentation in class, an exam, and a major research paper.

SOCC20F Sociology of Religion

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

Course Description: A sociological analysis of religion as a social institution. Consideration of the problem of a definition of the phenomenon; analysis of major theoretical and empirical contributions to the field; and investigation of the forms of religion in historical and contemporary contexts. Limited enrolment:15.

Instructor: R. O'Toole Session: Summer Day

Teaching Method: Seminar

Evaluation: Subject to the approval of the college, students will be graded on the basis of two papers and their class participation.

SOCC22S Sociological Analysis: Qualitative Methods

Prerequisites: SOCA01; one B-level course in Sociology

Course Description: Systematic analysis of basically non-statistical or qualitative materials. The craftmanship of research. The problems, limitations and techniques of sociohistorical analysis, content analysis and methodologies for the study of non-academic materials from non-scholarly sources. Limited enrolment 15.

Instructor: A.Q. Lodhi Session: Winter Day

Teaching Method: Lectures, field work, and group discussions.

Evaluation: A combination of in-class tests, field-work reports, and a major essay.

SOCC24S Changing Family Life in Canada

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

Course Description: Examination of the major changes in the structure of the family in Canada, and its consequences for family life. Limited enrolment: 20.

Instructor: D. Grafstein Session: Summer Day

Teaching Method: Lectures and Seminars.

Evaluation: Subject to college approval, a combination of research assignments and a major paper.

SOCC25S Comparative Race Relations

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

Course Description: The purpose of this course is to obtain a critical understanding of "race" as a form of social inequality governing intergroup relations in different societies. Special emphasis will be placed on Canada, the United States, South Africa and Latin America.

Instructor: J. Glickman Session: Winter Day

Teaching Method: Seminar

Evaluation: Subject to approval by the College, evaluation will be based on: (a) an oral presentation, (b) a major research paper comprising a comparison of race relations in two or more societies or the development of race relations in one society over a given period of time, and (c) general class participation.

SOCC26S Sociology of Urban Growth

Prerequisites: Two previous courses in Sociology

Course Description: An in depth examination of the conditions, patterns and consequences of urban growth and development. Major topics will include the emergence of new urban institutions (legal, political,economic) and the formation and operation of urban social networks. Limited enrolment: 20.

Instructor: J. Hannigan Session: Winter Evening

Teaching Method: Seminar Form.

Evaluation: A major research paper, a seminar report, an annotated bibliography, and an examination.

SOCC27F Social Class in Canadian Society

Prerequisites: Two courses in Sociology

Course Description: Specialized study of social class phenomena in contemporary Canadian Society, bringing to bear both current theory and research.

Instructor: D. Grafstein Session: Winter Day

Teaching Method: Seminar

Evaluation: Subject to approval by the College, the evaluation will be based on a short research assignment, a seminar presentation, and a final research paper.

SOCC28F Sociology of Aging

Prerequisites: SOCB12

Course Description: An examination of the latter stages of the family life cycle, with special reference to the period following middle age, and including social and psychological dimensions of aging, changing roles, departure of children, the significance of retirement, problems of adjustment to aging, the place of the aged person in the modern family, and bereavement. Limited enrolment: 20.

Instructor: R.L. James Session: Winter Evening

Teaching Method: Lectures, discussions and seminar programmes

Evaluation: In-term tests, a short research paper and oral presentation

SOCC29F Variant Family Forms

Prerequisites: SOCB12

CourseDescription: A review and sociological analysis of non-traditional family forms and innovative life styles representing departures from conventional marriage and family patterns in the 1970's. Included will be "singleness", "living together", androgeny as a life style, non-monogamous forms, voluntary childlessness, communes and co-operatives, and "swinging ". Special reference to structural and functional dimensions, role changes, special problems and community response. Limited enrolment: 20.

Instructor: R.L. James Session: Winter Day

Teaching Method: Lectures and class discussions.

Evaluation: In-term tests, short research paper, and short written assignment(s).

SOCC30Y Independent Studies

Prerequisites: Any fifteen courses; permission of instructor.

Course Description: By arrangement with instructor.

Instructor: Staff Session: By arrangement with instructor

SOCC40Y Directed Field Work

Prerequisites: Any ten courses; permission of instructor. (Students anticipating the selection of this course are advised to include SOCB01 early in their programme of studies).

Course Description: Designed primarily for students taking the last five courses for their twenty-course degrees who wish to specialize in field research. The course includes the observation and reporting of social data. Under the guidance of the instructor the students will be expected to concentrate on a major research project during the session, terminating with submission of a paper based on the experience.

Instructor: Staff Sessions: By arrangement with instructor.

SOCIOLOGY COURSES NOT OFFERED 1978-79

SOCB19Y Sociobiology

SOCB22Y Sociology of Ideas
Prerequisite: One course in Sociology

SOCC02F/S Research on Small Groups
Prerequisites: SOCB01 or SOCB07, (SOCC01); permission of instructor

SOCC08F/S Sociology of Education
Prerequisites: Two courses in Sociology, one of which must be a B-level course.

SOCC15F/S Problems in Demography
Prerequisite: SOCB23 or permission of instructor.

SOCC16F/S Sociology of Conflict
Prerequisites: Two courses in Sociology, one of which must be a B-level course.

SOCC17F/S Social Change in Latin America
Prerequisites: Two courses in Sociology, one of which must be a B-level course.

SOCC21F/S Sociology of Criminal Behaviour
Prerequisites: SOCB18; one other course in Sociology

SOCC23F/S Juvenile Delinquency
Prerequisites: SOCB18; one other course in Sociology

Spanish

Discipline Representative: P.R. León

Students enrolling in Spanish, are offered a wide range of courses in the Spanish language and in Peninsular and Spanish-American literature.

Students who do not intend to major in Spanish are free to choose whichever courses they wish, provided that they have satisfied the relevant prerequisites. Students intending to major will find the requirements for programmes in Spanish and in Modern Languages and Literatures in the Major Programmes section of the College Calendar.

Courses in Fine Art, History, Humanities, Linguistics, Philosophy, and in other languages and literatures, may also prove valuable to the student as adjuncts to his plan of study or as an enrichment of his total programme.

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

MAJOR PROGRAMME IN SPANISH

Supervisor of Studies: P.R. León

Students should complete at least nine full courses (or equivalent) in Spanish. The programme should be made up as follows:

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

First year of full-time study (or equivalent): SPAA01Y (students without Grade 13 Spanish)* or SPAB01Y (students with Grade 13 Spanish) SPAB04F

Second year of full-time study (or equivalent): SPAB01Y (unless completed in first year)

Third year of full-time study (or equivalent): SPAB12S; SPAC01Y

(2) Six full courses (or equivalent) from among the following:

SPAB03S Pre-Literary Examination of Texts
SPAB09F/S Cultural Aspects of Spain
SPAB38Y Topics in Latin American Culture and Literature

Survey of Literature courses: SPAB18Y, SPAB19Y

Modern Literature courses: SPAB13F, SPAB17F, SPAB27F, SPAB29F/S, SPAB30F/S, JSHB31Y, SPAB33F/S, SPAB34S

Golden Age Literature courses: SPAB23Y, SPAB25F/S, SPAB26S, SPAB37S

*SPAA01Y does not count as one of the nine full courses required for a major programme

SPAB21F/S Stylistics and Translation
SPAB35F/S Medieval Literature: Prose
SPAB36F/S Medieval Literature: Poetry
SPAC02-C11 Supervised Reading

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

SPAA01A Introductory Spanish

Course description: A course in basic grammar and syntax, with instruction in spoken and written Spanish.

Instructor: K. Godde-Nijhowne Session: Winter Evening (Fall Term)

Content: This course covers the basic aspects of Spanish grammar with some reference to Hispanic culture and society. Stress is placed on written exercises, basic composition, reading and conversation. Regular class attendance and participation is essential.

Teaching Method: Six lecture hours of exercises and drills based on the grammar textbook, plus a 1 hour conversation class for supplementary oral drills.

Evaluation: 5 tests which will account for 50% of the final mark and 5 written or oral assignments equally worth 50% of the final mark.

Note: This is an intensive course which will meet twice per week. This is a full credit course.

SPAA01Y:1 Introductory Spanish

Course description: A course in basic grammar and syntax, with instruction in spoken and written Spanish.

Instructor: I. Chicoy-Daban Session: Winter Day

Content: This course covers the basic aspects of Spanish grammar with some reference to Hispanic culture and society. Stress is placed on written exercises, basic composition, reading and conversation. Regular class attendance and participation is essential.

Teaching Method: Three lecture hours of exercises and drills based on the grammar textbook, plus conversation for supplementary oral drills.

Evaluation: Regular written assignments and quizzes. In-course written examination.

SPAA01Y:2 Introductory Spanish

Course description: A course in basic grammar and syntax, with instruction in spoken and written Spanish.

Instructors: R. Barta/P. León Session: Winter Day

Content: This course covers the basic aspects of Spanish grammar with some reference to Hispanic culture and society. Stress is placed on written exercises, basic composition, reading and conversation. Regular class attendance and participation is essential.

Teaching Method: Three lecture hours of exercises and drills based on the grammar textbook, plus conversation for supplementary oral drills.

Evaluation: Regular written assignments and quizzes. In-course written examination.

SPAB01B Intermediate Spanish (See Summer Language Institute)

SPAB01B Intermediate Spanish

Exclusion: SPAB02
Prerequisite: Grade 13 Spanish or SPAA01

Course description: Review of grammar and syntax: composition, translation and oral practice.

Instructor: P. León Session: Winter Evening (Spring Term)

Note that this is an intensive course that will meet twice a week for 3 hrs per evening. In addition there will be tutorial and practice hours to be arranged with students. This course will count for a full credit.

Content: 1. Review of grammar and syntax. The text used will be Da Silva, A Concept Approach to Spanish, 3rd edition.
2. Language practice, through:
Conversation in class, tutorial practice, TV playback, dramatization, reading aloud and oral presentation.
3. Vocabulary acquisition, through:
Drills, on idiomatic expressions, cognates and regionalisms; translation of both prose and poetry, and composition.
4. Integration of stylistic devices, linguistic patterns, dialogue, etc., in a literary work.
Mimeographed materials, and audio visual aids (TV programs, dramatic productions in Spanish, music, etc.), will be provided, as well as topics of conversation and texts for translation. Each student will be expected to prepare a presentation on a suggested topic, in collaboration with a classmate. The topic of this presentation will have to be agreed by the class as a whole before it is prepared. The play by A. Casona, La barca sin pescador, will be the literary work used in addition to the above materials.

Evaluation: Class participation, oral and written tests, presentation of topic, a long translation and two compositions in Spanish will be worth 60%. Two term exams will be worth 40%.

SPAB01Y Intermediate Spanish

Exclusion: SPAB02
Prerequisite: Grade 13 Spanish or SPAA01

Course description: Review of grammar and syntax: composition, translation and oral practice.

Instructor: J.I. Chicoy-Dabán Session: Winter Day

Content:
1. Review of grammar and syntax. The text used will be Da Silva, A Concept Approach to Spanish, 3rd edition.
2. Composition. There will be two kinds: a) to be written as homework; b) in class (with the help of a dictionary). The topics for both types of compositions will be chosen by the student from among several proposed by the instructor.
3. Translation. There will be: a) translations to be done as homework; b) in class (with the help of a dictionary). Both kinds of translations will be from English into Spanish. The types of texts used for translation will include: a) conversations on matters of daily life; b) historical texts; c) scientific ones; d) literary prose.
4. Oral practice. The students will be asked to act in groups of two or three various dialogues portraying different situations.

Evaluation: The final mark will be comprised of:
1. 4 tests (in class) 40%.
2. Compositions 20%.
3. Translations 20%.
4. Oral practice 20%.

SPAB03S Pre-Literary Examination of Texts

Corequisite: SPAB01

Course description: The basic elements of style with rapid reading and comprehension of texts of various periods.

Instructor: R. Skyrme Session: Winter Day

Content: This is not a literature course, but one which provides training in the methodical analysis of literary texts from Spain and Latin America. Its purpose is to develop the critical skills on which the understanding and enjoyment of literature depend.

Teaching Method: Two lecture/tutorial hours per week. A further tutorial hour to be arranged. Regular attendance and class participation are essential.

Evaluation: Regular oral and/or written commentaries on assigned texts. Written term-tests.

N.B. Since this course is a prerequisite for several Spanish literature courses, students are remineded that it should be taken in the same year as SPAB01.

SPAB04F Phonetics

Corequisite: SPAA01

Course description: Articulatory phonetics; Spanish speech sounds; intensive practice in their production and transcription.

Instructor: R. Skyrme Session: Winter Day

The objectives of the course are to develop good pronunciation of Castilian (with attention to variations in other dialects) and to provide an introduction to further linguistic work.
The weekly lecture concentrates on the description and distribution of Castilian speech sounds and emphasizes basic intonation patterns. In the tutorial hour students practise exercises in articulation, transcription, and dictation. There is one laboratory hour per week of intensive oral practice.

Evaluation is based on weekly preparation of lecture material, regular dictation exercises and assignments in transcription, two lab review sessions, a student tape based on final transcription passage, and 3 in-term written tests on lecture and reading material. Oral and written work are each worth 50% of final mark.

Text: A. Quilis, Fonética y fonología españolas. Madrid, 1973.

This course is required for Spanish majors but open to all qualified students.

SPAB12 S History of the Spanish Language

Prerequisite: SPAB04

Course description: The languages of Spain, from pre-Roman times to the present.

Instructor: R. Skyrme Session: Winter Day

The objective of the course is to develop a basic understanding of how the Spanish language evolved from Latin, within the context of other Romance languages.
A survey of the Pre-Roman, Roman, Visigothic, and Moorish civilizations in the Peninsula will be followed by an analysis of the characteristics of spoken Latin, as evidenced in non-Classical texts (inscriptions, glosses, etc.). The main segment of the course deals with the evolution of the sound- and form-systems of Latin into Peninsular Romance, focussing on the growth of the Castilian dialect. Illustrative texts will be analyzed and class participation and discussion are encouraged.

Evaluation is based on weekly reading assignments, up to five written tests during term, and a written research assignment. Tests are worth 80%, assignment 20% of final mark.

Text: R.K. Spaulding, How Spanish Grew. U. of Calif. Press, 1965. Supplementary material will be available at beginning of course.

This course is required for Spanish majors but open to all qualified students.

SPAB19Y Survey of Spanish Literature II

Prerequisite: SPAA01

Course description: From the eighteenth century to the present. Reading, analysis and discussion of major texts of Peninsular Spanish literature of the period. A continuation of SPAB18Y.

Instructor: R. Barta/J.I. Chicov-Dabán Session: Winter Day

Content: Lectures on background material. Areas of study will include representative texts from eighteenth century Neo-Classicism, nineteenth century Romanticism, Post-Romanticism, Realism and Naturalism. The late nineteenth and the twentieth centuries will be studied according to the concept of literary generations.

Teaching Method: Three lecture/discussion hours weekly. Class participation is essential.

Evaluation: Regular oral and written assignments; one year paper.

SPAB25F Golden Age Prose

Prerequisite: SPAB03

Course description: The development of Spanish prose writing in the Golden Age.

Instructor: J.I. Chicoy-Dabán Session: Winter Day

Content:
1. El Lazarillo de Tormes, as an example of the picaresque novel.
2. Cervantes' Novelas ejemplares, as an example of the exemplary novel.
3. Alfonso de Valdés' El diálogo de Mercurio y Carón, as an example of the didactic prose of the period.
4. El Abencerraje o Historia de Abindarráez y la hermosa Jarifa, as an example of the Moorish novel.
5. Extracts from Cervantes' Don Quijote. Some of these extracts will illustrate several other forms of the novel of the period.

Evaluation: One final written examination (three hours) in which, besides answering some general questions on some of the works and authors studied, the student should analyze specific given passages. (60% of the final mark)
One essay of 2,000 words on any of the topics suggested by the instructor. (20% of final mark)
Participation in work done during class periods will constitute the remaining 20% of final mark.

SPAB29F Spanish American Literature: The Short Story

Prerequisite: SPAA01

Course description: Short story: history of the Spanish cuento; examination of short stories by Spanish and European authors in order to attempt a definition of the short story; reading, analysis and discussion of the various forms of the Spanish American short story.

Instructor: P. León Session: Winter Day

Objectives & Content: a) To trace the development of the short story as a literary genre, from the apologues and fables of Indian and Oriental provenance, through the medieval exempla and Boccaccio, to the stories of Poe, Maupassant, O'Henry, Chekhov, Saroyan and Capote. b) To attempt a definition of the Latin American short story through the study of the various forms of short prose fiction known in Latin America: cuento, relato, leyenda, tradición, etc. c) To study the work of some of the outstanding short story writers of Latin America: Asturias, Mallea, Borges, Cortázar, Machado de Assis, García Márquez, etc. (Part of major programme but open to all qualified students. Texts in Spanish and English. Critical material mainly in English).

Teaching Method: The course will be conducted in seminar form. Students will be encouraged to discuss, comment, disagree and challenge the points made by instructor. There will be a 2 hr. session per week and tutorials to be arranged.

Bibliography: Primary sources will be available either in paperback or mimeograph form. Critical material will be placed on reserve in the library. Lists of both primary and secondary sources will be handed out at the beginning of the term.

Evaluation: There will be one paper worth 40% and one in-term exam worth 30%. Attendance and class participation will be worth 30%.

Additional Comments: Students will be required to discuss with instructor the topic, approach, extent and bibliography of the term paper before beginning work on it. I encourage frequent consultation throughout the writing of this paper, and indeed concerning any other questions relating to the course.

SPAB34F Poets of the Vanguardia

Prerequisite: SPAB03

Course description: Poetry and poetics in Spanish-America between the two World Wars.

Instructor: R. Skyrme Session: Winter Day

Content: A review of the Modernist movement, and of the simpler poetic style which followed it, leads into a detailed examination of texts in order to develop an appreciation of the broad range of poetic expression which characterizes the period. Emphasis is placed on such figures as Neruda and Vallejo.

Teaching Method: Two hours per week (lecture and tutorial). Class participation and discussion are encouraged.

Bibliography: Englekirk, John E. et al. An Anthology of Spanish American Literature. Vol. 2, New York, 1968. Material for outside reading will be indicated as course progresses.

Evaluation: Oral and/or written commentaries on assigned texts; term paper and two term-tests. Term tests are worth 50%, term-work and paper 50% of final grade.

SPAB36F Medieval Poetry

Prerequisites: SPAB03 or (SPA003)

Course description: Reading, analysis and discussion of major texts in poetry from the twelfth to the fifteenth centuries in Spain.

Instructor: R. Barta Session: Winter Day

Content: This course includes an investigation of the problems of the development of epic poetry from the Cid to the romances; the jarchas and the development of lyric love poetry both courtly and traditional; the mester de clerecia; the Libro de buen amor; satiric and "protest" poetry; 15th century allegorical lyric and narrative poetry.

Method: Three lecture/discussion hours weekly.

Evaluation: One term paper. Oral and written assignments. Class participation is essential.

SPAB38Y Topics in Latin American Culture and Literature

Exclusions: HUMB61, SPAB10
Prerequisite: SPAA01

Course description: This course will attempt to provide students with a basic understanding of Latin American culture and literature.

Instructor: P. León Session: Winter Evening

Objectives and Content: To study the political, social, cultural and literary evolution of Latin America. The following are some of the topics to be considered: Pre-Columbian America; The Spanish Conquest; The Colonial Society; Religious and Secular Art; Baroque Learning and Ideas; The Enlightenment and the Independence; The Mexican and Cuban Revolutions; Brazil, Haiti, Puerto Rico: Latin America with a difference; Contemporary Latin America: an Overview.
The course will be conducted in seminar form. Students will be encouraged to discuss, comment, disagree and challenge the points made by the instructor. There will be a 2 hr. session per week and tutorials to be arranged.
Students will be required to discuss with me the topics, approach, extent and bibliography of the term paper before beginning work on them. I encourage frequent consultation throughout the writing of these papers and indeed concerning any other questions relating to the course.

Evaluation: There will be three short papers worth 15% each, two 2 hr. in-term exams worth 15% each and a seminar presentation worth 10%. In-class participation will be worth 15%.

SPAC01Y Advanced Spanish

Exclusion: SPAB20
Prerequisite: SPAB01

Course description: Intensive study of grammar and syntax; translation, composition, and oral practice.

Instructor: R. Skyrme Session: Winter Day

Content: Detailed examination of the subtleties of Spanish grammar through intensive practice in translation from and into Spanish, composition, and conversation.

Teaching Method: Three hours per week in tutorial form. Regular attendance and class participation are essential.

Bibliography: Neale-Silva and Nelson. Lengua Hispánica Moderna. New York, 1967. Olsted and Barrow. Creative Spanish. New York, 1972.

Evaluation: Regular assignments in grammar, translation, and composition. Four in-term tests. 60% of final mark based on term work and class participation, 40% on tests.

Required for Spanish majors, but open to all qualified students.

SPAC02F-C06F
C07S-C10S
C11Y Supervised Reading

Prerequisites: SPAB03; one course in Spanish Literature - (SPAB13 to SPAB37)

Nature of The Programme: Students who wish to enter on the Spanish Supervised Reading Programme should enrol in any of the above courses (Y,F or S as appropriate). They should then contact a particular instructor in the discipline and discuss with him a proposed topic. Students should have sufficient background in the area they want to study more closely, and they should provide a rationale for choosing a specific topic of study. The student will be expected to read much of the material on his own, and to meet with his tutor once a week, normally for a two hour period (the exact arrangements will depend on the nature of the text and the level of ability of the students).

Instructors: R. Barta, J. Chicoy-Dabán, P. León, R. Skyrme Session: Winter Day

Content: Specific topics in Peninsular Spanish and Latin American literature, Linguistics and Culture.

Teaching Method: TBA

Evaluation: TBA

Courses not offered in 1978-79:

SPAB02F Intermediate Spanish
Prerequisite: Grade 13 Spanish or SPAA01

SPAB05S Spanish Conversation I
Exclusion: SPAB15
Prerequisite: SPAA01

SPAB06F/S Spanish Conversation II
Exclusion: SPAB16
Prerequisite: SPAB05

SPAB07S Intermediate Syntax and Composition
Prerequisite: SPAB02

SPAB09F/S Cultural Aspects of Spain
Exclusion: (SPAB08)
Prerequisite: Grade 13 Spanish or SPAA01

SPAB13F Romanticism
Prerequisite: SPAA01

SPAB15Y Conversation I
Exclusion: SPAB05

SPAB16Y Conversation II
Exclusion: SPAB06
Prerequisite: SPAB15

SPAB17F The Nineteenth Century Spanish Novel
Prerequisite: SPAA01

SPAB18Y Survey of Spanish Literature I
Exclusion: (SPAB11)
Prerequisite: SPAA01

SPAB20Y Advanced Language Practice
Prerequisite: SPAB07

SPAB21F/S Stylistics and Translation
Prerequisite: SPAB03

SPAB23Y Spanish Drama
Prerequisite: SPAB02
Corequisite: SPAB03

SPAB26S Golden Age Poetry
Prerequisite: SPAB02
Corequisite: SPAB03

SPAB28F/S Spanish American Literature: A Survey
Prerequisite: SPAA01

SPAB30F/S The Novel of the Mexican Revolution
Prerequisite: SPAA01

JSHB31Y The Twentieth Century Latin-American Novel and the European Tradition
Exclusion: HUMB62, (SPAB31)
Prerequisite: SPAB03 for Spanish majors. None for others

SPAB33F/S Spanish American Poetry 1880-1920
Exclusion: HUMB15
Prerequisite: SPAB03

SPAB35F/S Medieval Literature: Prose
Exclusion: SPAB22
Prerequisite: SPAB03

SPAB37S The Literature of the Spanish Mystics
Corequisite: SPAB03

Timetable

Key

Explanation of Suffixes, Y,A,B,F,S and H

'Y' A course taught throughout the session worth one full course credit.

'A' A course taught in the first term and worth one full course credit.

'B' A course taught in the second term and worth one full course credit.

'F' A course taught in the first term and worth one-half course credit.

'S' A course taught in the second term and worth one-half course credit.

'H' A course taught throughout the session and worth one-half course credit.

Explanation of M,T,W,R,F and T.B.A.

M,T,W,R,F - the days of the week with R denoting Thursday.

T.B.A. - denotes that the student is responsible for arranging time and/or room with the instructor for that course.

Explanation of Letters

L - lectures.
P - practical work in laboratories or studios) (* denotes every
T - tutorials) other week)
E - evening

Explanation of Lecture Section Numbers

01 etc. day sections.
30 etc. evening sections

Tying of Sections

Some lecture, practical and tutorial sections must be taken as a "package". This means that the first two digits of the lecture, practical or tutorial section numbers must be the same, e.g. P0101 and T0102 must be taken with L01; and T3001 or T3002 must be taken with L30.

The reason for "tying" sections is that the subject matter may differ from section to section. Many courses are "untied" so it does not matter which practical or tutorial section is assigned with any particular lecture section. In such cases the first two digits of the practical or tutorial section number will be 00,eg.P0001 or P0002 and T0001 or T0002 may be taken with L01 or L02 or L03.

Rooms

Students will be advised of rooms for courses in May, for Summer Session courses, and September, for Winter Session courses.

SUMMER SESSION COURSES 1978

Course No.	Course Title	Day and Time
ANTB31B	Urban Anthropology	M to F 11-1
ANTB36Y	Theoretical Frameworks in Physical Anthropology	MW 7-10E
ANTB37S	Prehistory of Mexico and Mesoamerica	MW 7-10E
ANTC12F	Research on the Social Behaviour of Non-Human Primates	M to F 10
BIOB39B	Biogeography	M to F 9-11
CHMC47H/ C45Y	Library Thesis	TBA
CHMC46Y	Introduction to Research	TBA
COMA01Y	Financial Accounting	TR 7-10E
CSCA56H	Computer Programming	M 7-9E
	P0001	W 7-9E
DRAB10B	The Theory and Practice of Improvisational Theatre: The Commedia dell'Arte	MTWR 6-9E
ECOA01Y	Introduction to Economics	MW 7-10E
ECOB01F	Price Theory I	M to F 9
ECOB02S	Price Theory II	M to F 9
ECOB05F	National Income and the National Economy	M to F 1
ECOB06S	Macroeconomic Policy	M to F 1
ECOC11F	Supervised Reading	TBA
ECOC12S	Supervised Reading	TBA
ENGB16Y	Fiction 1832-1900	MW 7-10E
FARB76B	Intermediate Painting	T12-5 WR12-4
FARB84B	Introduction to Etching	M 9-1 TWR 9-12
GGRB13B	Cultural Geography	M to F 9-11
GGRC20F	Rural Planning and Development	MW 7-10E
HISB13Y	Europe in the Reformation Era 1500-1650	MW 7-10E
HISB17Y	German in the Nineteenth and Twentieth Centuries	TR 7-10E
LINA01Y	General Linguistics	TR 6:30-9:30
LINB27F	Animal Communication	MW 6:30-9:30
MATA26Y	Calculus with Linear Algebra	TR 7-10E
MATB41F	Techniques of the Calculus of Several Variables I	TR 7-10E
MATB42S	Techniques of the Calculus of Several Variables II	TR 7-10E
PHLB20S	Belief, Knowledge and Truth	TR 7-10E
PHLB60F	Existence and Reality	TR 7-10E
POLB03Y	Political Thought of the Eighteenth and Nineteenth Centuries	MW 7-10E
POLC15B	Topics in Canadian Politics	M to F 9-11
PSYA01Y	Introduction to Psychology	TR 7-10E
PSYB07S	Data Analysis in Psychology	MWF 9-11
	T0001	M11
	T0002	W11
PSYB20S	Developmental Psychology	TR 1-4
PSYB60F	Brain Mechanisms and Behaviour: I	MW 7-10
PSYC15F	Current Topics in Social Psychology	TR 7-10
PSYC30S	Current Topics in Personality and Motivation	TR 7-10
SOCA01B	Introduction to Sociology	M to F 1-3
SOCB13Y	Canadian Society	TR 7-10E
SOCB16B	Social Change	M to F 9-11
SOCC09S	Sociology of Culture	T12-3 R 1-3
SOCC20F	Sociology of Religion	T 9-11 R 9-12
SOCC24S	Changing Family Life in Canada	T 12-3 R 1-3

Summer Language Institute

FREA00B)	Introductory French		M to F 9-5
FREA04S)	Elementary Conversation I		" "
FREA01B)	Preparation for University French Studies		M to F 9-5
FREA05S)	Elementary Conversation II		" "
FREB01B)	Intermediate Language Practice		M to F 9-5
FREB04S)	Intermediate Conversation I		" "
FREC01B)	Advanced Language Practice		M to F 9-5
FREB05S)	Intermediate Conversation II		" "
ITAB01Y	Intermediate Italian		MW6:30-9:30
RUSA10B	Introductory Russian		M to F 9-12 1- 2
RUSA11S	Elementary Conversation	P0001	M to F 3- 4 M to F 2- 3
		P0001	M to F 3- 4
RUSB02B	Intermediate Russian		M to F 9-12
RUSB03S	Intermediate Conversation		M to F 1- 3
SPAB01B	Intermediate Spanish		M to F 10-1

WINTER SESSION EVENING COURSES 1978-79

Course No.	Title	Day and Time
ANTA01Y	Introduction to Anthropology	M 7-10E
ANTB20Y	Introduction to Social Organization	W 7-10E
ANTB44Y	Physiological Anthropology	T 7-10E
CLAB02Y	Greek and Roman Tragedy	T 7- 9E
COMA01Y	Financial Accounting	T 7-10E
COMB01Y	Management Accounting	R 7-10E
COMC15Y	Income Tax	W 7-10E
CSCA56F	Computer Programming	M 7- 9E
		T3001 W 7- 9E
ECOA01Y	Introduction to Economics	T 7-10E
ECOB01F	Price Theory I	T 7-10E
ECOB02S	Price Theory II	T 7-10E
ECOB11F	Quantitative Methods in Economics	W 7-10E
ECOC20S	Workshop in Economics	M 7-10E
ENGA08Y	Forms of Twentieth Century Literature	T 7-10E
ENGB10Y	Shakespeare	M 7- 9E
		T3001 M4
		T3002 M6
		T3003 M5
		T3004 M6
ENGB14Y	Varieties of Fiction	W 7-10E
FARA70F	Two- and Three-Dimensional Design	W 7-10E
FARA71S	Colour	W 7-10E
FARB28Y	Art of the Twentieth Century	T 7- 9E
FARB44Y	Baroque in Europe, 1600-1750	R 7- 9E
FREA01Y	Preparation for University French Studies	T6:30-9E
		T3001 TBA
GGRB03Y	Climatology	T 7-10E
HISB03Y	History of the United States	T 7- 9E
		T3001 T 5
		T3002 T 6
HISB07Y	Russia from the Thirteenth Century to the Present	W 7- 9E
		T3001 W 5
		T3002 W 6
HISB21F	Frontier Communities in the British Empire-Commonwealth: the South African Model	M 7- 9E
HISB22S	British Imperialism in India	M 7- 9E
HISB61Y	The Beginnings of France: Constantine to Charlemagne	M 7- 9E
		T3001 M 5
		T3002 M 9E
HISC44Y	The Prairie Provinces 1850-1950	R 7-10E
ITAB01Y	Intermediate Italian	R 7-10E
JCEB54S	Industrial Relations	W 7-10E
JCSB27Y	Organizational Behaviour	W 7-10E
LINA04S	Introduction to Language	W 7-10E
MATA26Y	Calculus with Linear Algebra	T 7- 9E
		T3001 R 7- 9E
PHLA01Y	Fundamental Questions of Philosophy	M 7-10E
PHLB04F	Philosophy in Literature	W 7-10E
PHLB30S	Existentialism	W 7-10E
PHLB48F	Philosophy in the Later Modern Age I	T 6- 9E
PHLB49S	Philosophy in the Later Modern Age II	T 6- 9E
POLB05Y	Public Administration	M 7-10E
POLB12Y	Politics and Society in Independent Africa	W 7-10E
POLB24Y	Psychology and Politics	T 7-10E
PSYA01Y	Introduction to Psychology	W 7-10E
		P3001 T 7- 9E
		P3002 W 5- 7E
PSYB10F	Introduction to Social Psychology	T 7-10E
		T3001 M 3

Course No.	Title	Day and Time
		T3002 T10
		T3003 W4
		T3004 R2
		T3005 T6
		T3006 T6
		T3007 T9
		T3008 T9
PSYB12S	Advanced Social Psychology	T 7-10E
PSYB20S	Developmental Psychology	R 7-10E
		T3001 M3
		T3002 T10
		T3003 W4
		T3004 R2
		T3005 R6
		T3006 R6
		T3007 R9
		T3008 R9
PSYB32F	Abnormal Psychology	W 7-10E
PSYB32S	Abnormal Psychology	W 7-10E
PSYB45F	Behaviour Modification: Origins and Applications	R 7-10E
PSYB50F	Sensation and Perception	T 7-10E
PSYB65S	Biological Foundations of Behaviour	R 7-10E
SOCA01Y	Introduction to Sociology	M 7-10E
SOCB07Y	Small Groups	M 7-10E
SOCB20Y	Ethnic and Race Relations	R 7-10E
SOCC03F	Collective Behaviour	T 7-10E
SOCC04S	Social Movements	W 7-10E
SOCC26S	Sociology of Urban Growth	T 7-10E
SOCC28F	Sociology of Aging	M 7-10E
SPAA01A	Introductory Spanish	TR7-10E
SPAB01B	Intermediate Spanish	TR7-10E
SPAB38Y	Topics in Latin American Culture and Literature	M 7-10E
GGRB23Y	Topics in Regional Geography	R 7-9E

WINTER SESSION COURSES 78-79

ANTA01Y	L01	MWF12
	L30	M7-10E
	T0001	M10
	T0002	M1
	T0003	M2
	T0004	T10
	T0005	T12
	T0006	T1
	T0007	W10
	T0008	W12
	T0009	W1
	T0010	F10
	T0011	F11
	T0012	F1
ANTB01F	L01	MWF2
	T0001	R1
ANTB02S	L01	R9-11
ANTB03F	L01	T1
		R1-3
	T0001	T3
ANTB05Y	L01	T9-11
ANTB10S	L01	T10
		R10
	T0001	T2
ANTB13F	L01	W2-4
	T0001	W11
ANTB14Y	L01	M11-1
	P0001	T11
ANTB15Y	L01	R11-1
	P0001	T2-5
ANTB16S	L01	W2-4
	T0001	W1
ANTB17S	L01	T1
		R1
	T0001	T3
ANTB18Y	L01	T11-1
	T0001	T2
	T0002	T3
ANTB19S	L01	M3
		W3
	T0001	R1
ANTB20Y	L30	W7-10E
ANTB21Y	L01	MW11
	T0001	M1
ANTB23Y	L01	TR3
	T0001	R12
ANTB26Y	L01	MW9
	T0001	M11
	T0002	M12
	T0003	M1
ANTB27Y	L01	R2-4
ANTB28F	L01	T10
		R10
	T0001	T1
ANTB30Y	L01	R11-1
ANTB32S	L01	MW10
	T0001	M2
ANTB39Y	L01	R10-12
ANTB41S	L01	W2-4
	T0001	W11
ANTB43S	L01	T12-2
	P0001	R2-5
ANTB44Y	L30	T7-10E
ANTB46F	L01	T11-1
	T0001	M1
ANTB47F	L01	W11
	P0001	W2-4
ANTB47S	L01	W11
	P0001	W2-4
ANTB48F	L01	W11
	P0001	W2-4
ANTC02F	L01	T9-11
ANTC03F		TBA
ANTC04S		TBA
ANTC09Y	L01	T1-3
ANTC11Y	L01	R3-5
ANTC13F		TBA
ANTC14S		TBA
ASTA02Y	L01	TR10
	T0001	T11
	T0002	R12
	T0003	R1
ASTA03Y	L01	TR11
	T0001	T9
	T0002	R9
	T0003	R11
	T0004	R12
ASTB01Y	L01	M9
		R2
	T0001	T12
ASTC01H		TBA
BIOA03Y	L01	TR9
	L02	TR1
	P0001	T10-1
	P0002	W1-4
	P0003	R2-5
	P0004	F1-4
BIOB02Y	L01	T10-12
	P0001	T2-5
	P0002	R9-12
BIOB05Y	L01	W9
		F9
	P0001	M2-5
	P0002	W2-5
BIOB06Y	L01	MW2
	P0001	T10-1
	P0002	W10-1
BIOB08Y	L01	MW12
	P0001	R10-1
	P0002	R2-5
BIOB11Y	L01	MW1
	P0001	F10-1
BIOB12Y	L01	MW4
	P0001	M10-12
	P0002	R2-4
BIOB24Y	L01	MW11
	P0001	T10-1
	P0002	T2-5
	P0003	T6-9
BIOB15Y	L01	MW1
	P0001	T2-5
BIOB17Y	L01	MW1
	P0001	M2-5
	P0002	T9-12
	P0003	T2-5
	P0004	W10-1
	P0005	M6-9
BIOB19S	L01	T2-4
	P0001	F9-5
BIOB20F	L01	MF1
	P0001	R9-12
BIOB22Y	L01	TR9
	P0001	R10-1
	P0002	R2-5

BIOB23Y	L01	R2-4
	P0001	W10-1
	P0002	W2-5
BIOB27Y	L01	M10
		W10
	P0001	F9-12
	P0002	F2-5
BIOB31F	L01	W2-4
	LABS	TBA
BIOB41Y	L01	F1-3
	P0001	W2-5
BIOB43Y	L01	MW9
	P0001	M2-5
BIOB47Y	L01	T2-4
	P0001	F1-5
BIOC01Y		TBA
BIOC02Y		TBA
BIOC09F		TBA
BIOC10F	L01	T11-1
	P0001	M2-5
BIOC14S	L01	M1
		W1
	P0001	W6-9E
CHMA02Y	L01	MW9
	L02	MW11
	P0001	M1-5
	P0002	W1-5
	P0003	R1-5
	P0004	F12-4
CHMB01Y	L01	M1
		F1
	T0001	F11
*CHMB02Y	L01	T4
	P0001	M9-12
	P0002	M2-5
	P0003	F10-1
	P0004	F2-5
CHMB03Y	L01	M2-4
		W3
CHMB05Y	L01	M12
		F9
	P0001	T9-1
	P0002	W9-1
	P0003	R1-5
CHMC01Y	L01	R3-5
	P0001	T10-5
CHMC02Y	L01	W2-4
	P0001	T10-5
CHMC03Y	L01	M12
		W12
	P0001	R9-12
CHMC45Y		TBA
CHMC46Y		TBA
CHMC47		TBA
CHMC48S		TBA
CHMC49S		TBA
CHMC50S		TBA
CLAB01Y	L01	WF12
CLAB02Y	L30	T7-9E
CLAB21Y	L01	MW11
COMA01Y	L01	M11
		W10-12
	L02	T9-11
	L03	T1R1-3
	L04	R9-11
	L30	T7-10E
	T0001	M3

* 6 hours laboratory per week

COMB01Y	L01	TR11
	L02	R9-11
	L30	R7-10E
COMC01Y	L01	T2
		R2-4
COMC03Y	L01	F10-12
COMC15Y	L30	W7-10E
COMC30Y	L01	T10-12
CSCA56F	L01	MW2
	L30	M7-9E
	T0001	M3-5
	T0002	T9-11
	T0003	T2-4
	T0004	W11-1
	T0005	W3-5
	T0006	R9-11
	T0007	R11-1
	T0008	R1-3
	T0009	F11-1
	T0010	F2-4
	T0011	T11-1
	T0012	W9-11
	T0013	R3-5
	T3001	W7-9E
CSCA58F	L01	MW2
	T0001	M3-5
	T0002	T9-11
	T0003	R9-11
	T0004	R11-1
	T0005	R3-5
CSCA66S	L01	MW2
	T0001	M3-5
	T0002	W3-5
	T0003	R9-11
	T0004	F11-1
	T0005	R10-12
CSCA68S	L01	MW2
	T0001	M3-5
	T0002	T9-11
	T0003	R9-11
	T0004	R11-1
	T0005	R3-5
	T0006	F2-4
CSCB28S	L01	M11-1
		W12
CSCB68F	L01	M11-1
		W12
CSCB73F	L01	M3
		W9-11
CSCC34F	L01	M1
		W12-2
CSCC44F	L01	M4
		F2-4
DRAB01Y	L01	MWF12-2
DRAB04Y	L01	TR4
DRAC01Y	L01	T1
		R1-3
DRAC10Y		TBA
DRAC11Y		TBA
DRAC12Y		TBA
DRAC13Y		TBA
DRAC14Y		TBA
DRAC20Y-C24Y		TBA
ECOA01Y	L01	MW11
		F11
	L02	MWF12
	L03	MWF1
	L30	T7-10E

	T0101	TBA
	T0201	TBA
	T0301	TBA
	T3000	TBA
ECOB01F	L01	M10
		W10
		F10
	L02	M11
		W11
		F11
	L03	M1
		W1
		F1
	L30	T7-10E
ECOB02S	L01	MWF11
	L02	MWF1
	L30	T7-10E
ECOB05F	L01	MWF10
	L02	MWF12
	L03	M2
		W2-4
ECOB06S	L01	MW9
		F9
	L02	MWF12
ECOB08S	L01	MW4
ECOB11F	L01	M9
		WF9
	L30	W7-10E
	T0001	TBA
	T0002	TBA
ECOB11S	L01	WF1
	T0001	TBA
	T0002	TBA
ECOB12S	L01	MW9
	T0001	TBA
	T0002	TBA
ECOB20F	L01	MW1
ECOB21S	L01	MW12
ECOB31S	L01	MW2
ECOB32F	L01	MW2
ECOB41S	L01	M3
		W3
ECOB45F	L01	MW4
ECOB47S	L01	MW10
ECOB51S	L01	MW4
ECOB61S	L01	MW1
ECOB62F	L01	MW1
ECOB66F	L01	M3
		W3
ECOB68S	L01	MW2
ECOB81Y	L01	MW10
ECOB82Y	L01	MW4
ECOC07F	L01	F12-2
ECOC13F	L01	M12
		W12
ECOC14S	L01	M3-5
ECOC15F	L01	W2-4
ECOC16S	L01	F12-2
ECOC17F	L01	M2-4
ECOC18S	L01	F9-11
ECOC19F	L01	M4-6
ECOC20S	L30	M7-10E
ENGA04Y	L01	MWF10
	L02	MWF10
	L03	MWF12
	L04	MWF1
	L05	MWF1
ENGA08Y	L01	MWF9
	L02	MWF11
	L03	MWF11
	L04	MWF1
	L30	T7-10E
ENGB01Y	L01	M2
		W2-4
ENGB02Y	L01	MWF12
ENGB04Y	L01	MWF10
ENGB05Y	L01	R1-3
ENGB06Y	L01	MWF1
ENGB07Y	L01	MW2
	T0001	F2
	T0002	F2
	T0003	F3
	T0004	F4
	T0005	F4
ENGB08Y	L01	MWF1
ENGB09Y	L01	MW2
		F2
ENGB10Y	L30	M7-9E
	T3001	M4
	T3002	M6E
	T3003	M5
	T3004	M6E
ENGB11Y	L01	MWF9
ENGB12Y	L01	MWF11
ENGB14Y	L30	W7-10E
ENGB15Y	L01	MWF9
ENGB16Y	L01	MWF2
	T0001	R1
	T0002	R1
	T0003	R2
	T0004	R2
	T0005	R3
ENGB26Y	L01	MWF10
ENGB27Y	L01	MWF12
	T0001	R2
	T0002	R3
	T0003	R4
ENGB31Y	L01	R11-1
ENGB32Y	L01	T11-1
ENGB33Y	L01	T9-11
		F3
ENGC04Y	L01	R1-3
ENGC06Y	L01	M3-5
ENGC14Y		TBA
ENGC15Y		TBA
ENGC19S	L01	T9-11
ENGC25F	L01	T9-11
ENGC27Y	L01	R9-11
FARA04Y	L01	TR4
	T0001	F1
	T0002	F2
	T0003	F3
FARA70F	L01	F9-12
	L30	W7-10E
FARA71S	L01	M2-5
	L30	W7-10E
FARB20Y	L01	R11-1
FARB13F	L01	T2-4
FARB14S	L01	T2-4
FARB24Y	L01	T1
		R1-3
FARB28Y	L30	T7-9E
FARB42Y	L01	R3-5
FARB44Y	L30	R7-9E
FARB70F	L01	T9-12
FARB72F	L01	W9-12
FARB74S	L01	W9-12
FARB75Y	L01	F1-4

FARB82F	L01	W1-4
FARB83S	L01	W1-4
FARB90F	L01	R4
FARB91S	L01	R4
FARC02F	L01	TBA
FARC03S	L01	TBA
FARC04Y	L01	TBA
FARC09F	L01	T9-11
FARC14F	L01	R3-5
FARC10F	L01	TR1
FARC17Y	L01	T11-1
FARC21Y	L01	T4
FARC22Y	L01	T4
FARC24F	L01	TBA
FARC25S	L01	TBA
FREA00A	L01	MTWR4-6
FREA00Y	L01	MTWF2
	P0001	TBA
FREA01Y	L01	MWF9
	L02	MWF9
	L03	MWF10
	L04	MWF10
	L05	MWF11
	L30	T6:30-9E
	P0001	TBA
	P3001	TBA
FREA01B	L01	MTWR4-6
FREA02Y	L01	TR9
	L02	TR10
FREB01Y	L01	MWF10
	L02	MWF12
	L03	MWF1
FREB04F	L01	MWF11-1
FREB05S	L01	MWF11-1
FREB20Y	L01	M4-6
		W4
FREB25Y	L01	MF12
FREB29F	L01	TR1
FREB30F	L01	MF12
FREB31S	L01	MF12
FREB32F	L01	MW1
FREB33S	L01	MW1
FREB38F	L01	TR11
FREB70Y	L01	WF11
FREB80F	L01	MF3
FREB81S	L01	MF3
FREC01Y	L01	MWF12
	L02	MWF1
FREC02F	L01	TBA
FREC03S	L01	TBA
FREC04F	L01	TBA
FREC05S	L01	TBA
FREC06F	L01	TBA
FREC07S	L01	TBA
FREC24S	L01	TR1
FREC25Y	L01	MF10
FREC34F	L01	MW9
FREC39S	L01	TR11
FREC60F	L01	T2-4
FREC90Y	L01	TBA
GERA10Y	L01	MWF9
		R9
	P0001	M2
	P0002	W2
GERB20Y	L01	MWF10
	L02	MWF12
	P0101	M3
	P0102	W3
	P0201	M4
	P0202	W4
GERB33S	L01	MWF10
GERB30Y	L01	MWF1
GERB50S	L01	MWF12
GERB40Y	L01	W2-4
GERB56S	L01	MWF4
GERB66F	L01	MWF10
GERB60S	L01	MWF10
GERB76F	L01	MWF12
GERC08Y	L01	TBA
GERC20Y	L01	MWF11
GERC23F	L01	MWF10
GERC30F	L01	TBA
GERC33F	L01	TBA
GERC43F	L01	TBA
GERC10Y	L01	MWF1
GERC36S	L01	TBA
GERC40S	L01	TBA
GERC46S	L01	TBA
GGRA04Y	L01	M10-12
	T0001	M2
	T0002	M3
	T0003	M4
GGRA05Y	L01	T9-11
	P0001	W11-1
	P0002	W1-3
	P0003	W3-5
GGRB01Y	L01	MW11
GGRB02Y	L01	R11-1
	P0001	T1-3
	P0002	R3-5
GGRB03Y	L30	T7-10
GGRB05Y	L01	T11-1
	T0001	T3
	T0002	R1
GGRB13Y	L01	R2-4
GGRB15Y	L01	W3-5
	P0001	T9-11
	P0002	R9-11
GGRB16Y	L01	F9-12
GGRB17Y	L01	R9-11
GGRB18Y	L01	MR9
GGRB19Y	L01	T3-5
	P0001	M1-3
	P0002	W3-5
GGRB20Y	L01	T2-4
		R10
GGRB21S	L01	W9-11
	T0001	M1-4
	T0002	W1-4
GGRB22F	L01	W9-11
	T0001	W11
GGRB23Y	L30	R7-9
GGRC01Y	L01	TBA
GGRC04S	L01	R9-11
GGRC06S	L01	M1-3
GGRC07S	L01	T10-12
GGRC12F	L01	T10-12
GGRC13F	L01	T2-4
GGRC15Y	L01	R1-3
GGRC20F	L01	M10-12
GGRC21F	L01	M1-3
GGRC23F	L01	W9-11
GGRC24S	L01	W9-11

```
GGRC25S L01   T9-11
        P0001 T12-2
GLGA01Y L01   W2-4
        P0001 M9-11
        P0002 M11-1
        T0001 R11-1
        T0002 R12-1
GLGAO2S L01   T9-11
GRHB01Y L01   M2W2-4
GRHBO3Y L01   T4-6
        T0001 W2
        T0002 W3
GRHB27Y L01   T11-1
GRKA01Y L01   MTWF2
GRKA10F L01   MWF9
GRKB01S L01   MWF9
GRKB30-
   B34F L01   TBA
GRKB35-
    39S L01   TBA
GRKB40Y L01   TBA
HISA01Y L01   TR12
        T0001 M9
        T0002 M9
        T0003 M9
        T0004 M9
        T0005 M11
        T0006 M11
        T0007 M11
        T0008 M11
        T0009 M12
        T0010 M12
        T0011 M1
        T0012 M1
HISB02Y L01   TR1
        T0001 M2
        T0002 M2
        T0003 M3
        T0004 M3
        T0005 M4
        T0006 M4
HISB03Y L01   MW2
        L30   T7-9
        T0001 F12
        T0002 F12
        T0003 F1
        T0004 F1
        T0005 F2
        T0006 F2
        T3001 T5
        T3002 T6
HISB07Y L01   MW3
        L30   W7-9
        T0001 W4
        T0002 F2
        T0003 F3
        T0004 F4
        T3001 W5
        T3002 W6
HISBQ8Y L01   TR4
        T0001 F2
        T0002 F2
        T0003 F3
        T0004 F3
HISB09Y L01   TR3
        T0001 F9
        T0002 F9
        T0003 F9
        T0004 F11
        T0005 F11
        T0006 F11
        T0007 F12
        T0008 F12
        T0009 F12
HISB13Y L01   TR4
        T0001 R9
        T0002 R10
HISB15Y L01   T11-1
        T0001 T2
        T0002 T3
HISB17Y L01   T9-11
        T0001 W11
        T0002 W12
        T0003 W1
HISB18Y L01   TR9
        T0001 T1
        T0002 T2
HISB21F L30   M7-9E
HISB22S L30   M7-9E
HISB31Y L01   T11-1
        T0001 R2
        T0002 R3
HISB35Y L01   R9-11
        T0001 R12
        T0002 R1
HISB43Y L01   TR12
        T0001 W11
        T0002 W12
        T0003 W1
HISB47Y L01   T1R1-3
        T0001 T9
        T0002 T10
HISB61Y L30   M7-9E
        T3001 M5
        T3001 M9
HISC01Y L01   TBA
HISC02S L01   TBA
HISC03Y L01   TBA
HISC14Y L01   T9-11
HISC17Y L01   R3-5
HISC21Y L01   R9-11
HISC32Y L01   R11-1
HISC44Y L30   R7-9
HISC45Y L01   TR4-5:30
HISC62Y L01   T9-11
HISC78Y L01   R11-1
HUMA01Y L01   M4-6
        T0001 T11
        T0002 T12
        T0003 T1
        T0004 F10
HUMA10Y L01   R9-11
        T0001 R11
        T0002 R12
HUMBO1F L01   MWF4
HUMB02F L01   T3-5
HUMB03Y L01   MF3
HUMB08Y L01   M4-6
HUMB10S L01   MW10
HUMB20Y L01   T11-1
        T0001 T9
        T0002 T10
```



```
HUMB22F L01   MW10
HUMB24F L01   MW10
HUMB51S L01   T2-4
HUMC10H L01   TBA
HUMC25Y L01   T1-3
HUMC95-
   C99Y L01   TBA
ITAA01Y L01   MWF10
ITAA02F L01   T10
              R10
              +TBA
ITAAO3S L01   MWF11
ITAA11Y L01   MWF10
ITAB01Y L01   MWF10
        L30   R7-10
ITAB03F L01   MWF11
ITABO6S L01   MWF11
ITAB12S L01   MWF12
ITAB21Y L01   MWF1
ITAB31Y L01   T1R1-3
ITAB32F L01   M2W2-4
ITAB36S L01   T10
              R10
              +TBA
ITAB43F L01   MWF11
ITAB44F L01   MWF12
ITAB50-
    54F L01   TBA
ITAB55-
    59S L01   TBA
ITAB60Y L01   TBA
ITAC01Y L01   T11-1R11
JBCB35Y L01   TR12
JBCB36H L01   M4
        P0001 W2-5
JCEB54S L30   W7-10E
JCEB72F L01   MWF12
JCEB73S L01   MWF12
JCECO2Y L01   R9-11
JCSB27Y L01   TF2
        L30   W7-10E
        T0001 T4
        T0002 F9
JHDB12Y L01   T10-12
        T0001 R9
        T0002 R10
JHIB90S L01   W6-10
JLPB55F L01   MWF1
JMCC31F L01   W9-11
JMCC48S L01   W12-2M1
JMCC51S L01   M9F9-11
JMPB50F L01   MW11
              F11
JMPB51S L01   MW11
              F11
JPAC10Y L01   T3-5
JPMC42S L01   T11
              F10
LATA01Y L01   MTWF2
LATB01F L01   MWF12
LATB02S L01   MWF12
LATB21F L01   TBA
LATB30-
   B34F L01   TBA
LATB35S L01   TBA
LATB39S L01   TBA
LATB40Y L01   TBA
LATC01F L01   TBA
LATC02S L01   TBA
LINA01Y L01   MWF9
LINA04S L30   W7-10
LINB02F L01   MWF12
LINB04S L01   MWF12
LINB07Y L01   T11-1
LINB09S L01   MWF11
LINB11Y L01   MWF10
LINB15S L01   MWF1
LINB26S L01   MW12
              +TBA
LINB27F L01   MWF11
LINC01F L01   TBA
LINC02S L01   TBA
LINC03F L01   TBA
LINC04S L01   TBA
LINC05Y L01   TBA
LINC12F L01   MW12
              +TBA
MATA22Y L01   MF9
        L02   MF10
        T0001 M11-1
        T0002 M11-1
        T0003 M3-5
        T0004 T9-11
        T0005 T3-5
        T0006 W9-11
        T0007 W3-5
        T0008 R9-11
        T0009 R3-5
        T0010 F11-1
        T0011 F3-5
MATA26Y L01   MF10
        L02   MF9
        L03   MF10
        L30   T7-9E
        T0001 M11-1
        T0002 M11-1
        T0003 M3-5
        T0004 T9-11
        T0005 T3-5
        T0006 W9-11
        T0007 W3-5
        T0008 R9-11
        T0009 R3-5
        T0010 F11-1
        T0011 F3-5
        T3001 R7-9
MATA40F L01   TR9
        L02   TR1
        T0001 M3-5
        T0002 T11-1
        T0003 W9-11
        T0004 W3-5
        T0005 R11-1
        T0006 R3-5
        T0007 F11-1
        T0008 F1-3
MATA45S L01   TR9
        T0001 M3-5
        T0002 T11-1
        T0003 W9-11
```

```
          T0004 W3-5
          T0005 R11-1
          T0006 R3-5
          T0007 F11-1
          T0008 F1-3
MATA55Y L01   M10F9-11
          T0001 T9-11
          T0002 T3-5
          T0003 R11-1
          T0004 R3-5
MATB25Y L01   T12
              R3-5
MATB40F L01   M2W2-4
MATB41F L01   MF4
          T0001 M2-4
          T0002 T2-4
          T0003 W3-5
          T0004 R9-11
          T0005 R1-3
          T0006 W11-1
          T0007 F1-3
          T0008 T9-11
MATB42S L01   MF4
          T0001 M2-4
          T0002 T2-4
          T0003 R9-11
          T0004 R3-5
          T0005 F1-3
MATB45S L01   M2W2-4
MATB50F L01   T9R9-11
MATB51F L01   M10-12F11
MATB52F L01   TR1
          T0001 T9
          T0002 W10
          T0003 R9
          T0004 R3
          T0005 F10
MATB55S L01   T9R9-11
MATB56S L01   M10-12F11
MATB57S L01   TR1
          T0001 T9
          T0002 W10
          T0003 R9
          T0004 R3
MATB70S L01   T11R11-1
MATC32S L01   M2-4F1
MATC41F L01   M10-12F11
MATC44F L01   M12F12-2
MATC49S L01   M12 F12-2
MATC52F L01   T9R9-11
MATC53Y L01   R1-3F4
MATC54F L01   M9R11-1
MATC57S L01   T9R9-11
MATC60F L01   M3R3-5
MATC65S L01   M3R3-5
MUSA01Y L01   M2
              W2-4
MUSBO4F L01   MW11
MUSBO5S L01   MW11
MUSB09H L01   TBA
MUSB10H L01   TBA
MUSB11F L01   TR11
MUSB13S L01   TR11
NSCA02Y L01   MW9
NSCA03Y L01   M3-5
PHLA01Y L01   M2
              W2-4
          L02   T9
                R9-11
          L03   T1
                R1-3
          L30   M7-10
PHLB01F L01   T9-11
                R9
PHLB02S L01   T9-11
                R9
PHLB03F L01   R11-1
          T0001 T11
PHLB04F L30   W7-10E
PHLBO5F L01   M2
                W2-4
PHLB12F L01   R3-5
          T0001 T3
PHLB17S L01   R3-5
          T0001 T3
PHLB30S L30   W7-10E
PHLB40F L01   M2
                W2-4
PHLB41S L01   M2
                W2-4
PHLB48F L30   T6-9E
PHLB49S L30   T6-9E
PHLB60S L01   T1
                R1-3
PHLB61F L01   T1
                R1-3
PHLB70F L01   T1-3
PHLB81S L01   R11-1
          T0001 T11
PHLB88F L01   T4
                R3-5
PHLC87S L01   T1-3
HHLC88S L01   T9-11
PHLC89S L01   R11-1
PHLC95F L01   TBA
PHLC95S L01   TBA
  -C98F L01   TBA
PHLC98S L01   TBA
PHLC99Y L01   TBA

PHYA01Y L01   TF11
          T0001 T9
          T0002 T10
          T0003 T10
          P0001 T1-4
PHYA02Y L01   TF11
          L02   TF12
          T0001 W1
          T0002 W2
          T0003 W3
          T0004 W4
          P0001 M2-5
          P0002 T9-12
          [redacted]
          P0004 R9-12
          P0005 F2-5
PHYB01Y L01   TF2
          T0001 T11
          T0002 T12
PHYBO4F L01   T10F9
          T0001 F10
PHYB06Y L01   TF3
          T0001 T1
          T0002 T2
PHYBO8H L01   W9-3
```



```
PHYBO9S L01   M2-4W3
PHYB17S L01   T10
                F9
          T0001 F10
PHYB18F L01   F12
                T4
PHYC01Y L01   TF1
PHYC03Y L01   TF2
PHYC05H L01   W9-3
PHYC06F L01   TF9
P0LA01Y L01   T11
                R11
          T0001 T1
          T0002 T2
          T0003 R1
          T0004 R5
P0LA02Y L01   TR4
          T0001 R2
P0LB01Y L01   TR12
          T0001 T2
          T0002 T3
P0LB03Y L01   W3-5
P0LB05Y L30   M7-10E
P0LBO6Y L01   T2-4
P0LB10Y L01   TR1
P0LB12Y L30   W7-10E
P0LB19F L01   T2-4
P0LB23Y L01   R11-1
P0LB24Y L30   T7-10E
P0LB26Y L01   T11-1
P0LB29Y L01   W10-12
P0LB30Y L01   M12-2
P0LB36Y L01   W2-4
P0LB38Y L01   R3-5
P0LB39Y L01   W12-2
P0LC04F L01   TBA
P0LC05S L01   TBA
P0LC06Y L01   R3-5
P0LC14S L01   W2-4
P0LC15Y L01   W2-4
PSYA01Y L01   MWF9
          L02   MWF10
          L03   MTF3
          L30   W7-10E
          P0001 T9-11
          P0002 T11-1
          P0003 W10-12
          P0004 W12-2
          P0005 R10-12
          P0006 R12-2
          P0007 F1-3
          P3001 T7-9E
          P3002 W5-7E
PSYB07F L01   T12
                MWF1
          T0001 W3
          T0002 W4
          T0003 R10
          T0004 R11
          T0005 R12
          T0006 R2
PSYB08S L01   MWF1
          T0001 R12
          T0002 R3
PSYB09F L01   T1
                R1-3
          P0001 M2-5
          P0002 T2-5
          P0003 R9-12
 PSYB10F L30   T7-10E
          T3001 M3
          T3002 T10
          T3003 W4
          T3004 R2
          T3005 T6
          T3006 T6
          T3007 T9
          T3008 T9
 PSYB10S L01   MW2
          T0001 M11
          T0002 M12
          T0003 T12
          T0004 T2
          T0005 W10
          T0006 W12
          T0007 R11
          T0008 R1
PSYB11F L01   T2-5
PSYB12S L30   T7-10E
PSYB20F L01   MW2
          T0001 M11
          T0002 M12
          T0003 T12
          T0004 T2
          T0005 W10
          T0006 W12
          T0007 R11
          T0008 R1
PSYB20S L30   R7-10E
          T3001 M3
          T3002 T10
          T3003 W4
          T3004 R2
          T3005 R6
          T3006 R6
          T3007 R9
          T3008 R9
PSYB30S L01   M3
                W3
                R3
PSYB32F L30   W7-10E
PSYB32S L30   W7-10E
PSYB40F L01   R9-11
          P0001 W2-5
          P0002 F10-1
PSYB45F L30   R7-10E
PSYB50F L30   T7-10E
PSYB52S L01   M10-12
                F11
          P0001 M10-12
          P0002 M2-4
PSYB57S L01   T1
                R1-3
PSYB60F L01   R11-1
          T0001 T11
          T0002 T3
          T0003 F11
PSYB61S L01   T12
                R11-1
PSYB62Y L01   T2-4
          P0001 W10-1
          P0002 F12-3
```

PSYB65S	L30	R7-10E
PSYB70S	L01	T10-12
		R10
PSYC15S	L01	T3-5
PSYC20F	L01	R3-5
PSYC22S	L01	T9-11
PSYC40S	L01	R9-11
PSYC53F	L01	T9-11
PSYC56F	L01	M10-12
		F11
PSYC60S	L01	TR1
PSYC80S	L01	M7-10E
PSYC85F	L01	T1
		R1-3
PSYC90-	L01	TBA
PSYC93	L01	TBA
PSYC98Y	L01	M2-4
RUSA01Y	L01	T1
		R1-3
RUSA10Y	L01	R11-1
		T9-11T3
RUSB02Y	L01	MW2-4
RUSB11Y	L01	T11-1
RUSB23Y	L01	R9-11
RUSB24F	L01	TBA
RUSC02F	L01	TBA
RUSC03S	L01	TBA
RUSC04H	L01	TBA
SOCA01Y	L01	MWF4
	L02	TR10
	L30	M7-10E
SOCB01Y	L01	TR10
	T0001	R2
	T0002	R1
SOCB02Y	L01	TR11
	T0001	T1
	T0002	R1
SOCB03Y	L01	T11-1
	T0001	R3
	T0002	R4
SOCB04Y	L01	TR1
SOCB05Y	L01	T4
		R3-5
SOCB06F	L01	M2
		W2-4
SOCB07Y	L01	TR11
	L30	M7-10E
	T0001	T2
	T0002	T3
SOCB10Y	L01	T9-11
	T0001	W11
SOCB11Y	L01	MF11
	T0001	W12
	T0002	W4
SOCB12Y	L01	TF2
	T0001	M9
	T0002	M12
	T0003	M12
	T0004	M3
	T0005	M3
SOCB14Y	L01	R11-1
	T0001	F1
SOCB16Y	L01	TR12
SOCB18Y	L01	T2-4
		R3
	T0001	W12
SOCB20Y	L01	MW11
	L30	R7-10E
	T0001	M3
	T0002	M4
SOCC03F	L30	T7-10E
SOCC04S	L30	W7-10E
SOCC05Y	L01	T11-1
SOCC07S	L01	T2-4
SOCC09S	L01	R2-4
SOCC10F	L01	T3-5
		R2
SOCC12F	L01	T9-11
SOCC14F	L01	W3-5
SOCC18S	L01	M2-4
SOCC22S	L01	M2
		W2-4
SOCC25S	L01	W2-4
SOCC26S	L30	T7-10E
SOCC27F	L01	W1-3
SOCC28F	L30	M7-10E
SOCC29F	L01	M12
		R11-1
SOCC30Y	L01	TBA
SOCC40Y	L01	TBA
SPAA01Y	L01	MWF10
	L02	MWF10
SPAA01A	L30	TR7-10E
SPAB01Y	L01	MWF11
SPAB01B	L30	TR7-10E
SPAB03S	L01	R1-3
SPAB04F	L01	MWF12
SPAB12S	L01	MWF12
SPAB19Y	L01	MWF1
SPAB25F	L01	M1
		WF1
SPAB29F	L01	W2-4
SPAB34F	L01	R1-3
SPAB36F	L01	MWF11
SPAB38Y	L30	M7-10E
SPAC01Y	L01	MWF10
SPAC02F -C06F	L01	TBA
SPAC07S -C10S	L01	TBA
SPAC11Y	L01	TBA

Room & Telephone Directory

		PHONE	ROOM
Adamec, B.	Psychology	3337	S-540D
Allen, M. (Mrs.)	Bookstore	3251	S-360
Alton, B.S.	Humanities	3205	H-331
Amenta, S.A.	Fine Art	3370	R-3708A
Amis, M. (Mrs.)	Accounting	3103	S-411A
Andrew, E.	Leave of Absence		
Anthropology Teaching Lab.		3137	R-2509A
Archer, B.W.	Teaching Preparation	3353	S-515
Armstrong, B.	Physical Services Office	3327	S-303C
Athletic Association		3395	R-2263
Audio Learning Lab.		3159	S-222
Autton, E. (Mrs.)	Principal's Secretary	3113	S-409
Babiak, H.	Commerce	3115	H-420
Balcony Square		3147	R-3026
Ball, J.L.	Library	3245	S-651A
Bancroft, W.J. (Miss)	French	3315	H-312
Barlow, B.	Psychology	3184	R-4012
Barnett, R. (Mrs.)	Library	3240	S-637
Barta, R.J.	Spanish	3185	H-326
Bassili, J.	Psychology	3339	S-540C
Beals, R.C.	Sociology	3193	H-425
Beckstead, R.W.	Greenhouse	3236/3114	S-702
Benson, J. (Mrs.)	Health Service	3253	S-304
Bergèrson, J. (Mrs.)	Teaching Preparation	3321	S-241
Berry, A.	Economics	3118	R-4104
Biederman, G.B.	Psychology	3211	S-560
Billy, C.	T.C.S. Office	3108	S-202
Binnick, R.I.	Linguistics	3186	H-506
Birsky, J.	Psychology	3337	S-538B
Bissoon, N. (Mrs.)	Teaching Preparation	3210/3224	S-134
Bladen, V.W.	Economics	3153	H-412
Blair, R.S.	Chairman-Div. Social Sci.	3149	H-409
Boddington, A. (Miss)	Classics	3144	H-511
Body, R.	Mathematics	3192	R-4040
Bolotenko, G.	History	3151	H-317A
Boonstra, R.	Zoology	3221	S-543
Bourguignon, F.	Leave of Absence		
Bowie, J. (Mrs.)	Physical Education	3393	R-2255
Bradbury, L.	Technical Services	3282	S-109
Braid, N. (Mrs.)	Bookstore	3251	S-360
Braithwaite, D.	Technical Services	3282	S-109
Bremner, K. (Mrs.)	Registration Assistant	3127	S-415
Breuls, Dr. A.M.	Health Service	3303	S-304A
Bridi, M. (Mrs.)	Academic Secretary	3151	H-332A
Briggs, B.	Geology	3119/3162	S-521
Briggs, N.	Geology	3119/3162	S-521
Brown, I.R.	Zoology	3224	S-540
Brown, R.J.	Psychology	3353	S-513
Brown, R.M.	English	3146	R-5219
Browne, L.L. (Ms)	Drama	3204	S-257
Brumer, P.	Chemistry	3227	S-534
Bryan, R.	Geography	3301	R-5006
Buckingham, A. (Mrs.)	Connaught Dev. Group	3132	S-302B
Bucovetsky, M.W.	Economics	3153	H-417
Bunce, M.F.	Geography	3130	R-5710
Burson, M.	History	3182	R-5207
Burton, Frances D.	Anthropology	3252	H-424
Burza, J.	Technical Services	3282	S-109
Bus Drivers		3272	S-200A
Butler, S. (Ms)	English	3185	H-324
Butler, L.	Zoology	3184	R-4010

		PHONE	ROOM
Cafeteria	T. Pino, Chef Manager	3110	
Callahan, T.	Mathematics	3194	R-4016
Campbell, D.E.	Economics	3153	H-419
Campbell, I.M.	Zoology (Leave of Absence Spring/78)	3210	S-550A
Campbell, J. (Ms)	Fine Art	3307	R-3237
Campbell, K.	Psychology	3329	R-3008
Carlin, M.	Fine Art	3307	R-3237
Carney, L. (Ms)	Fine Art	3307	R-3233
Caton, C. (Mrs.)	Assistant to the Principal	3243	S-407D
Caudarella, M.	Psychology	3329	R-3008
Cave, P.	Geography	3326	R-5708
Champion, Victoria	Student Serv. Officer	3292	S-418C
Chawla, S.	Mathematics	3378	R-4031
Cheng, F.	Teaching Preparation	3283	S-132A
Chiang, G.	Biology	3215	S-422
Chiang, Y. (Ms)	Chemistry	3336	S-511A
Chicoy-Daban, I.	Spanish	3185	H-328
Cho, K. (Mrs.)	Academic Secretary	3237	S-521B
Chwang, W.K.	Zoology	3210	S-550A
Cober, R.J.	Purchasing Agent	3207	1069MTr
Cohen, J.	Leave of Absence		
Colman, S.J.	Political Science	3168	R-5227
Colton, T.	Political Science	3170	R-5243
Compana, J.	Italian	3307	R-3235
Computer Terminal		3122	S-624
Connery, M. (Mrs.)	Library	3317	S-504
Control Room	Physical Education	3392	R-1115
Cook, I. (Mrs.)	Purchasing	3209	1069MTr
Cooper, T.	Music	3126	S-356
Corben, B. (Mrs.)	Director-Writing Lab.	3369	R-5223
Corben, H.C.	Physics	3194	R-4217
Corbett, J.	Classics	3171	H-520
Corker, D. (Mrs.)	Library	3246	S-503
Cote, P.	History	3175	H-524
Creelman, M. (Ms)	Leave of Absence		
Cross, S.	Animal Technician	3239	S-609
Cupchik, G.	Psychology	3184	R-4006
Curri, G. (Mrs.)	Registrar	3266	S-413
Curtis, J.A. (Mrs.)	French	3186	H-507
Cwyner, L.	Biology	3155	S-546
Czeczot, J.	Technical Services	3282	S-109
Czerniak, G.	Carpenter	3235	S-105
Damm, E. (Mrs.)	Secty.-Registrar's Office	3359	S-416C
D'Audney, J.	History	3382	R-5007
Davis, A.	Political Science	3168	R-5231
Dawson, T. (Mrs.)	Personnel Office	3140	S-405A
Deavitt, J. (Mrs.)	Library	3202	S-649
DeDominicis, B. (Mrs.)	Secty.-Technical Services Co-ordinator	3131	S-521B
de Lannoy, J-L.	Sociology	3193	H-432
Delver, R.	Mathematics	3352	R-4022
Dematteis, D.L.	English	3370	R-3241
Dengler, R.E.	Botany	3218	S-552
Denny, C. (Mrs.)	Asst.Sup.-Ath. Serv.	3392	R-1115
Derosa, R.	Zoology	3215	S-422

		PHONE	ROOM
De Silva, N.	Biochemistry	3221	S-542
Dreifelds, J.	Political Science	3168	R-5233
Dick, W.M.	History	3197	H-333
Dinner, J.	Philosophy	3178	H-331A
Dion, K.K.	Leave of Absence		
Dobbs, N.H.	Associate Registrar	3139/3292	S-418C
Donnelly, M.	Political Science	3168	R-5231
Doucette, L.E.	French	3205	H-334
Dove, J.E.	Chairman-Physical Sci.	3289	R-4044
Dowler, E.W.	History-Dean Students in Residence	3151	H-317A
Duff, J.	Chemistry	3227	S-534
Dworkin, J.	Geography	3168	R-5245
Dyer, C.	Astronomy	3192	R-4227
Eksteins, M.	History	3258	H-319
Ellers, E.W.	Mathematics	3352	R-4024
Elliott, E.J.	History	3175	H-523
Enright, W.H.	Computer Science	3352	R-4026
Esberey, J. (Miss)	Political Science	3170	R-5229
Evans, C.	French	3178	H-331A
Evans, D.	Philosophy	3144	H-505
Evans, M.	Mathematics	3340	R-4241
Everingham, P. (Miss)	Chemistry	3227/3231	S-532
Fahrun, K.	Technical Services	3282	S-109
Falkenheim, V.	Political Science	3168	R-5235
Farrell, J.	Chemistry	3231	S-435
Farrow, R. (Mrs.)	Library	3107	S-633A
Fattal, T.	Commerce	3118	R-3028
Fennell, J.	Library	3317	S-504
Filosa, M.F.	Biology	3321/3353	S-424,
Fisher, A.	Writing Laboratory	3369	R-5223
FitzGerald, G.A.	Manager-Physical Serv.	3201	S-303
Fitzpatrick, M. (Mrs.)	Health Service	3253	S-304
Fletcher, J.	Political Science	3170	R-5241
Foley, Joan E.	Principal	3111	S-409
Forrin, A. (Mrs.)	Student Services Officer	3292	S-418C
Forrin, B.	Acting Chairman-Life Sciences	3291	S-421A
Foster, V. (Mrs.)	Library	3246	S-503
Fox, T.W. Dr.	Health Service	3303	S-304A
Franceschetti, A.	Italian	3315	H-313A
Fransen, D.	History	3141	H-522
Friedlander, J.	Mathematics	3340	R-4032
Froebel, A. (Mrs.)	Library - Searching	3238	S-635
Fukumoto, K.	Teaching Preparation	3217	S-236
Galimberti, J.	Political Science	3168	R-5235
Gamble, S. (Mrs.)	Library	3317	S-503
Gambles, R.	Botany	3210	S-433
Gardiner, J. (Mrs.)	Bookstore	3251	S-360
Garry, M. (Mrs.)	Academic Secretary	3137	H-411
Gatenby, S.	S.C.S.C. Secretary	3135	R-3042
Gebhard, K.	History	3382	R-5507
Genzinger, K. (Mrs.)	Teaching Preparation		S-225
Gerrard, M. (Miss)	Registration Officer	3300/3127	S-416
Gervers, M.	History	3182	R-5207
Ghyczy, C. (Mrs.)	Teaching Preparation	3213	S-249
Gill, H.S.	Zoology	3353	S-515
Gillies, R.	Commerce	3118	R-3028
Glickman, Y.	Sociology	3170	R-5225

		PHONE	ROOM
Godde-Nijhowne, K. (Mrs.)	Spanish	3346	H-315
Godwin, V. (Mrs.)	Academic Secretary	3237	S-521B
Goldenberg, R.	Psychology	3339	S-540B
Gombay, A.	Exeter Exchange		
Gooch, P.W.	Chairman - Humanities Division	3309	H-528
Goodwin, I. (Mrs.)	Library	3202	S-649
Gornik, M.	Supervisor-Audio/Visual Department	3152/3350	S-339
Gough, W.E.	Commerce	3118	R-3028
Gover, B. (Mrs.)	Academic Secretary	3150	H-525A
Govind, C.K.	Zoology	3224/3215	S-558
Gradowski, D. (Mrs.)	Photography & Graphics	3241	R-3226
Grafstein, D.	Sociology	3193	H-430
Graham, W.C.	Philosophy	3346	H-322
Grant, J.	Leave of Absence		
Greenhouse	3290 Ellesmere Road	3114	
Greenwood, B.	Geography	3301	S-565
Griffin, P.A.	Physics	3352	R-4239
Grossman, S. (Ms)	History	3175	H-523
Grundy, K.R.	Chemistry	3319	S-412
Guchardi, J.	Supervisor-Ath. Serv.	3392	R-1115
Gunderson, M.	Leave of Absence		
Gurd, J.	Biology	3221/3224	S-542
Hadden, K. (Miss)	Botany	3155	S-559
Hall, B.	Fine Art	3307	R-3233
Hall, D.	Mathematics	3378	R-4031
Hall, M.	Mathematics	3378	R-4031
Halperin, J.S.	Mathematics	3340	R-4028
Hammond, M.	Sociology	3170	R-5237
Hannigan, J.	Sociology	3109	H-518
Hans, V.	Psychology	3211	S-569
Harford, D.	Photography & Graphics	3241	R-3226
Head, R.W.	Central Stores	3281	S-112
Heighington, G.	Psychology	3211	S-563
Heikkila, J.	Zoology	3224	S-536
Helliwell, J. (Mrs.)	Secty.-Physical Sci.	3289/3192	R-4704
Henderson, K.	Chemistry	3133	S-162
Hendley, S. (Mrs.)	Secty.-Life Sciences	3291	S-421B
Herzberger, H.	Philosophy	3141	H-526
Hill, B. (Mrs.)	Admin. Assist. - Physical Services	3269	S-303A
Hilmy, S.	Philosophy	3205	H-331
Hiscox, J.	Botany	3224	S-526
Ho, P. (Mrs.)	Library	3183	S-503
Holman, D.	Fine Art	3370	R-3708
Holsman, A.J.	Geography	3326	R-5504B
Holst, B. (Mrs.)	Academic Secretary	3326	R-5111
Holt, N. (Mrs.)	Secty.-Student Services	3292	S-418C
Honig, E.	Physics	3192	R-4227
Hope, June (Sanguin)	Admin. Assist. to the Comptroller	3396	S-406
Hopen, C.E.	Anthropology	3252	H-427
Horbert, W.	Zoology	3215	S-423
Howard, W.J.	English	3279	R-5005
Howell, N.	Leave of Absence		

		PHONE	ROOM
Howson, S.	Economics	3212	R-4229
Humanities Advisory Group		3157	S-302D
Hurd, J. (Mrs.)	Student Services Officer	3292	S-418C
Hussain, A.	Library - Binding	3277	S-629
Idler, M.	Electron Microscopy-Life Science	3335	S-228
Irvine, E. (Mrs.)	Library	3246	S-503
Irwin, M.E. (Ms)	Classics	3171	H-519
Isajiw, W.	Leave of Absence		
Israelstam, G.F.	Botany	3224	S-526
Izzard, B. (Mrs.)	Purchasing	3208	1069MTr
Jack, T.	Chemistry	3133	S-427B
Jackson, H.J. (Mrs.)	English	3146	R-5215
Jackson, K.	Computer Science	3192	R-4225
Jacobs, A.E.	Leave of Absence		
Jamal, K. (Mrs.)	Academic Secretary	3302	H-411
James, D.M.	Linguistics	3171	H-510
James, R.L.	Sociology	3193	H-431
Jennings, C.	Leave of Absence		
Jodhan, T.	Chemistry	3283	S-132
Johnson, K. (Mrs.)	Registrar's Office	3361	S-412B
Karagianis, D.	Electronics	3159	S-109
Kardos, P.	Mathematics	3378	R-4031
Katz, G. (Mrs.)	Italian	3307	R-3235
Kay, J.	English	3182	R-5209
Keast, P.	Leave of Absence		
Kennedy, J.M.	Psychology	3339	S-564
Kenney-Wallace, G.A.	Chemistry	3227	S-533
Kenyon, J.P.B.	History	3175	H-523
Kerrigan, B. (Mrs.)	Div. Social Sciences	3302	H-410
Kerrigan, D.P.	Animal Technician	3239	S-609
Khan, C.	Electronics	3159	S-109A
Kimmerly, M. (Mrs.)	Admin. Assist. - Social Science	3332	H-409A
King, J.D.	Physics	3192	R-4038
Kirkness, W.J.	French	3197	H-335
Kirton, J.	Political Science	3170	R-5241
Klajner, F.	Psychology	3329	R-4008
Kleindienst, M.	Anthropology	3252	H-422
Knight, V. (Mrs.)	Registrar's Office	3127	S-416B
Knightley, L.R.	Chief Engineer	3123	PowerH
Kosachov, N. (Ms)	Russian	3346	H-315
Koshy, K.M.	Chemistry	3318	S-432
Krashinsky, M.	Economics	3153	H-418
Kresge, A.J.	Chemistry	3336	S-511
Kronberg, P.P.	Astronomy	3378	R-4221
Krouglicof, A.	Botany	3210	S-433
Krupa, M.	Anthropology	3118	R-3020
Kukla, A.	Leave of Absence Spring/78		
Kumpunen, J.	Psychology	3339	S-564
Kupka, I.	Leave of Absence		
Kwan, H.	Library	3246	S-503
Laaniste, J.	Phys. Ed.-Asst. Director	3393	R-2261
Lakhani, G. (Mrs.)	Library	3246	S-503
Latta, M.	Anthropology	3153	H-428B
Laurence, H.	Anthropology	3252	H-421

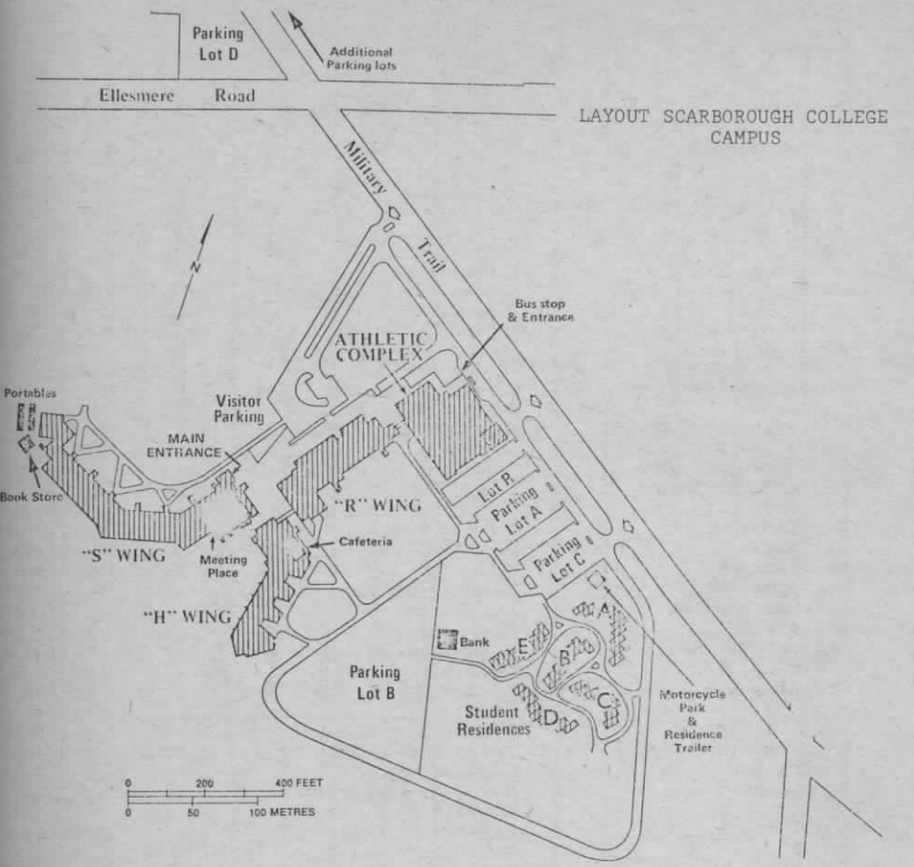
		PHONE	ROOM
Lawson, E. (Mrs.)	Secty.- Admin. Assist. to the Principal	3243	S-410D
Le, L. (Mrs.)	Library	3183	S-647A
Leah, P.J.	Mathematics	3340	R-4034
Lee, H.	Psychology	3353	S-513
Lee, J.A.	Sociology	3109	H-517
Lee, K.	Botany	3218	S-553
Lee, M.J.G.	Physics	3194	R-4219
Lee, S.W.	Zoology	3224	S-536
Legge, R.E.	Glassblower	3148	S-109B
Leon, P.	Spanish	3186	H-507A
Library Storage Houses	3290 & 3316 Ellesmere	3265	
Lodhi, A.	Sociology	3193	H-428
Logsdon, M. (Mrs.)	Postmistress	3271	P.O.
Lombardi, M.	Zoology	3224	S-536
Long, T. (Ms)	Leave of Absence		
Lopez, E.	Audio/Visual Tech.	3152/3350	S-341
Lowrey, C. (Ms)	Slide Curator	3146	R-5111B
Lyons, P.	Psychology	3184	R-4012
MacDonnell, N.	Storekeeper-Central Stores	3281	S-112
MacLean, M.	History	3382	R-5007
MacLeod, D.	History	3175	H-524
Magee, L.	Psychology	3339	S-564
Main, M. (Ms)	French	3179	R-5211
Mann, R.	Supervisor-Bldg. Serv.	3285	S-212A
Manzer, R.A.	Political Science	3170	R-5241
Margeson, J.M.R.	English	3175	H-521
Marnoch, G.	Locksmith	3235	S-107
Mathematics Centre			R-4710
Martin, P.G.	Astronomy	3352	R-4235
Matthews, M.	English	3179	R-5012
Mawson, N. (Mrs.)	Admin. Assist.-Residences	3174	S-303I
McAuliffe, D.J.	Italian	3334	R-3243
McAuliffe, J. (Ms)	Humanities	3178	H-331A
McClelland, R.A.	Chemistry	3318	S-532
McConnell, G.	Greenhouse	3236	S-702
McDonald, I.R.	Classics	3205	H-329
McEwen, S. (Ms)	English	3315	H-313
McFeat, T.	Anthropology (Leave of Absence Spring/78)	3252	H-421
McGee, T.	Music	3126	S-356
McGing, B.	Classics	3178	H-331A
McGregor, E. (Mrs.)	Graphics & Photography	3328	R-3226
McKay, W.	History	3141	H-522
McKoon, G.	Leave of Absence		
McLean, A. (Miss)	Secty.-Phys. Ed.	3393	R-2255
Meiss, D.	Zoology	3215	S-422
Mendelsohn, E.	Mathematics (Leave of Absence Spring/78)	3192	R-4036
Mignault, L.	Leave of Absence		
Miki, B.	Biology	3224	S-536
Miki, C.	Biology	3224	S-536
Milgram, N.W.	Leave of Absence		
Milord, J.	Psychology	3337	S-538B
Mirejovsky, P.	History	3382	R-5007
Miron, J.	Geography	3130	R-5706
Mittler, S. (Miss)	French	3151	H-323

		PHONE	ROOM
Moenck, R.T.	Computer Science	3194	R-4223
Moes, P.C.	French	3178	H-325
Moggridge, D.	Economics	3115	H-416
Moir, J.S.	History	3175	H-524
Montgomery, B. (Mrs.)	Secty.-Office of Information Assistant	3243	S-407A
Montgomery, L.A.	Technical Services Co-ordinator	3131	S-521C
Moore, E.	Mathematics	3378	R-4031
Moreland-Davies, J.	Anthropology	3136	H-423
Morris, G. (Mrs.)	Library - Searching	3238	S-635
Morrison, J.C.	Philosophy	3144	H-505A
Mosher, D.L.	Philosophy	3144	H-505
Mugnier, F. (Ms)	French	3179	R-5211
Muia, R. (Mrs.)	Admiss.Off/High School Liaison	3359	S411B
Mulgrave, N. (Miss)	Audio/Visual Dept.	3152/3350	S-338D
Murrill, E.I. (Mrs.)	Admin. Asst.-Accounting	3293	S-410A
Murrill, M.F.	Comptroller	3106	S-408
Nalewajko, C. (Sparling)	Botany	3218	S-551A
Namjoshi, Suniti	English	3182	R-5213
Neumann, H.	History	3382	R-5007
Ng, C. (Mrs.)	Biology	3337	S-540D
Ng, W. (Miss)	Registrar's Office	3361	S-412B
Nicholson, T.	Library	3154	S-223C
Nimmo, D.	Teaching Learning Unit	3181	S-302D
Norman, J. (Mrs.)	Library	3277	S-627
O'Donnell, P.J.	Physics	3192	R-4042
Ohlendorf, H.	German	3197	H-330
Onwood, D.P.	Chemistry		R-3014
Ostry, D.	Psychology	3218	S-570
O'Toole, R.	Sociology	3109	H-516
Ott, W. (Mrs.)	Bookstore - Buyer	3354	S-360
Overend, B. (Mrs.)	Academic Secretary	3151	H-332A
Oxtoby, W.G.	Humanities	3205	H-331
Pallandi, T.	Director-Phys. Ed.	3121	R-2251
Parker, I.	Economics	3212	R-5008
Parry, B.	Computer Terminal	3122	S-624
Patenall, A.J.G.	English	3185	H-324
Pauker, J.	Psychology	3339	S-540B
Pearl, J.L.	History	3314	H-315A
Pearsall, R. (Mrs.)	Registration Assistant	3127	S-415
Pearson, L. (Mrs.)	Admin. Assist. - Registrar's Office	3359	S-412A
Peek, E.	Mathematics	3378	R-4031
Peek, W.	Zoology	3329	R-4014
Perrault, C.R.	Computer Science	3194	R-4018
Perz, J.M.	Physics	3231	S-525
Petit, T.	Psychology	3321	S-557
Pfohl, J. (Miss)	Library	3246	S-503
Physical Geography Research	Laboratory	3301	S-436
Physical Geography Teaching	Laboratory	3301	S-312
Pick, F.	Botany	3218	S-553
Pickett, C.	Biology	3321/3353	S-517,
Pickup, L. (Mrs.)	Academic Secretary	3150	H-525A
Pidgeon, M.	Geography, Research Asst.	3130	R-5226
Pierce, S.J.	Mathematics	3340	R-4030
Pilskalnietis, M.A. (Mrs.)	Phys. Ed.-Asst. Director	3294	R-2259

		PHONE	ROOM
Plitz, D. (Mrs.)	Registrar's Office	3300/3127	S-416A
Poapst, J.	Commerce	3115	H-428A
Ponomareff, C.V.	Russian	3258	H-320
Poppleton, T.	Draftsman	3327	S-303D
Potter, J.	Chemistry	3133	S-162
Powell, B. (Ms)	Philosophy	3144	H-505A
Powell, M.	Chemistry	3336	S-428
Power Station		3273	
Price, A.	Geography	3301	S-567
Prociuk, Ihor	Computing Co-ordinator	3173	S-630
Radecki, H.	Sociology	3109	H-515
Radio Scarborough		3356/3143	S-203
Ralphs, M. (Miss)	Registrar's Office	3127	S-416B
Ramcharitar, H.	Audio/Visual Mtce.	3152/3350	S-265
Ramsey, R.H.	English	3179	R-5010
Reception Desk	Main Entrance	3333/3398	
Registration General Enquiry		3300	
Reid, C.	Academic Secretary	3329	S-521B
Reid, J. (Mrs.)	Library - Periodicals Section	3240	S-637
Relph, E.	Geography	3326	R-5712
Rice, S.A.	Chemistry	3231	S-435
Richardson, B	Psychology	3337	S-540D
Richardson, G.P.	Humanities	3144	H-505
Richardson, P. (Mrs.)	Post Office	3271	
Ritchie, J.C.	Botany	3155	S-546
Roberts, S.	Accounting	3103	S-411A
Robertson, I.R.	Leave of Absence		
Roeder, R.C.	Astronomy	3352	R-4233
Rogers, S.	Zoology	3353	S-515
Rubin, N.	Music	3126	S-356
Rubinoff, A.	Political Science	3168	R-5233
Ruddell, E. (Mrs.)	Bookstore	3251	S-360
Russell, C. (Mrs.)	Fees Counsellor	3116	S-407
Ryall, M. (Mrs.)	Health Service	3253	S-304
S.A.C.		3219	R-2000
S.O.A.P.		3196	R-2000
Salus, M.W.	Connaught Dev. Group	3132	S-302C
Salus, P.H.	Connaught Dev. Group	3132	S-302C
Sandbrook, K.R.J.	Political Science	3168	R-5239
Sanguin	See Hope		
Sarson, J.	Bldg. Services Officer	3285	S-212B
Sauer, E.	History	3141	H-522
Sawchuk, L.	Anthropology	3137	R-2507
Scadding, J.	Economics	3153	H-415
Scavizzi, G.	Fine Art	3334	R-3239
Schaerer, B. (Miss)	Academic Secretary	3279	R-5111A
Shaikk, A.A.	Zoology	3353	S-515
Scholtens, A. (Mrs.)	Library	3246	S-503
Schonberg, M.	Drama	3126	S-259
Schroeder, H.B.	Anthropology	3136	S-311,
Schuyffel, P.H.	Electronics	3159	S-109A
Schwimmer, E.G.	Leave of Absence		
Shank, C.	Printing Department	3108	S-202
Sharpe, R.W.	Mathematics	3194	R-4020
Sharpe, S.	Chemistry	3133	S-162
Shaw, M.C. (Mrs.)	Fine Art	3307	R-3237
Sheps, A.N.	History	3314	H-321

		PHONE	ROOM
Shirley, R.W.	Anthropology	3252	H-426
Shum, D.	Mathematics	3378	R-4031
Sidon, E.	Biology	3215	S-423
Siebelhoff, R.	Leave of Absence		
Sieciechowicz, K. (Ms)	Anthropology	3252	H-426
Siegal, M.	Psychology	3337	S-538B
Silver, J.	Microbiology	3339/3224	S-540E
Skyrme, R.	Spanish	3258	H-317
Smith, A.	Bookstore	3251	S-360
Smith, B.	Economics	3212	R-5008
Smith, I. (Mrs.)	Accounting	3206	S-410B
Smith, J.	Classics	3178	H-331A
Smith, L.	Philosophy	3288	H-513
Smith, M. (Mrs.)	Psychology	3321	S-531
Sobel, J.H.	Philosophy	3288	H-513
Sociology Graphics Area		3137	R-2512A
Solomon, S. (Mrs.)	Leave of Absence		
Soobrian, I.	Chief Constable	3274	S-300
Sowby, J. (Mrs.)	Library	3317	S-504A
Sparling	See Nalewajko		
Sparrow, C.	Geography	3130	R-5703
Spencer, G.	Purchasing	3286	1069MTr
Spilsbury, S. (Mrs.)	Library	3317	S-503
Stanley, J.	History	3151	H-317A
Statten, T. (Dr.)	Psychiatrist	3303	S-304A
Stawinoga, A.	Commerce	3115	H-428A
Student Services		3292	
Students' Council		3135/3104	R-3042
Students Pub Phone		3177	R-3251
Suggitt, J.P.	Audio/Visual Equipment	3152/3350	S-341
Sullivan, D. (Mrs.)	Registrar's Secretary	3266	S-416C
Szilagyi, S.	Chemistry	3336	S-428
Tait, M.	English	3315	H-313
Tang, Y.C.	Chemistry	3336	S-428
Tapper, G. (Mrs.)	Accounting	3195	S-410B
Tarshis, L.	Economics	3153	H-412
Taylor, B.	History	3175	H-524
Teaching Learning Unit		3181	S-302D
Tepfenhardt, W. (Mrs.)	German	3314	H-318
Terrell, B. (Mrs.)	Accounting	3206	S-410B
Theil, K.	English	3370	R-5014
Thomas, A.C.	English	3179	R-5012
Thompson, E.	History	3175	H-523
Thompson, P.	Philosophy	3205	H-331
Tidwell, T.T.	Chemistry	3318	S-427C
Toombs, G.	Printing Department	3108	S-202
Torkin, L.	Commerce	3118	R-3028
Trembley, G.F.R.	French	3178	H-327
Tuck, C. (Mrs.)	Academic Secretary	3326	R-5111
Ungar, S.	Sociology	3109	H-514
Urquhart, F.A.	Insect Migration Studies	3295	S-302
Urquhart, N. (Mrs.)	Insect Migration Studies	3295	S-302
Uttley, P. (Mrs.)	Personnel Office	3138	S-405A
Van Beveren, C.H.	Physical Services	3180	Res.Tr.
Van Veen, G.H.	Physics	3342/3289	R-2031
Vicari, E.P. (Mrs.)	English	3288	H-512
Volinz, D. (Ms)	German	3197	S-221
von Aesch, C. (Ms)	French	3179	R-5211

		PHONE	ROOM
Voss, G.	Zoology	3184	R-4010
Walker, A.	Chemistry	3319	S-535
Walker, M.B.	Physics	3340	R-4237
Wall, K.	Teaching Preparation	3217/3321	S-327
Walter, C.	Music	3126	S-356
Warden, J.R.	Associate Dean-Academic	3124	S-414
Ware, C.	Psychology	3339	S-564
Waterman, S.	Geography	3326	R-5704
Weatherley, A.H.	Biology	3353	S-515
Webb, D.	History	3382	R-5007
Webb, R.	Biology	3210	S-420B
Weidmark, W.	Drama	3126	S-257
*Weisser, K.	Technical Services	3282	S-109
Wesley, K.	Electronics	3159	S-109A
Western, P. (Mrs.)	Admin. Asst.-Humanities	3304	H-527
Westgate, J.A.	Geology	3162/3119	S-521
Westin, R.	Economics	3115	H-414
Whalen, S. (Ms)	Leave of Absence		
White, N.	Animal Technician	3239	S-609
Wiederkehr, M. (Miss)	Library	3202	S-649
Wilker, J.B.	Leave of Absence		
Willadsen, I. (Mrs.)	Physical Services Office	3203	S-303C
Willard, C. (Mrs.)	Library	3183	S-645A
Willard, J.	Landscape Foreman	3272	S-200B
Williams, D.D.	Zoology	3221	S-549
Williams, L.	Anthropology	3137	R-2509A
Williams, N.	Zoology	3221	S-549
Williams, R.	Leave of Absence		
Wilson, Douglas	Purchasing - Buyer	3247	1069MTr.
Wilson, J.	Chemistry	3231	S-435
Wilson, M. (Mrs.)	Residence Office	3391	S-303I
Wittmann, H.	German	3346	H-314
Wolanin, L.B.	Electronics	3159	S-109A
Wong, J.	Chemistry	3227	S-534
Wood, J. (Mrs.)	Registrar's Office	3127	S-416B
Wood, M. (Mrs.)	Secty.-Assoc.Dean(Acad.)	3124	S-414A
Woods, J.D.	Linguistics	3288	H-508
Workshops	Plumber, Locksmith & Carpenter	3235	S-107,
Woollatt, G.	Physics	3342	R-2503
Wright, G.	Zoology	3215	S-423
Wright, R.L.	Asst. Manager-Phys.Serv.	3200	S-303E
Writing Laboratory		3369	R-5223
Yakimov, P. (Mrs.)	Library	3165	S-653A
Yamamoto, P. (Mrs.)	Library	3238	S-635
Yamazaki, J. (Mrs.)	Secty.-Phys.Sci.Div.	3342/3378	R-4706
Yap Chung, E.	Teaching Preparation	3217	S-322
Zeskoski, S. (Ms)	Fine Art	3307	R-3237
Youson, J.H.	Zoology	3321/3215	S-566
Zaks, S.	Teaching Preparation	3217	S-327
Zeller, A.	Anthropology	3118	R-3020
* Weissleder, W.	Anthropology	3252	H-426



"H"

H–403B	Faculty Lounge
H–409A	Social Sciences Divisional Office
H–527	Humanities Divisional Office

"R" WING

R–3042	S.C.S.C. Offices
R–3103	D.R. Campbell Lounge
R–3226	Graphics and Photography
R–4044	Physical Sciences Divisional Office
R–5223	Writing Lab

ATHLETIC COMPLEX

R–2255	Physical Education Office
R–3251	Pub

"S" WING

S–209	Post Office
S–223B	Foyer Francais
S–300	Lost and Found, Security
S–303C	Physical Services Office, Parking & Bus Tickets
S–303I	Residences Office
S–304	Health Service
S–338	Audio-Visual Department; TV studios
S–403	Council Chamber
S–407	Fee's Office
S–409	Principal's Office
S–413	Registrar's Office
S–414	Associate Dean (Academic)
S–418C	Student Services
S–421A	Life Sciences Divisional Office
S–624	Computer Centre

REQUEST TO REGISTER IN A SUPERVISED READING
OR RESEARCH COURSE

To Be Completed By Student

Name: _____

Student Number: _____ Session: _____

Course: _____

Proposed area of study: _____

Previous courses in discipline: _____

_____

_____

_____

Signed: _____ Date: _____

To Be Completed By Instructor

I approve _____'s registration in the course _____, and agree to act as the supervisor of studies. Evaluation: _____

Signed: _____ Date: _____

REQUEST TO REGISTER IN A SUPERVISED READING
OR RESEARCH COURSE

To Be Completed By Student

Name: _____

Student Number: _____ Session: _____

Course: _____

Proposed area of study: _____

Previous courses in discipline: _____

_____

_____

_____

Signed: _____ Date: _____

To Be Completed By Instructor

I approve _____'s registration in the course _____, and agree to act as the supervisor of studies. Evaluation: _____

Signed: _____ Date: _____

1978



JANUARY						
S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	--	--	--	--
--	--	--	--	--	--	--

FEBRUARY						
S	M	T	W	T	F	S
--	--	--	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	--	--	--	--
--	--	--	--	--	--	--

MARCH						
S	M	T	W	T	F	S
--	--	--	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	--
--	--	--	--	--	--	--

APRIL						
S	M	T	W	T	F	S
--	--	--	--	--	--	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	--	--	--	--	--	--

MAY						
S	M	T	W	T	F	S
--	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	--	--	--
--	--	--	--	--	--	--

JUNE						
S	M	T	W	T	F	S
--	--	--	--	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	--
--	--	--	--	--	--	--

JULY						
S	M	T	W	T	F	S
--	--	--	--	--	--	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	--	--	--	--	--

AUGUST						
S	M	T	W	T	F	S
--	--	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	--	--
--	--	--	--	--	--	--

SEPTEMBER						
S	M	T	W	T	F	S
--	--	--	--	--	--	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	--	--	--	--	--	--

OCTOBER						
S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	--	--	--	--
--	--	--	--	--	--	--

NOVEMBER						
S	M	T	W	T	F	S
--	--	--	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	--	--
--	--	--	--	--	--	--

DECEMBER						
S	M	T	W	T	F	S
--	--	--	--	--	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31	--	--	--	--	--	--

1979



JANUARY						
S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	--	--	--	--	--
--	--	--	--	--	--	--

FEBRUARY						
S	M	T	W	T	F	S
--	--	--	--	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	--	--	--
--	--	--	--	--	--	--

MARCH						
S	M	T	W	T	F	S
--	--	--	--	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31
--	--	--	--	--	--	--

APRIL						
S	M	T	W	T	F	S
--	--	--	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	--	--
--	--	--	--	--	--	--

MAY						
S	M	T	W	T	F	S
--	--	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	--	--
--	--	--	--	--	--	--

JUNE						
S	M	T	W	T	F	S
--	--	--	--	--	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
--	--	--	--	--	--	--

JULY						
S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	--	--	--	--
--	--	--	--	--	--	--

AUGUST						
S	M	T	W	T	F	S
--	--	--	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	--
--	--	--	--	--	--	--

SEPTEMBER						
S	M	T	W	T	F	S
--	--	--	--	--	--	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	--	--	--	--	--	--

OCTOBER						
S	M	T	W	T	F	S
--	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	--	--	--
--	--	--	--	--	--	--

NOVEMBER						
S	M	T	W	T	F	S
--	--	--	--	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	--
--	--	--	--	--	--	--

DECEMBER						
S	M	T	W	T	F	S
--	--	--	--	--	--	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	--	--	--	--	--

1980



JANUARY						
S	M	T	W	T	F	S
--	--	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	--	--
--	--	--	--	--	--	--

FEBRUARY						
S	M	T	W	T	F	S
--	--	--	--	--	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	--
--	--	--	--	--	--	--

MARCH						
S	M	T	W	T	F	S
--	--	--	--	--	--	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	--	--	--	--	--

APRIL						
S	M	T	W	T	F	S
--	--	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	--	--	--
--	--	--	--	--	--	--

MAY						
S	M	T	W	T	F	S
--	--	--	--	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31
--	--	--	--	--	--	--

JUNE						
S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	--	--	--	--	--
--	--	--	--	--	--	--

JULY						
S	M	T	W	T	F	S
--	--	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	--	--
--	--	--	--	--	--	--

AUGUST						
S	M	T	W	T	F	S
--	--	--	--	--	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31	--	--	--	--	--	--

SEPTEMBER						
S	M	T	W	T	F	S
--	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	--	--	--	--
--	--	--	--	--	--	--

OCTOBER						
S	M	T	W	T	F	S
--	--	--	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	--
--	--	--	--	--	--	--

NOVEMBER						
S	M	T	W	T	F	S
--	--	--	--	--	--	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	--	--	--	--	--	--

DECEMBER						
S	M	T	W	T	F	S
--	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	--	--	--
--	--	--	--	--	--	--

Cover Design: *Diane Gradowski*
Cover Photography: *David E. Harford*

PRINTED BY WEBCOM LTD.