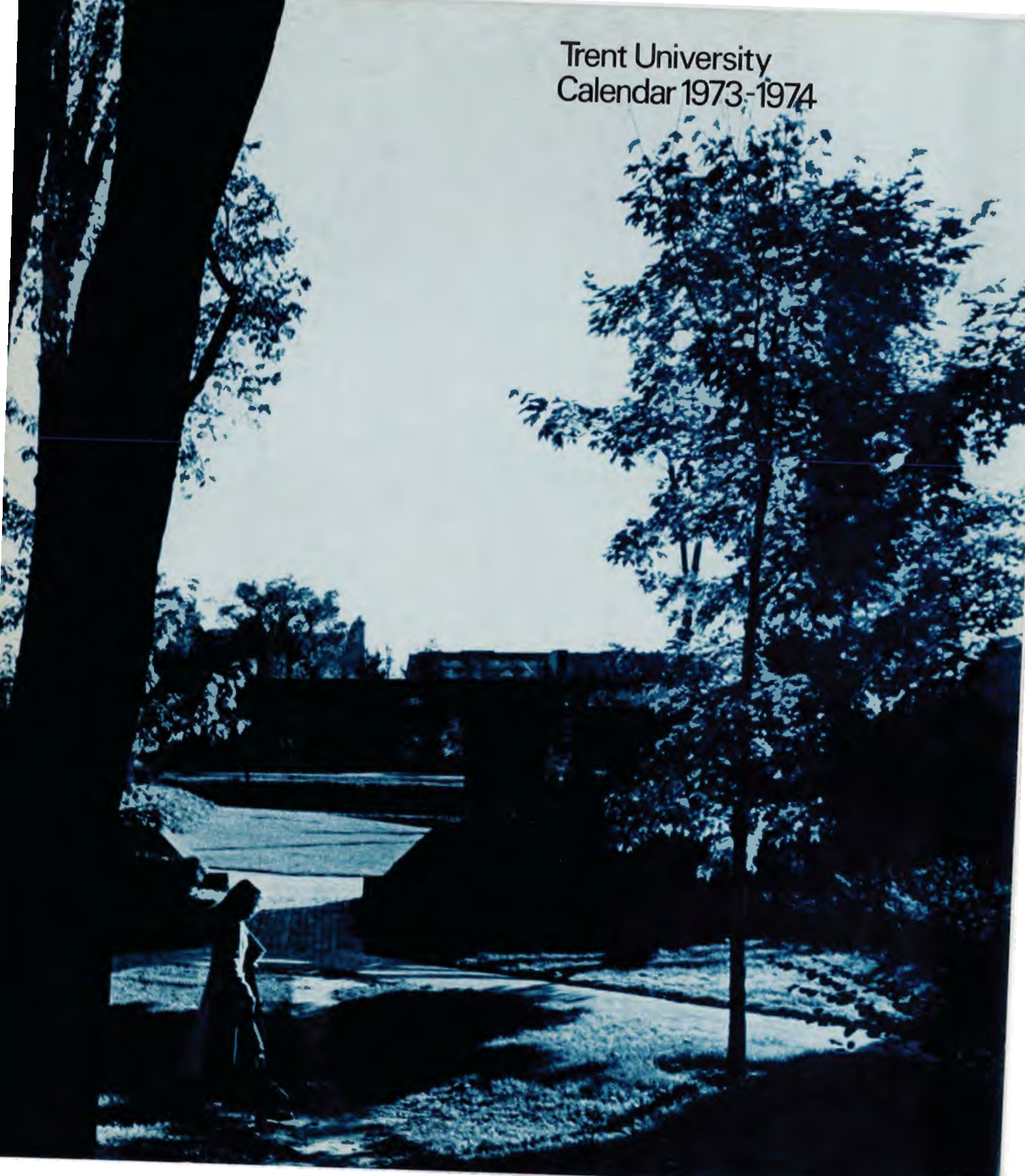


Trent University
Calendar 1973-1974





Calendar 1973-1974 The Tenth Academic Year

Nunc cognosco ex parte

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Notice:

Changes in some areas including new faculty appointments, courses, regulations and fees may occur.
The University reserves the right to make such changes subsequent to publication of the Calendar.

Academic Staff

A

Adams, W.P. *Geography*
Aitken, G.D. *Hispanic Studies*
Alfred, L.C.R. *Physics*
Annett, R.G. *Chemistry*
Armstrong, H. *Sociology*

B

Bagnani, G. *Classical Studies*
Bandyopadhyay, P. *Politics, Sociology*
Barker, J.C. *History*
Barrett, P.F. *Chemistry*
Baumgaertel, G. *German*
Beach, B.L. *English Literature, Psychology*
Berkowitz, M.S. *English Literature*
Berrill, M. *Biology*
Bews, J.P. *Classical Studies*
Blackburn, J.M. *Psychology*
Blishen, B.R. *Sociology*
Boote, M.J. *Economics*
Boundas, C.V. *Philosophy*
Bowles, R.T. *Sociology*
Brown, S.A. *Chemistry*
Brunger, A.G. *Geography*
Burbidge, J.W. *Philosophy*

C

Caldicott, C.E.J. *French Studies*
Cameron, D.R. *Politics*
Carter, C. *Mathematics*
Carter, R.E. *Philosophy*
Chakravartty, I.C. *Mathematics*
Chambers, R.D. *English Literature*
Chapman, I.D. *Chemistry*
Cohen, G. *French Studies*
Cole, A.O.C. *History*
Crozier, M.J. *Geography*
Crowhurst, R. *Classical Studies*
Cumming, P.A. *Native Studies*
Currie, W. *Native Studies*
Curtis, D.C.A. *Economics*

D

Day, K. *Anthropology*
Dellamora, R.J. *English Literature*
Doxey, M.P. *Politics*
Dray, W.H. *Philosophy*

E

Earnshaw, J.W. *Physics*
Eathorne, G.D. *English Literature*
Edwards, R.L. *Biology*
Ernest, C.H. *Psychology*
Errens, W. van W. *Sociology*

F

Fewster, J.C. *German*
Fisher, A.G. *English Literature*
Franklin, A.E. *French Studies*
Fry, M.G. *Philosophy*

G

Gallagher, S.F. *English Literature*
Gallop, D. *Philosophy*
Garrido, R.M. *Hispanic Studies*
Gilchrist, J. *History*
Glassco, D. *English Literature*
González-Martin, J.P. *Hispanic Studies*
Govier, T.R. *Philosophy*
Greene, C.M. *History*
Guinand, A.P. *Mathematics*

H

Hagar, F.A. *History*
Hagman, R.S. *Anthropology*
Hamilton, G.F. *Mathematics*
Harper, F.K. *French Studies*
Harrison, P.D. *Anthropology*
Heeney, B. *History*
Helleiner, F.M. *Geography*
Helmuth, H.S. *Anthropology*

Henniger, J.P. *Mathematics*
Hillman, J. *Sociology*
Hodgins, B.W. *History*
Hook-Czarnocki, B.D. *Sociology*
Hubbell, L.J. *Anthropology*
Hudson, J.B. *Sociology*
Hunter, W.T. *Economics*

J

Johnson, R.G. *Physics*
Johnston, G.A. *English Literature*
Johnston, R.B. *Anthropology*
Jones, E.H. *History*
Jones, R. *Biology*
Jury, J.W. *Physics*

K

Kane, S.H.W. *English Literature*
Kettler, D. *Politics*
Kidd, K.E. *Anthropology*
Kinzl, K.H. *Classical Studies*
Kitchen, H.M. *Economics*
Krueger, A.A. *German*

L

LaPointe, J.-P. *French Studies*
Lasenby, D.C. *Biology*
LeDreff, J.M.A. *French Studies*
Leithwood, K.A. *Psychology*
Lewis, A.D. *Sociology*
Lockhart, R.A. *Sociology*
Lodge, J.I. *Physics*
Lowe, D.G. *Psychology*
Lyon, K.R.V. *Politics*

M

MacAdam, J.I. *Philosophy*
MacMillan, D.S. *History*
March, R.E. *Chemistry*
Marsh, J.S. *Geography*
Martin, J.D.P. *History*
Matthews, T.R. *Biology*

Maxwell, E.A. *Mathematics*
 McCalla, D. *History*
 McCaskill, D.N. *Native Studies*
 McCue, H.A. *Native Studies*
 McDonald, J.C. *Sociology*
 McLachlan, I. *English Literature*
 McMullen, W.A. *Philosophy*
 Mellors, T. *French Studies*
 Mitchell, O.S. *English Literature*
 Montgomery, M. *Native Studies*
 Morris, R.B. *Psychology*
 Morrison, D.R. *Politics*
 Morton, W.L. *History*
 Murphy, T.N. *Mathematics*
 Murthy, K.S.R. *Economics*

N

Nader, G.A. *Geography*
 Neufeld, J.E. *English Literature*
 Neville, W.F.W. *Politics*
 Nighswander, J.E. *Biology*
 Nind, T.E.W. *Mathematics*
 Nutch, F. *Sociology*

O

Oldham, K.B. *Chemistry*
 Orenstein, A. *Philosophy*
 Orsten, E.M. *English Literature*

P

Pahlke, R.C. *Politics*
 Page, D.F.R. *Classical Studies*
 Page, R.J.D. *History*
 Pettigrew, J.S. *English Literature*
 Peterman, M. *English Literature*
 Pitman, W.G. *History*
 Powles, P.M. *Biology*

R

Rautenkranz, K.R. *Philosophy*
 Reardon, B.P. *Classical Studies*
 Reardon, J. *French Studies*
 Reed, P. *Canadian Studies*
 Rees, A.H. *Chemistry*
 Robertson, J.P.S. *Psychology*
 Robson, S.T. *History*
 Rooke, B.E. *English Literature*
 Roper, G. *English Literature*
 Royle, P. *French Studies*
 Rubinoff, M.L. *Philosophy*

S

Sadleir, R.H. *English Literature*
 Sandeman, I.M. *Biology*
 Schreuder, D.M. *History*
 Scott, E.D. *Physics*
 Scott, P. *Psychology*
 Seeley, M.P. *Sociology*
 Settrington, R.G. *Psychology*
 Smith, C.T. *Psychology*
 Smith, D.L. *Hispanic Studies*
 Smith, S.G.D. *Politics*
 Sproule, C. *Psychology*
 Stairs, R.A. *Chemistry*
 Standen, S.D. *History*
 Stanford, H.J. *Psychology*
 Stewart, D.D. *German*
 Symons, T.H.B. *History*
 Syrett, J. *History*

T

Tate, C. *English Literature*
 Taylor, C.H. *Geography*
 Todd, E.M. *Anthropology*
 Tomlinson, P.G. *Economics*
 Torok, C.H. *Anthropology*,
Native Studies
 Tracey, K.A. *Anthropology*
 Treadwell, J.M. *English Literature*

Tromly, F.B. *English Literature*
 Tyson, W.R. *Physics*

V

Valverde, J.M. *Hispanic Studies*
 Vastokas, J.M. *Anthropology*
 Vastokas, R.K. *Anthropology*
 Von Graeve, B.W. *Anthropology*

W

Wadland, J.H. *Canadian Studies*
 Watson, P. *Psychology*
 Wearing, J. *Politics*
 Wernick, A.L. *Sociology*
 White, R.F. *Sociology*
 Wilson, A. *Canadian Studies*, *History*
 Winny, J. *English Literature*
 Winocur, G. *Psychology*
 Wong, P.T.-P. *Psychology*
 Worthington, A.G. *Psychology*

Y

Young, A.M. *Classical Studies*

Board of Governors

Chairman

B.D. Sandwell, B.A.

Vice-Chairmen

T.J. Bata, C.C.

G.D.W. Cameron, O.C., M.D., C.M., D.P.H.,
F.R.C.P., F.A.P.H.A., LL.D., K.G.S.J.

Chancellor

The Honourable E.A. Forsey,
O.C., M.A., PH.D., LL.D., D.LITT., F.R.S.C.

President and Vice-Chancellor

T.E.W. Nind, M.A.

S.R. Adamson, C.G.A.

J.J. Behan, ESQ.

I.D. Chapman, B.SC., M.A.

Judge H.R. Deyman, B.A.

J.A. Edmison, Q.C., B.A.

C.K. Fraser, B.SC., P.ENG., LL.D.

R.M. Grills, B.A.

E.W.I. Keenleyside, ESQ.

R.D. Lightbody, B.SC.

T.P. McMillan, ESQ.

G.C. Monture, O.C., O.B.E., B.SC., D.SC.

W.F.W. Neville, B.A., M.A.

J.J. Robinette, Q.C., D.C.L., LL.D.

M.J. Sidnell, M.A., PH.D.

H.B. Style, B.A.

H.F. Waddell, B.A.

J.G. Wharry, B.S.A.

Mrs. J.H. Whiteside, B.A.

D.M. Woods, B.A.

Secretary

J.E. Leishman, B.COM., C.A.

Honorary Member

H.A. Dyde, O.B.E., M.C., C.C., Q.C.,
B.A., LL.B., B.C.L., LL.D.

Officers of the University

Chancellor

The Honourable E.A. Forsey,
O.C., PH.D., LL.D., D.LITT., F.R.S.C.

President and Vice-Chancellor

T.E.W. Nind, M.A.

Vice-President

R.H. Sadleir, M.A.

Vice-President (Finance) and Secretary to the Board of Governors

J.E. Leishman, B.COM., C.A.

Dean of Arts and Science

W.G. Pitman, M.A.

Dean of Graduate Studies

B.R. Blishen, M.A.

Registrar and Secretary of the Senate

A.O.C. Cole, M.A.

Master of Peter Robinson College

I.D. Chapman, M.A.

Principal of

Catharine Parr Traill College

Mrs. Nancy Sherouse, B.A.

Master of Champlain College

Brian Heeney, D.PHIL.

Principal of Lady Eaton College

Mrs. Marjory Seeley, A.M.

Master of Otonabee College

R.E. Carter, A.B., B.D., M.A., PH.D.

Librarian

J.D.P. Martin, B.A., BLS.

Comptroller

P.J. Lewis, B.A., C.A.

University Engineer

A.E. Parker, P.ENG.

Administrative Personnel

Office of the Registrar

Director of Admissions

Gordon D. Pollock, M.A.

Director of Student Aid and Placement

Richard J. Bowman, B.A.

Director of Academic Records

and Scheduling

A.P. Saxby, B.A.

Liaison Officer

A.G. Bird, B.A.

Director of Part-time Studies

H.G. Hooke, B.SC.F.

Office of the President

Assistant to the President

Paul Haefling, B.A.

Office of the Vice-President (Finance)

Assistant to the Vice-President (Finance)

J.M. Kennaley, B.A., C.A.

Conference Co-ordinator

Gary Ruona, B.A.

Office of the Comptroller

Assistant to the Comptroller

R.A. Watson, B.A., C.A.

Accountant

J.E. Moore

Supervisor of Personnel Services

Joanne Sandy

Office of the Engineer

Administrative Officer (Engineering)

G.A. Macdonald, B.A.

Operations Engineer

M.J. O'Brien, B.A.SC., P.ENG.

Planning and Development Engineer

George Ross, P.ENG.

Supervisor of Auxiliary Services

R.C. Johnston

Supervisor of Grounds

H.N. Darling

Purchasing Officer

A.F. Wells

Director of Information

J.G. English, B.A.

Director of Athletics

P.S.B. Wilson, B.A.

Director of the Health Service

Alice Martin, M.D.

Co-ordinator of Audio-Visual Services

Peter Tighe

Master Planning Architect

R.J. Thom, LL.D., F.R.A.I.C.

Manager of University Bookstore

William Jordan





General Information

History

Trent University stresses the importance of a liberal undergraduate education, which it looks upon as an education for the intelligent use of freedom in society. In line with this belief, students at Trent are encouraged to make their own decisions about courses, fields of concentration, extracurricular activities and the organization of their time. The University seeks to ensure, through a general emphasis on small group teaching, that each student has the opportunity to pursue intensively his fields of interest in close association with his academic seniors.

Trent is the smallest and one of the youngest universities of Ontario and it has no ambition to compete in size, but rather in excellence. Formally created as an independent university with full degree-granting powers by the Ontario Legislature in April 1963, the University has chosen to expand gradually in both its undergraduate and graduate programs.

Now in its tenth teaching year, the University has close to 2,000 undergraduates in the full-time program, about 900 in the part-time winter program and about 1,000 in the summer school. In addition, there are about a dozen Master's degree candidates in the three fields in which graduate studies are offered.

The University is the result of several years of planning by public-spirited citizens of Peterborough and, after the appointment of T.H.B. Symons as president-designate in 1961, by an Academic Planning Committee and a Campus Planning Committee. A nucleus of faculty members and senior administrative staff assumed full-time duties more than a year before the University opened its doors to its first students in September 1964. The University was elected to full membership in the Association of Universities and Colleges of Canada in 1968.

In 1967, the Honourable Leslie M. Frost, former Prime Minister of Ontario, was elected first Chancellor of the University, and he served until 1973 in that office.

Trent opened with two residential colleges and a teaching and administrative complex in the heart of Peterborough. The Canadian General Electric Company donated the core of what is now the 1,400-acre Nassau Campus on a rolling, wooded property located on both sides of the Otonabee River at the northern edge of the city. With the guidance of master planning architect Ronald J. Thom, a long-range plan was developed and a program of construction undertaken which, while retaining the facilities developed in the

city, provides for the main development of the University on the Nassau Campus. There are now three residential colleges, the main library, two science buildings and some of the administrative offices, along with recreational facilities, including a small art gallery, playing fields, track, tennis courts and temporary indoor athletic facilities, on the Nassau Campus.

Trent's master plan was devised on the twin foundations of the residential college and small group teaching. The collegiate system enhances the opportunity for both resident and non-resident students to benefit from a liberal education by taking advantage of the corporate life of the colleges. Quite apart from its social amenities, the college system is designed to offer genuine and continuing opportunities to cross those boundaries between different subjects and fields of study which so often hinder discussion in a university. Intellectual isolation can be avoided by bringing together, within each college, students and faculty from all disciplines.

Further opportunities are offered to each student to engage in the exploration of ideas with members of faculty and with fellow students through emphasis given to a variety of small teaching groups according to the requirements of the given discipline. Directed reading, the preparation of essays and other assignments and laboratory work in the sciences, form the basis for regular academic discussions in small groups in most courses.

Such small group meetings may consist of a seminar, of about fifteen members, or a tutorial, of about six or seven students. The assumption is that the university is a place of education and of learning, rather than of training and instruction, and therefore a special responsibility is placed on students to discipline their own work, to express themselves frequently and well, and to be open to constructive criticism by fellow students and teachers.

In the section on Courses of Study in this Calendar may be found the teaching method employed in each course. Each student will be provided with a course outline in September which may be a detailed week-by-week summary or only a more general outline of aims and teaching methods. It should state the frequency of class meetings, attendance requirements (if any) and the principles of the grading system which will be used. Generally speaking, lectures are less central in the teaching program at Trent than in many universities. In most courses lectures are offered, but, in the senior years particularly, these are to guide, to clarify and to

emphasize, rather than to cover prescribed material in detail. Lectures are normally open to anyone wishing to attend.

At registration each student is assigned to a supervisor of studies or counsellor who is responsible for advising on course selection and reviewing the student's progress at regular intervals. Students intending to return in the next academic year are counselled on their programs in the spring to enable them to pursue a program of summer reading. The tutorial and seminar system demands that a student distribute the work evenly throughout the academic year. To accommodate this need, the formal academic year is somewhat longer than at most Canadian universities, but there are significant pauses from formal class studies for reading and assimilation. To this end, the academic year is divided in a distinctive way, with a two-week recess in December, two weeks in March, and one-week reading and laboratory recesses in November and February. Reading programs, which do not preclude summer employment, but which are of considerable value to the student, are suggested for most courses, beyond first year, over the longer summer vacation. Such programs offer both an introduction and a background to work that will be undertaken in the following year.



Colleges

Peter Robinson College

Master

I.D. Chapman, B.SC., M.A.

Senior Don A.A. Krueger, STAATSEXAMEN

Senior Tutor Terence Mellors, M.A.

Assistant to the Master Glynnis Thomas, B.A.

Peter Robinson College was named to honour the founder of Peterborough, who played a major part in the development of this region. In the pioneering tradition of its namesake, Peter Robinson College was the first college at Trent, opening in September 1964 as a men's college, and in 1967 pioneering a new development in the University by becoming the first coeducational college. The smallest college in the University, it looks forward to a continuing pioneer role.

The College tends to attract those students who prefer to live in the city, either in residence or in lodgings near the College. All students of the College, therefore, have an opportunity to make the College a centre for academic, cultural and social events. As well, these students have involved themselves in the wider community of the city through social work projects of the University Community Action Program.

The members of the College prefer an informal atmosphere which is expressed by the adaptation of older houses for use as residences, teaching offices for the faculty, dining and recreational facilities. In an experiment which has aroused province-wide interest, the College has continued this tradition by building a townhouse development for about 100 students. The houses have four or six single bedrooms, a kitchen, dining area and living room, thus providing a greater opportunity for students to make their own living arrangements within the College.

Besides the formal teaching which takes place in faculty offices and seminar rooms in the College, faculty and students meet together in many less formal gatherings — arranged by both, or spontaneous “happenings” — in Don's apartments, common rooms, or in the Dining Hall (originally a hay loft!).

Catharine Parr Trail College

Principal

Mrs. Nancy Sherouse, B.A.

Senior Tutor Peter Watson, M.A., PH.D.

Senior Don Deryck M. Schreuder, B.A., D.PHIL.

Assistant to the Principal Lynn Robertson, B.SC.

Catharine Parr Traill College, named in honour of a noted botanist, author and early settler in the Peterborough area, is the second of the town colleges. Formerly a women's college, Traill adopted a coeducational composition in September 1969.

Traill College, situated in the middle of Peterborough in a quiet residential area overlooking the city, enjoys all the advantages of a central town location. The College has a self-contained campus with a number of fine old homes remodelled for college purposes, as well as a modern residential and teaching wing. Each building accommodates resident students in study bedrooms while also offering academic and recreational facilities. Members of faculty, both single and married, act as resident dons. Many members of the academic staff who are Fellows of the College teach in tutorial offices and seminar rooms located in the Traill complex.

Non-resident student members are active contributors to all aspects of college life. They use the college dining room, the Trend (snack bar) and the various common rooms, all of which have proved to be excellent settings for stimulating, informal discussions and debates. On the recreational side, the college tennis court is very popular and the athletic and swimming facilities at the “Y” are in easy walking distance.

A new addition to the College is the Kerr House which accommodates the College library and some additional faculty offices. The library contains a very useful collection of reference books and basic texts and the decor of the house provides a congenial atmosphere for studying.

Champlain College

Master

Brian Heeney, B.A., B.D., D.PHIL.

Senior Tutor H.M. Kitchen, M.A.

Senior Don R.J. Dellamora, A.B., B.A., PH.D.

Assistant to the Master Michel Trudeau

Champlain College, the name of which honours the great explorer and founder of New France, lies on the banks of the Otonabee River near the heart of the Nassau campus. The College, founded in 1966 as a men's college with a membership of about 500 undergraduates and 45 faculty Fellows, became coeducational in 1972.

It has residential accommodation for 209, and dining, library, common room and recreation facilities for all its members. The College endeavours to provide for its members a rich and stimulating intellectual environment. Through the Champlain College Society it undertakes an active program each year of visits from leading scholars and public figures, who take part in classes and informal discussion with students of the College beyond the regular curriculum. There is, in addition, a growing program of other College activities of many kinds.

The College buildings, designed by the Master Architect of the University, Ronald J. Thom, are distinguished both in style and utility, and seek to enhance the experience of university life. The staircase plan in the two residential courts and the single study bedrooms give ample opportunity both for study and a full college life. Tutorial offices for many of the Fellows of the College, accommodation for both single and married dons, and seminar rooms are interspersed through the residential courts.



Lady Eaton College

Principal

Mrs. Marjory Seeley, B.A., A.M.

Senior Tutor Douglas McCalla, M.A.

Senior Don Gordon Macdonald, B.A.

Assistant to the Principal Mrs. Kathryn Campbell, B.A.

Lady Eaton College is the fourth college within the University and the second college on the Nassau site. Named in honour of Flora McCrea Eaton, a native of Omemee and one of the original sponsors of the University, the College provides a range of attractive facilities designed to encourage academic and social interchange for a community of 450 within the context of a residential teaching college.

The College buildings are divided into two separate residential and office wings and a central wing called the Commons Block. One residence wing is for women only. The other wing accommodates men in one section and women in another. There are 208 single study bedrooms and 15 double study bedrooms. On the first floor of the residence wings are several apartments for faculty and administrative staff of the University who live in the college as residential dons. There are also a number of offices for the Fellows of Lady Eaton College. Teaching takes place in these offices as well as in the College seminar rooms and in other university buildings.

Non-resident members of the College living at home or in lodgings in Peterborough are encouraged to participate in college activities and to use common rooms, music listening and music practice rooms, the art room, the sauna and exercise room, snack bar, browsing and reading rooms. The dining hall, a spacious and colourful room with small tables, has a warm and friendly atmosphere. Lady Eaton presented her library and a distinctive collection of Eskimo Art to the College. Though most of the books are in general circulation at the Bata Library, some of the books and the Eskimo sculptures have a permanent home in the College.

The student government organizes and sponsors many College events in which students and faculty participate. One such event is the publication of the College newspaper *Eaton's Catalogue*. Fellows and students also serve on a number of joint committees which contribute to activities within the College. In addition, many members of the College join in university and community programs.

Otonabee College

Master

Robert E. Carter, A.B., B.D., M.A., PH.D.

Senior Tutor David F.R. Page, B.A.

Senior Don

Assistant to the Master Margaret A. Jacobs, M.A.

The Indian name for the river flowing through the Nassau campus is Otonabee. As the name of Trent's fifth residential college it is both historically appropriate and presently descriptive. The academic facilities adjacent to the College contain the Native Studies and Anthropology Departments, as well as offices and laboratories of most of the social science departments. The Trent Water Group, an association of scientists involved in water study and ecology, is also affiliated with Otonabee College, and the Science Complex forms the western entrance to the College.

The long residence building, one of the first in Canada specifically designed as a coeducational complex, fits comfortably into the cedar-lined ridge across the Otonabee River on the Nassau Campus. Each of the eight houses within the residence are distinct units joined by a pedestrian way which widens into communal areas. Each house has student living rooms decorated with contemporary supergraphics, and kitchenettes. The study-bedrooms all face the river, library, and sister colleges providing outstanding views of campus architecture and the surrounding natural beauty. The dining hall, common rooms, living rooms and study areas are equally available to residential and non-residential members.

As the newest college, Otonabee offers students and faculty varied opportunities to develop creative academic and social environments. The separate houses allow for innovative and traditional organizational structures. Those who enjoy involvement in student government, the development of student and faculty interchange, and lively social and cultural activities in an academic milieu will find Otonabee a fulfilling and exciting place to be.

Librarian and Associate Professor of Bibliography
J.D.P. Martin, B.A., B.L.S.

Associate Librarian (Public Services) Bruce Cossar, B.A., M.L.S.; *Assistant Librarian (Bibliographic Services)* J.A. Wiseman, F.L.A.; *Consultant to the Librarian on Canadiana* E.C. Guillet, M.A., LL.D.; *Reference Librarian* Margaret E. Hargrove, B.H.Sc., B.L.S.; *Assistant Reference Librarians* W.D.M. Robinson, B.A., M.L.S., Betty McNeil, B.A., B.L.S.; *Circulation Supervisor* W. Avis; *Serials Librarian* Anna McCalla, B.A., B.L.S.; *Principal Cataloguer* Helen E. Kelley, B.A., B.L.S.; *Cataloguers* Ann L. Taylor, B.A., M.L.S., Elma Lake, B.A., B.L.S., Edythe Percy, B.A., M.L.S.; *Map Librarian* D.R. Weismiller, B.A., M.L.S.; *Archivist* K.W. Johnson, B.A.

The University's new Thomas J. Bata Library is adjacent to the University Court and is the focal point of the Nassau campus. Four storeys high, it has room for more than 370,000 volumes and 800 readers. Bright, spacious and air-conditioned, it provides ideal study and research facilities for all student and staff requirements. The building also houses the Audio-Visual Centre and a number of administrative and faculty offices.

By September 1973 the Library will contain a collection of some 215,000 volumes, 16,000 microforms, more than 2,300 periodical subscriptions and some 60,000 government documents. Approximately 22,000 volumes are added each year. Nearly all the material is available on open shelves and all members of the University are free to browse through the entire collection. Student use of the Library has been extensive, with one of the highest per capita circulation rates in Canada.

A number of special collections have been formed and, to support the University's interest in Canadian studies, the Library has concentrated on the acquisition of Canadiana. This development has been augmented by such gifts as the G.M. Douglas Arctic collection, the Shell Canada Fund for Canadian Literature, the Perkins Bull collection of prints, the Racey collection of newspaper cartoons, and the Floyd Chalmers collection of Canadian Explorations. The local collection of materials relating to the Trent Valley has been enriched by the acquisition of family and institutional papers and a wide variety of other archival materials.

The Trent University Library of Religion, incorporating the Bishop Webster Collection, provides source material for scholars in religion, philosophy, history and related subjects. Extensive support from the Robert Markon Foundation has been used to establish an art book collection. The Donner Foundation has provided substantial assistance in building up library resources in support of Native Studies. The University Map Library, at Rubidge Hall, is a major resource for students in Geography and Anthropology.

The University Library is augmented by an extensive Inter-Library Loans network through which materials are borrowed from all parts of North America. The Inter-University Transit System, combining telex communications and a daily courier service, expedites the delivery of materials between university libraries of Ontario and Quebec.



Admission and Registration

Admission Requirements

1. Normal Requirements

In order to be eligible for admission to Trent University an applicant is required to achieve standing at a level acceptable to the University in a full Grade 13 program of studies or equivalent. Because of the diversity of programs offered in secondary schools in Ontario, a full program is defined as that which is deemed by the school principal satisfactory for the purpose of granting an Honours Graduation Diploma.

No minimum number of years taken to achieve this standing is specified. Applicants who have spent more than five years in secondary school may be required to present a higher level of achievement.

With the exception of some language programs there are no specified subject requirements for admission to Arts programs. Applicants to Science programs are advised to consult the Grade 13 requirements of individual disciplines as shown in the "Courses of Study" section.

In lieu of Ontario Grade 13 Music, standing in one of the following examinations of the Royal Conservatory of Music of Toronto or equivalent is accepted: 1) Grade 8 Practical with Grade 2 Theory; 2) Grade 4 Theory. If the R.C.M.T. or equivalent examinations are offered, candidates must have the required overall average for the course sought on the academic credits offered. R.C.M.T. or equivalent examination marks are not included in the calculation of the overall average.

2. Exceptions to the Normal Requirements

The University is prepared to consider other candidates, who, while failing to meet the regular requirements, can satisfy the University that they are likely to be successful in university work. Maturity and motivation will be taken into account. The Admissions Committee may require the candidate to present himself for an interview. Any candidate who wishes to apply for admission and who does not possess the normal admission requirements should write to the Director of Admissions outlining his academic qualifications, his experience and the grounds on which he bases his request for admission. Such candidates may be admitted outright or to probationary status for one academic session.

Applicants admitted on probation normally are eligible to enrol in a single course and are required to obtain a grade of C or higher. Successful completion of this course enables a student to enrol as a regular student. A student receiving a

grade of D is allowed to enrol in one further course and is required to obtain at least a grade of C. Upon completion of probationary status a student receives credit for the course or courses in which he was successful. If a student fails a probationary course or obtains D standing in both probationary courses, the Committee on Admissions will require him to withdraw from the University and an application for re-admission will not be accepted until the student has fulfilled the normal admission requirements.

Early application is most desirable in this case as applications will not normally be accepted later than eight weeks prior to the commencement of an academic session.

3. Equivalents to Ontario Grade 13

Alberta, British Columbia, Manitoba, New Brunswick, Nova Scotia, Saskatchewan — Grade 12

Newfoundland — First Year, Memorial University

Prince Edward Island — First Year, University of Prince Edward Island

Quebec — Completion of Year 1 of a CEGEP program or equivalent with high standing.



England and Wales, West Indies, East and West Africa, Hong Kong — General Certificate of Education (or University of Hong Kong Matriculation Certificate), with a) passes in at least five subjects, two of which must be at Advanced Level; or b) passes in four subjects of which three must be at Advanced Level; or School and Higher School Certificate. (Credits on the School Certificate, and subsidiary passes on the Higher School Certificate are equated with ordinary level passes on the General Certificate of Education; principal or main subject passes on the Higher School Certificate are equated with advanced level passes on the General Certificate of Education.)

Scotland — The Scottish Leaving Certificate.

USA — First-year university credits (a minimum of 30 semester hours) from accredited institutions or successful completion of at least three courses of the Advanced Placement Program. Normally, a United States High School Graduation Diploma is not sufficient for admission, but the University invites applications from superior students who have graduated from schools of recognized excellence. Applicants are required to submit College Entrance Examination Board scores.

Students from areas other than those listed above should submit full details and available certificates to the Director of Admissions for evaluation.

Possession of the minimum requirements does not in itself guarantee admission.

4. Special Requirements

- a) Candidates from areas where English is not a common language will be required to provide evidence of a knowledge of English sufficient to enable them to profit from their university studies.
- b) Candidates wishing to study Mathematics at the University should have Ontario Grade 13, or equivalent standing in that subject.
- c) Candidates who propose to proceed to another university for studies in Medicine or Dentistry should consult the calendar of the university in which they are interested, and this calendar's section on Pre-Professional Studies for details about the entrance requirements for faculties of Medicine and Dentistry in Ontario.

5. Admission with Advanced Standing

The University will consider applications from students from other universities for admission with advanced standing. Applicants for advanced standing should consult the Academic Programs and Standings Required section of the Calendar. Applicants for advanced standing must arrange for the forwarding of official transcripts of their university record to the Director of Admissions of Trent University. Advanced standing will be assessed and the applicant informed of his advanced standing by the Committee on Admissions prior to the student's admission to the University. No requests for a re-evaluation of a student's transcripts will normally be accepted after this time.

6. Part-Time Credit Studies

Candidates considering a program of part-time credit studies should consult the Academic Programs and Standings Required section of this Calendar and the Part-time studies section.

7. Debarment

The University reserves the right to refuse admission to any candidate and to refuse re-admission if it becomes apparent that a student is not profiting from University studies. Applicants should also consult the Academic Programs and Standings required section of the Calendar.

8. Application Fee

Applicants for admission to this University who are not residents of Canada or who have obtained standing in educational jurisdictions beyond Canada are required to pay a fee of \$10 upon filing an application.

The section containing University Diary, Academic Programs and Standings Required, and Courses of Study, on pages B1 to B52, is also available separately. Please address the Office of the Registrar.

(continued on page A17)

Admission Procedures

Students from the Ontario school system should apply to Trent University on the forms developed by the Ontario Universities' Council on Admissions for Application for Admission to an Ontario University. These forms are available through the secondary schools and should be filled out according to accompanying instructions.

By agreement between the universities, candidates notified of acceptance by a university may not be required to make formal acceptance until June 8, 1973. At this time Trent University will require a \$50 deposit against tuition fees. Such deposits will not normally be refundable, but the University will consider requests for refunds made by accepted candidates who present a valid petition to the Registrar.

Candidates for admission from outside Ontario, or who are not currently in Grade 13 or are recent graduates, may obtain application forms from the Director of Admissions. Such candidates must submit Grade 13, or equivalent, certificates or certified copies of these, showing their standing in each subject.

Candidates for admission may be asked to attend an interview with the Admissions Committee. Each admitted candidate will receive a medical form from the University which should be completed, preferably by the candidate's regular physician, and sent to the University Health Service before registration. Each candidate for admission will be notified of the University's decision concerning his or her application as early as possible, within the limits of the inter-university agreements cited above.

Because all full-time students in the University are members of a college, every applicant to the University should complete a college application form which may be obtained from the Director of Admissions.

Registration

Entering students who have been offered and have accepted admission to the University will register in person during the Introductory Seminar. The College Admissions Committee will make every effort to meet the wishes of students for particular college affiliation but cannot guarantee to meet all requests.

Registration is complete when an undergraduate has been informed of his admission by the University, has met with the Head of his college, has paid at least the first instalment of his fees, has visited the Health Service, and after consultation with his supervisor of studies, is enrolled in an approved program of studies at the centralized course registration. During the Introductory Seminar, first-year students have the opportunity to sample first-year courses before selecting the five they will pursue. A fee of \$10 may be charged to those registering late.

Returning students are also required to place a \$50 deposit against tuition fees before July 15 in order to guarantee a place in the University.



Fees

Academic fees

The total fee for full-time undergraduates for the academic year is \$655. This figure includes registration and tuition fees, and incidental fees of \$55 for health services, athletics and student government.

Special Students

Special students taking three-and-one-half or more courses are considered to be full-time students and must pay full tuition fees and appropriate college fees.

Non-resident Fee

Non-residents are encouraged to enter fully into the life of their colleges, and accordingly to make considerable use of college facilities. A non-resident fee of \$85, including \$10 to be applied against meals taken in college, is payable by all full-time non-resident students in addition to the academic fee. This fee is payable at the same time as academic fees; if paid in instalments, the two instalments are \$50 and \$35.

Residence Fees

The fees for room and board for the academic year, are \$1,200 for a single room and \$1,130 for a double room.

Deposits on Accounts of Academic and Residence Fees

As explained in the section on Admission Procedures, students entering, or returning to the University are required to submit a deposit of \$50 against their tuition fees before July 15. An additional \$50 deposit is payable by those students accepting a place in residence.

These deposits are normally not refundable. In cases of economic hardship, the Registrar may authorize deposit refunds to accepted candidates who present a valid petition before August 15.

Academic Fees for Part-time Students

Part-time students, i.e., students taking three or fewer courses during the regular session, pay \$135 per full course, \$67.50 per half course, or \$135 for two half courses.

These fees include registration and tuition fees, and incidental fees for athletics and student government at the rate of \$15 per full course.



These fees are due on or before August 31 and may be paid in two instalments, in which case, an additional charge of \$5 is made. For those who request college affiliation, a further fee of \$10 is charged.

Certain further fees may be charged in appropriate circumstances.

All fees are subject to change.

Payment of Fees

Fee payments should be mailed to the Office of the Comptroller, and are due and payable on or before August 31. If paid in instalments, the first instalment must be paid on or before August 31, and the second instalment on or before January 31. An additional charge is made when fees are paid in instalments.

Deposits received on account of academic or residence fees will be applied against the first instalments of these fees.

Charges may be imposed on any accounts remaining unpaid after the end of the month in which they became payable.

Special arrangements may be made for students whose fees are paid by funds from scholarships, awards, grants or other forms of assistance.

The academic record of a student who has any accounts outstanding at the end of the academic sessions will not be released by the University.

Fee Refunds

Refunds of any fees paid are made only in special cases and on the written authorization of a student's College Head. Any refunds granted will be subject to a refund charge. Incidental fees are not refundable.

Summer Session Fees

Fees for students taking courses in the Summer Session will be \$135 for each full course taken. Information on the Summer Session is contained in a separate calendar obtainable from the Director of Part-time Studies.

Students withdrawing from a Summer course will receive a rebate according to the regular University rebate schedule.

Books

Costs of required books and materials vary according to individual course requirements, with Science courses tending to be more expensive than Arts courses. Students should be prepared to spend between \$25 and \$50 per course for books and materials. Special fees may be required in some courses involving laboratory or field work.

All cheques and other remittances should be made payable to Trent University.





Scholarships, Prizes and Student Awards

Scholarships

Trent University has a generous scholarship program designed to reflect its insistence on high standards and to reward and encourage its leading students.

Through the generosity of private donors, about 40 scholarships have been endowed; these scholarships will be awarded to students entering the University and during the course of their studies. In addition, the University awards a number of scholarships to students entering the University with high standing.

All University scholarships may be held in conjunction with other scholarships awarded by external agencies when their conditions permit. No student applying for admission to the University after August 1 will normally be considered for a scholarship.

The University endeavours to guarantee all scholarship holders, including those from the Peterborough area, places in residence if they wish them.

Since all students with high standing will automatically be considered, no separate application for scholarships awarded by the University is necessary.

The Bata Scholarship

The scholarship, the gift of Thomas J. Bata one of the original honorary sponsors of the University and a member of the Board of Governors, is of the value of \$550 for one year.

The Champlain Scholarships

Champlain Scholarships are available for students of exceptionally high academic achievement and promise, whether entering the University or in course. Each scholarship has an annual value of \$1,855 for students living in residence and of \$1,100 for non-residents, and will be renewed each year at full value so long as the holder's work is of high standard.

The Sylvia Cherney Scholarship

The Sylvia Cherney scholarship, the gift of Harry Cherney, and of Brian Cherney and Lawrence Cherney, is named in memory of Sylvia Cherney and is available to in-course students majoring in English Literature with the aim of encouraging promise and interest in the study of drama. The Cherney Scholarship is an annual award to meet tuition fees.

The Roscoe F. Downey Scholarships

Two scholarships, the gift of the late Roscoe F. Downey of Peterborough, each of the value of \$100 for one year, are available to entering students, one from Peterborough County and one from Victoria County.

The Reginald R. Faryon Scholarships

These scholarships, the gift of the Quaker Oats Company of Canada, are named in memory of the late Reginald R. Faryon an active member of the founding board of Trent University and a former president of the company. Each Faryon Scholarship is of the value of \$400 for one year.

The Rufus Gibbs Scholarships

These scholarships, the gift of the late Rufus C. Gibbs, each of the value of \$500 for one year, are available for annual award to students in all years, on the basis of academic standing, all-round achievement and character.

The Joseph Ernest Goodhead Scholarship

This scholarship, the gift of an anonymous donor, of the value of \$100, is awarded for excellence in the study of Biology.

The Howson Scholarship

The George Henry and Jane Laing Howson Scholarship is the gift of the late Miss A. Howson and Mrs. M.H. Simpson, and is named in memory of their late parents. Of the value of \$350 for one year, the scholarship is available to a student with high academic standing who is proceeding to the degree of Bachelor of Arts.

The Francis Dean Kerr Scholarship

The scholarship, the gift of the late Mrs. F.D. Kerr of Peterborough, is named in honour of her late husband who was one of the original honorary sponsors of the University, and is of the value of \$550 for one year.

The William Allan Newell Scholarship

The scholarship, the gift of Judson Newell of Prescott, is named in honour of his father, the chairman and founder of the Newell Manufacturing Co. Ltd. Of the value of \$550 for one year, it is available to an entering student proceeding to the degree of Bachelor of Science.

The Peterborough Examiner Scholarship

The scholarship, the gift of Peterborough Examiner Co. Ltd., of the value of \$1,200 for one year, is available to an outstanding student entering first or a higher year and living in residence.

The Katherine E. Scott Scholarships

Two scholarships, the gift of Dr. C.M. Scott of Peterborough, are named in honour of his late wife. Each scholarship is of the value of \$550 for one year.

The H. Clare Sootheran Scholarship

The gift of the late H. Clare Sootheran, a citizen of Peterborough, this \$250 scholarship is awarded for excellence in the Faculty of Arts.

The Trent University Scholarships

Several Trent University Scholarships are available to students of high academic achievement entering first or higher years in the University.

Externally awarded scholarships

A number of scholarships (and bursaries) are awarded by bodies outside the University. A number of corporations, for instance, have special programs for dependents of their employees. Students should consult their guidance counsellors concerning these awards.



Prizes

Ambassador of Switzerland Prizes in French and German

The prizes, the gift of the Ambassador of Switzerland, are awarded to the undergraduates who have obtained the highest standings in the French and German languages in their graduating year.

Department of Biology Prizes

Awarded to students who show excellence in the study of Biology in first or higher years.

Canadian Association of Geographers Undergraduate Award

Presented by the Canadian Association of Geographers to the Honours Geography student with the highest academic standing in specific courses.

Chemical Institute of Canada (Peterborough Section) Prize

Awarded to a first-year student who has shown excellence in the field of General Chemistry.

Consul General's Prizes in French

These prizes, the gift of the Consul General of France, are awarded to the leading undergraduates in French studies within the University.

Embassy of Spain Prize in Hispanic Studies

Awarded to an outstanding student in upper years majoring in Spanish.

Department of English Literature Prize

This prize, the gift of the Department of English Literature, is awarded to the best student entering the Honours Program in English Literature.

The Honourable Leslie Frost Prize

This prize, the gift of Hon. Leslie M. Frost, P.C., Prime Minister of Ontario from 1949 to 1962 and Member of the Legislative Assembly of Ontario for Victoria from 1937 to 1963, is awarded to the leading undergraduate in the first-year course in History.

Gadfly Prize

This prize, the gift of the academic staff in Philosophy, is available for award to the leading undergraduate in Philosophy entering his or her graduating year. The prize commemorates Socrates' description of himself as one who rouses and reproves the society in which he lives just as a gadfly awakens a sluggish horse.

Governor-General's Medal

Awarded to the fourth-year student with the highest overall standing on graduation.

The Honourable George S. Henry Prize

This prize, in memory of Hon. George S. Henry, Prime Minister of Ontario from 1930 to 1934, and Member of the Legislative Assembly of Ontario for East York from 1913 to 1943, is awarded to the leading undergraduate in the first-year course in Politics.

David N. McIntyre Conservation Award

Presented by the Otonabee Region Conservation Authority to the outstanding Geography student who has demonstrated an interest in Conservation.

Midwives' Prize

This prize is the gift of the three members of the Universities Liaison Committee who assisted at the birth of Trent University: Professor J.M. Blackburn, then of Queen's University; Dean Frank Stiling, of the University of Western Ontario; and the late Dr. M.St.A. Woodside, former vice-president of the University of Toronto. Professor Blackburn, Dean Stiling and Dr. Woodside were named by the heads of their universities and the Founding Board of Trent University in its early years. The prize is awarded to the undergraduate with the highest overall standing in the first year.

Prize in Native Studies

Awarded to the leading undergraduate in first year Native Studies.

Peterborough Professional Engineers Wives' Association Prize

This prize, a gift of the association, is awarded to an undergraduate who shows excellence in the second-year courses in Physics or Chemistry.

Department of Psychology Prizes

These prizes, a gift of the Department of Psychology, are awarded to outstanding students in Psychology.

Victor T. Ridley Memorial Prize

This prize, the gift of Mrs. F. Millard in memory of the late Victor T. Ridley of Peterborough, is awarded to the leading undergraduate in the first year Mathematics.

The Honourable Sidney Smith Prize

This prize is named in honour of Hon. Sidney Smith, Member of the Legislative Assembly of the United Province of Canada for the West Riding of Northumberland from 1854 to 1861, Postmaster General of the United Province of Canada from 1858 to 1862, and elected Member of the Legislative Council for the United Province of Canada for the Trent Division from 1861 to 1863. It is the gift of Hon. S. Bruce Smith, Chief Justice of Alberta, and of Muriel Turner and H.G.H. Smith, Q.C., of Winnipeg, and is awarded annually to the leading undergraduate majoring in Politics and History in the second year.

President Symons Medals

The President's Medals were established in 1972 in honour of T.H.B. Symons, the founding president of Trent University. These medals are awarded to students in third and fourth year who achieve high overall standing on graduation.

Alan Wilson Prize in History

Awarded to the Honours History student achieving the highest record in fourth year.



Bursaries

Each year a sum of money is available for busary assistance to students who are currently enrolled at Trent University. Information is available from the Director of Student Aid.

A.T.A. Trucking Industry Educational Foundation Bursary Fund

Established by the Automotive Transport Association of Ontario. These bursaries may be awarded to deserving students who would be unable to continue their studies without financial assistance.

Beaver Foods Bursary Fund

Established by Beaver Foods Limited to be awarded to deserving students in any undergraduate year.

Philip Black Award

These awards are the gift of Isadore and Morris Black of Peterborough in memory of their father, Philip Black, the first Rabbi in Peterborough. Value: \$50.

Reginald R. Faryon Bursary

The award is the gift of the Peterborough Branch of B'nai B'rith in memory of Reginald R. Faryon. Value:\$50.

Peterborough Chapter of Hadassah Bursary

The award is the gift of the Peterborough Chapter of Hadassah. Value: \$100.

Agneta Holt Award

The award is the gift of the University Women's Club of Peterborough as a memorial to the late Mrs. Agneta Holt.

IBM Canada Bursary Program

Established by IBM of Canada, these bursaries may be awarded to deserving undergraduates in any year of an Arts or Science program.

"In-course" Bursaries of the Atkinson Charitable Foundation

These bursaries may be awarded to meritorious Ontario undergraduates in second and higher years. Information is available from the Director of Student Aid.

The Interprovincial Pipe Line Company Bursary Fund

Established by the Interprovincial Pipe Line Company. These bursaries may be awarded to deserving undergraduates in second or higher years.

Native Studies Donner Bursary Fund

These bursaries are available for students of native ancestry who do not qualify for educational assistance from the Department of Indian Affairs and Northern Development. Native students who can establish financial need and have been admitted to the Faculty of Arts and Science at Trent University are encouraged to apply.

Ontario Student Awards

The Province of Ontario and the Government of Canada provide a program of grants and loans to university students through the Province of Ontario Student Awards Program. This program is not based on academic standing but is related to the established need of the student in the individual year of the University. Awards are made by the Ministry of Colleges and Universities, after assessment of need, and are divided between provincial grants and Canada Student Loans according to a formula established by the government. Students may obtain details of this program through school officials or from the Director of Student Aid, Trent University, Peterborough.

Students from outside Ontario who need financial assistance in university are strongly urged to consult with officials in their schools about available Provincial loan and bursary assistance. The University has limited bursary funds to assist needy students not eligible for government assistance.

The University believes that there is considerable merit in studying at one university before proceeding to professional study at another. Trent University graduates have attended professional schools in Business Administration, Child Study, Criminology, Dentistry, Education, Law, Medicine, Social Work and Speech Therapy. The curriculum has therefore been planned to offer attractive courses which meet the academic requirements of Ontario's professional faculties for students proposing to proceed to another university for professional studies.

The academic requirements for admission to some professional faculties are summarized below:

Dentistry

The University of Western Ontario and the University of Toronto offer instruction in Dentistry in Ontario. The admission requirements for this course are successful completion of either a first year Science program or a degree in Science or Arts. Possession of these requirements renders a candidate eligible for selection; it does not guarantee admission. Prospective students of Dentistry are advised to consult very carefully the calendar of the Faculty of Dentistry of the university in which they are interested.

Law

For admission to the study of Law, a minimum of two years of university study beyond the Grade 13 level is required. However, due to the large number of applications now being received at Law faculties in Ontario, students competing for admission normally possess a university degree.

Medicine

The Faculties of Medicine at McMaster, Ottawa, Queen's, Toronto and Western Ontario Universities, require all candidates for admission to have completed either two-year pre-medical courses which they offer, or three years of study, with courses appropriate for prospective medical students, at another recognized university. So that students may take full advantage of the science courses at Trent University which will prepare them for the professional study of Medicine, they are advised to complete the secondary school program with two Mathematics credits, Physics and Chemistry.

All Canadian faculties of Medicine have many more applicants than they can admit, and possession of the

entrance requirements does not guarantee admission. Prospective medical students are advised to consult very carefully the calendar of any faculty of Medicine in which they are interested.

Chartered Accountancy

The Institute of Chartered Accountants of Ontario has placed Trent University on the list of designated universities whose graduates are eligible for entry into the Institute's course of studies. Graduates of the University are, therefore, eligible for the course offered by the Institute.

Ontario Colleges of Education

Interim High School Assistants' Certificate, Type B:

Graduates of the ordinary program of Trent University meet the requirements for admission to the professional course leading to the Interim High School Assistants' Certificate, Type B. Endorsement of Certificate, Type B, is given to candidates offering five university courses with an overall average of second-class standing, in a subject taught in Ontario schools. Students intending to qualify for admission to the course leading to the Interim High School Assistants' Certificate, Type B, must include in their programs at least seven courses in at least two subjects taught in secondary school.

Interim High School Assistants' Certificate, Type A:

For admission to the course leading to Type A certificates in the Ontario Colleges of Education, four years of university study beyond the Grade 13 level are required. Students are expected to study subjects that are taught in Ontario secondary schools. Graduates of the ordinary program, however, may become eligible for admission to the course leading to Type A certificates in a number of ways.

Further information for prospective teachers is available from the Registrars of the Colleges of Education.



Part-time Studies

The Part-time Studies program provides citizens of Peterborough and the Trent Valley with an opportunity to pursue a wide variety of courses leading to an Arts or Science degree, as well as general interest non-credit courses. The latter, while not recognized for University credit, may lead to certification by co-operating organizations.

Part-time courses for credit are available during the regular academic session or during the Summer Session. The introduction of the course credit system in 1970 eliminated almost all differences between part-time and full-time students. Part-time students may enrol in any course given at the University for which they have the prerequisite. Please consult the appropriate sections of this Calendar for details of requirements for Ordinary and Honours programs.

To accommodate part-time students whose schedule does not permit attendance during the day, a number of regular courses are held late in the afternoon, and a limited number in the evening. A long-range timetable of courses scheduled in the late afternoon or evening and during the Summer Session is available on request from the Part-time Studies Office.

Students seeking admission with advanced standing should consult the Admission and Registration section of this Calendar. Counselling for applicants and in-course part-time students is available through the Part-time Studies Office.

Applicants for advanced standing must send their Ontario Grade 13 certificates or equivalent with the application and must arrange for forwarding of official transcripts of their university records to the Director of Admissions.

Summer Session

The six-week Summer Session follows as closely as is practical the format of regular Winter Session courses, by including small-group teaching as well as lectures.

In addition to the six weeks of classroom work, students enrolled in the summer courses may be assigned pre-course reading and assignments. Pre-course seminars are also scheduled in a number of courses for Saturday mornings in late May or early June.

Students enrolled in the Summer Session are not permitted to take more than two courses during any one Summer Session, and in some cases only one course is allowed.

Graduate Studies

Programs of Graduate Studies are being introduced at Trent on a selective basis, with Master of Science programs now under way in Physics and Chemistry, and Master of Arts programs offered in History. Every program of Graduate Studies introduced at Trent will be submitted to the Appraisals Committee of the Ontario Council on Graduate Studies to ensure that it meets the high standards required for graduate studies in Ontario universities.

For further information, write to the Dean of Graduate Studies, Trent University, Peterborough, Ontario, or consult the Graduate Studies Calendar.



Student Services and Miscellaneous Information

University Bookstore

The University owns and operates a bookstore at 175 Hunter Street West, which is easily reached from the University buses. With some 3,000 square feet of floor space, the bookstore is well suited to meet the wide range of needs and interests of the students, faculty and the Peterborough community.

All books in print can be obtained on individual order. A collection of bibliographical tools is maintained which students and staff are encouraged to use.

The bookstore aims to be more than a mere outlet for textbooks and stationery supplies. To this end, records, artists' supplies, a wide range of periodicals, and books of general interest are made available. The bookstore seeks to create an atmosphere that will encourage the enjoyment of books and the building of a private library.

University Student Health Service

The University Student Health Service is located in Otonabee College and provides both medical and counselling services for full-time students. Emergency treatment is available 24 hours a day.

The University requires all students to carry both medical and hospital insurance. Students from Ontario must carry Ontario Health Insurance, the Government-sponsored plan that provides benefits for both medical and hospital care and for the services of certain health practitioners. Students under 21 may be covered by their own family plans.

For Canadian students from outside Ontario, coverage should be obtained from their own province. For students from outside Canada special arrangements may have to be made at the time of registration.

Students seeking medical treatment are charged a fee for service which is normally recoverable from their medical insurance.

Athletic Program

The University has developed a diversified athletic and recreational program which makes use of both the facilities developed on the campus and those available in the city and surrounding area. Located on the campus are a full-size flood-lit playing field, a quarter-mile track, tennis and squash courts, and a small ski slope with rope tow. The University also has its own sailboats, canoes and shells.



Arrangements are made within Peterborough for the use of rinks and swimming pools.

In the autumn of 1969, the University erected a temporary air-supported structure on the Nassau campus that provides during the winter months heated indoor facilities for such activities as badminton, basketball, fencing, judo, tennis, track, volleyball, karate, indoor soccer, and wrestling. Planning has been undertaken for the development of a permanent athletic fieldhouse that will include a gymnasium, squash courts, combative area and locker rooms.

The athletic program is organized to meet the varying interests of the students with competition for both men and women available at the inter-university, inter-college, and intramural levels. For the purpose of inter-university competition, Trent University is a member of the Ontario Universities Athletic Association.

Inter-university and inter-college competition is undertaken in badminton, basketball, curling, fencing, golf, hockey, harrier, judo, rowing, rugger, skiing, soccer, sailing, softball, squash, tennis, track, touch football, and volleyball. The University Resources Centre lends equipment to enable interested students to undertake regular camping and canoeing expeditions into the Kawartha hinterland.

Career Planning and Placement

Students seeking assistance in finding employment are invited to use the facilities of the Placement Office.

A principal concern of this office is the career planning of graduating students and their eventual employment. On-campus interviews are arranged with representatives of business, industry and government agencies. Students seeking information about teaching, professional schools, and graduate study also find this office useful.

Undergraduate Activities

The University community has fostered and developed a rich and varied program of social and cultural activities. Participation is invited in the numerous student organizations and activities. The early years of the University have seen the establishment and lively growth of literary magazines, a yearbook, a community action program, and of dramatic, art, music, debating and film societies, plus a student newspaper and many other activities and events.

Each of the College governments sponsors a wide variety of formal and informal activity.

Among the facilities that Peterborough offers to members of the University are a fine public library, a museum, a symphony orchestra, a varied theatrical program, and regular visits by musical and theatrical companies.

University Lodging Service

Students coming to Trent University who are not resident in the Colleges may obtain addresses of accommodation known to be available in Peterborough from the University's lodging service. Normally, the University will not arrange accommodation for non-resident students. Those students wishing to make use of this service should write to The Secretary, Committee on Colleges, Trent University, in advance of the Autumn Term.

All non-resident students of Trent University are members of a College and enjoy full use of its facilities, including its dining hall. The University maintains a frequent bus service which connects between centres of the University in the city of Peterborough and the Nassau Campus to the north of the city.

Bus Service

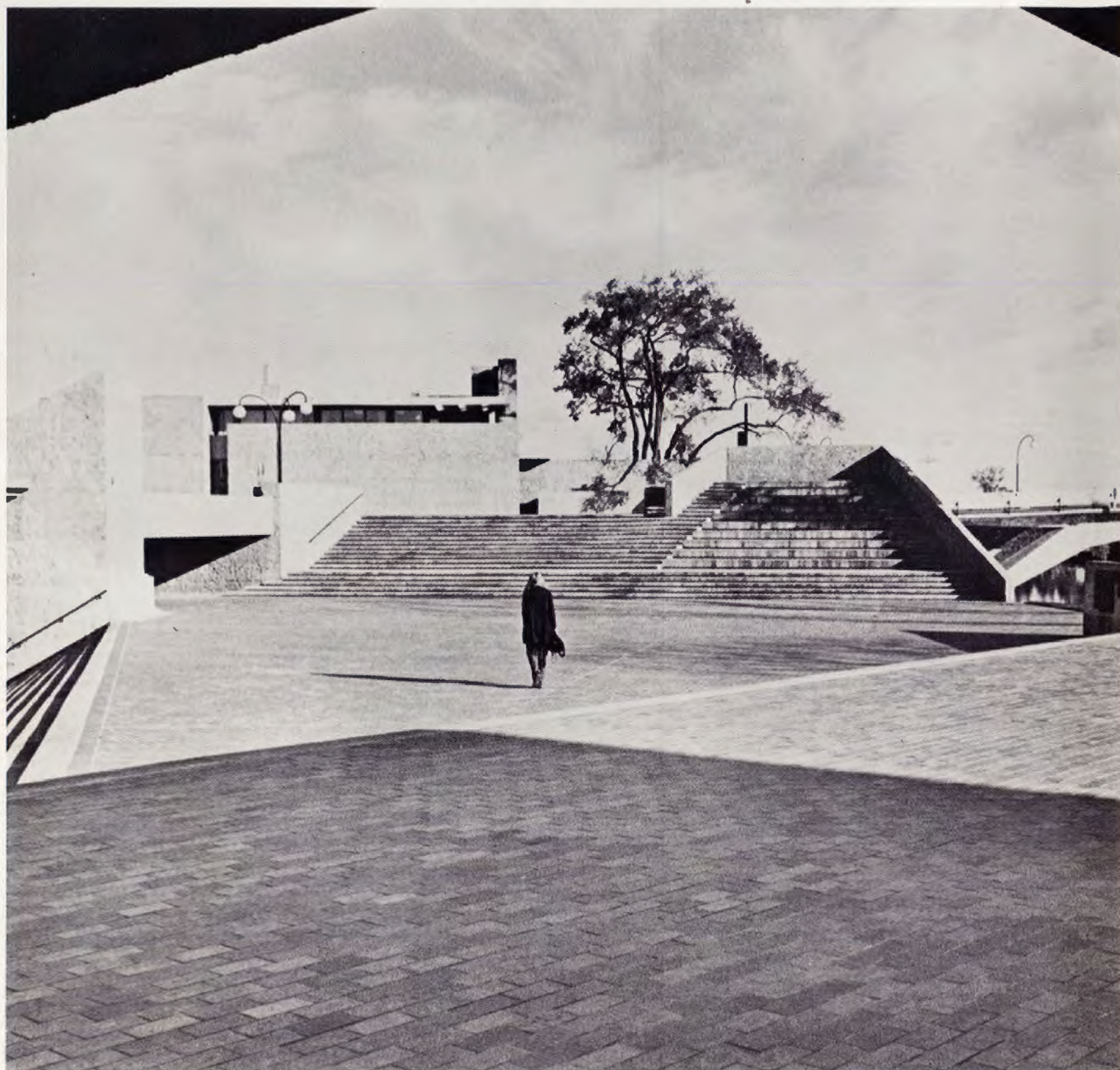
The University operates a free bus service linking the Nassau Campus with the two town colleges, the Bookstore and the Rubidge Hall complex, on a regular basis.

Further information
Office of the Registrar
Trent University
Peterborough, Ontario

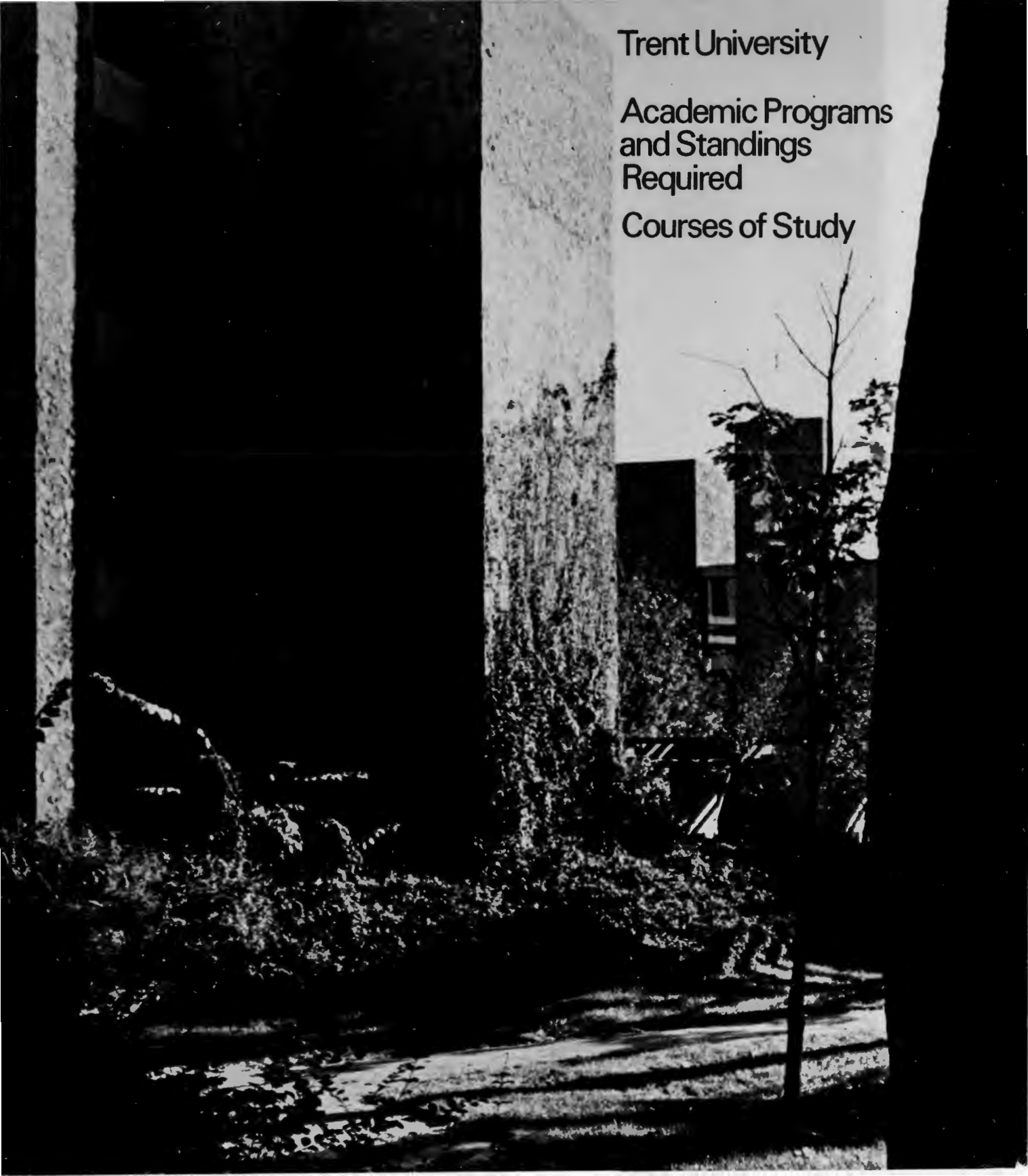
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Phone (705) 748-1215

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Trent University

Academic Programs
and Standings
Required

Courses of Study

University Diary

Autumn Term / 1973

Aug.	31	Friday	Final date for payment of first instalment of fees
Sept.	3	Monday	Labour Day
Sept.	9	Sunday	Arrival of new students
Sept.	10	Monday	Introductory seminar begins
Sept.	16	Sunday	Arrival of returning students
Sept.	17	Monday	Classes begin
Sept.	20	Thursday	Meeting of the Senate
Oct.	5	Friday	Final date for changes in registration
Oct.	8	Monday	Thanksgiving Day
Oct.	18	Thursday	Meeting of the Senate
Oct.	27	Saturday	Classes end
Oct.	29	Monday	Residential Reading and Laboratory Week begins
Nov.	5	Monday	Classes resume
Nov.	15	Thursday	Meeting of the Senate
Dec.	15	Saturday	Classes end
Dec.	16	Sunday	Christmas Vacation and Reading Period begins

Winter Term / 1974

Jan.	1	Tuesday	New Year's Day
Jan.	3	Thursday	Classes resume
Jan.	17	Thursday	Meeting of the Senate
Feb.	2	Saturday	Classes end
Feb.	4	Monday	Final date for payment of second instalment of fees
			Residential Reading and Laboratory Week begins
Feb.	11	Monday	Classes resume
Feb.	21	Thursday	Meeting of the Senate
Feb.	28	Thursday	Final date for withdrawal without penalty
Mar.	9	Saturday	Classes end
Mar.	10	Sunday to	March vacation and
Mar.	24	Sunday	Reading period
Mar.	28	Thursday	Meeting of the Senate

Spring Term

Mar.	25	Monday	Classes resume
Apr.	12	Friday	Good Friday
Apr.	18	Thursday	Meeting of the Senate
Apr.	24	Wednesday	Classes end
Apr.	25	Thursday	Examinations begin
May	1	Wednesday	Final date for receipt of applications for admission to the Summer Session
May	8	Wednesday	Examinations end
May	12	Sunday	Summer vacation and Reading Period begins
June	7	Friday	Convocation
June	30	Sunday	Final date for receipt of applications from mature applicants

Summer Session

July	1	Monday	Dominion Day
July	2	Tuesday	Summer Session classes begin
July	15	Monday	Normal closing date for appeals
			Final date for payment of deposit against fees
Aug.	5	Monday	Civic Holiday
Aug.	10	Saturday	Summer Session classes end
Aug.	12	Monday	Summer Session examinations begin

Academic Programs and Standings Required

The Faculty of Arts and Science of the University offers at the undergraduate level both an Ordinary program leading to the degrees of Bachelor of Arts and Bachelor of Science upon successful completion of 15 courses, and an Honours program leading to these same degrees with Honours upon successful completion of an additional four- or five-course program. The degree programs are designed to be flexible so that the particular needs and interests of individual students may be satisfied. Each student chooses his program in consultation with his supervisor of studies or counsellor, who seeks to ensure that the program is coherent.

Assessment of Performance

Work done during term and in the reading periods, any mid-year or other examinations, and any final examinations will be considered in determining an undergraduate's final standing in each course.

At the beginning of each year students will be informed of the method of assessment of achievement in each course. Students' attention will also be directed to the provisional syllabus at the start of each year. This syllabus may be subject to some modification as the work of the year progresses.

Vacation Reading and Study

The value of the academic program to the student depends to a considerable extent on reading and study done during the vacations.

Residential Reading and Laboratory Weeks

During residential reading and laboratory weeks no formal class meetings or examinations are held, but students continue their studies at the University, under the guidance of their tutors. The library and laboratories are open to students during these periods.

Grades

There are four passing grades: A, B, C, D; and one failing grade: F. Undergraduates are informed of their standing in each course. There are no supplemental examinations.

Aegrotat Standing

Petitions for special consideration because of sickness or misfortune at any time during the academic session should be sent to the Registrar as soon as possible, together with medical certificates or other evidence. The University may grant aegrotat standing, or permission to write special examinations, but because aegrotat standing must be based on the achievements of the student throughout the whole of the academic year, it is not appropriate to request such standing as a result of prolonged illness. (See also Withdrawal section below.)

Probation

A student whose performance has been unsatisfactory may be allowed to continue his studies on probation. The Committee on Academic Standing will review the progress

of students on probation and may recommend that probation be lifted or if no improvement occurs such students may be rusticated for one year.

Withdrawal

With the exception of half courses completed before Christmas, any course confirmed by November 1 may be dropped prior to March 1 without academic penalty. A student dropping a course on March 1 or thereafter shall be deemed to have failed that course.

Students withdrawing from a half course, conducted during half of the year, are advised to consult the regulations governing half courses as outlined under Courses of Study.

A student withdrawing either from a course or from the University should consult his supervisor of studies and his College head (or Part-time Studies Office if applicable) and must notify the College head (or Part-time Studies Office) in writing.

If written notice of withdrawal is not received the student may be charged with an academic failure.

If a student is ill for a period after March 1 and sends the Registrar medical certificates or other appropriate evidence, he may be granted permission to withdraw without penalty.

Rustication and Debarment

The case of any student who has failed two courses will be automatically reviewed by the Academic Standing and Promotion Committee: and that student's case will be reviewed following each subsequent failure. The Committee has the power to decide upon rustication and debarment, subject always to the student's right of appeal to the Special Appeals Committee.

Rustication

In general, rustication, i.e., refusal of permission to enrol for a year, will result from any one of the following circumstances (among others):

- a) three failures in the first five courses, the second five courses, or the third five courses attempted;
- b) five failures in total;
- c) failure to achieve at least one grade of C or better in a sequence of five courses attempted.

Debarment

Two further failures on return from such a year of rustication will lead to debarment from the University, and in this case the student will not be eligible for re-admission for a minimum of three years.

In interpreting these rules, a transfer student's record at the other university will be taken into account.

Transfer of Credits

Students are normally required to complete half of their degree program at Trent University. Students who transfer from another university will be granted advanced standing

on an individual course basis for courses which are directly comparable to courses offered at Trent. Unassigned credit up to a maximum of five courses may be granted for courses which are equal in standard but not comparable in content to courses offered at this University. Students transferring credits will be governed by promotion regulations as outlined in this Calendar under the Ordinary Program section.

Study at Other Universities

A student may be permitted by the individual departments, and/or the Undergraduate Studies Committee, to take courses elsewhere for credit toward a degree program. A letter of permission to undertake such courses must be obtained from the Registrar's Office before taking the course. Retroactive approval will not be granted. There is a \$10 per course fee normally charged for such letters of permission. Students wishing to undertake summer courses at another university on a letter of permission are advised to undertake only one and will not be permitted to attempt more than two full courses during the Summer Vacation and Reading Period.

The maximum number of whole courses for which credit may normally be given is five in either an Ordinary or Honours program. It should be noted that the last five courses offered by a candidate for a degree are normally to be completed at Trent. A registration and supervision fee of \$50 will be charged students granted permission to attempt five course credits from another university.

Study at Foreign Universities

Students, particularly in modern languages, wishing to take a full year of study at a foreign university or in French Canada must have the plan of study approved by the department(s) of major concentration before a leave will be granted. Courses in such programs should be roughly comparable to those which would have been taken had the year been done at Trent.

Normally, this year of study abroad should constitute the third year of an Honours program. Under special circumstances, and at the recommendation of the department(s) concerned, a student may be permitted to undertake the fourth or Honours year abroad, and so qualify for a Trent Honours degree.

A registration and supervision fee of \$50 will be charged students granted leave to study abroad for one year for credit towards a Trent degree.

Appeals

A student may appeal the assessment of term assignments and tests during the course of the year. Such appeals should be directed to the course instructor and subsequently, if necessary, to the Chairman of the Department.

Final grades in individual courses will be reviewed by the department concerned and submitted to the Registrar, countersigned by the Department Chairman. All failing grades will receive special scrutiny by a departmental committee.

Before final release, the grades of each undergraduate will be reviewed by a committee of Senate. Every student has the right to appeal final standing in any course, regardless of grade, but in considering such appeals grades given for term work in the course of the year will not normally be reassessed. All appeals should be made in writing to the Registrar before July 15, or September 30 in the case of summer session. A fee of \$15 will be charged for the handling of an appeal, refundable if the grade is raised.

Students enrolled at Trent University who believe that the application of University regulations have worked undue hardship on them should first appeal to the Chairman of the Department or Committee responsible for the adverse ruling; in many instances the Chairman may see fit to refer the appeal to the Undergraduate Studies Committee or the Committee on Academic Standing.

If, after exhausting all other areas of appeal, students still feel that undue hardship has been worked on them they may appeal to the Special Appeals Committee. Such appeals should be made in writing to the Chairman of the Special Appeals Committee, normally before July 15 or September 30 in the case of summer session. All decisions of the Special Appeals Committee are final and take effect when issued.

Students wishing to take a program not outlined in this Calendar may, after consultation with their supervisor of studies or counsellor, make a petition to the Chairman of the Undergraduate Studies Committee.

Course Credit

Students retain credit for every course and every half course successfully completed. Two half courses count as the equivalent of one full course, and the student's grade in a half course will be announced as soon as it is known. The transcript will show each course and half course and the grade achieved.

Course Sequence and Load

The normal load in a regular session is considered to be the equivalent of five full courses for credit, and students will only be permitted to take additional courses upon successful petition to the Undergraduate Studies Committee. Such petitions must be endorsed by the Supervisor of Studies and presented to the Senior Tutor before they will be considered by the Undergraduate Studies Committee. It is expected that most students will take five *One-hundred* series courses, followed by five *Two-hundred* series and then by five *Three-hundred* series courses.

Under the Courses of Study section, it will be found that several departments permit freshman students to take two *One-hundred* series courses or a *One-hundred* and a *Two-hundred* or *Three-hundred* series course in one discipline. Students availing themselves of this opportunity may do so in one department only and thus are required to include courses from four different disciplines among their regular five-course selection.

If it is desired to take senior courses earlier in the sequence, the student should consult tutors from the departments involved to ensure departmental permission, and that no problem will arise concerning prerequisite status.

Students are permitted to register in a maximum of two courses (for credit) in any particular summer session, but it is strongly advised that not more than one such course should be attempted.

Any student who wishes to enrol in six regular courses and two summer school courses in the same year whether the summer session immediately precedes or follows the winter session, is required to apply, through his supervisor, to the Undergraduate Studies Committee. The application must be accompanied by a supporting statement from the chairman of the department in which the student is majoring; or, in the case of a freshman student, by the Chairman of the Committee on Admissions.

Program Changes

Course changes must be made on a form available from the Supervisor of Studies, or in the case of part-time students from the Part-time Studies Office.

A student wishing to change a course must have his form initialled by the instructor of the course which is being dropped, then by the instructor of the course being added and then endorsed by the Supervisor of Studies. Students wishing to change major programs, or to enter the general degree program, must do so not later than the Friday before Thanksgiving. Entry into a general degree program must receive approval from the Undergraduate Studies Committee.

A student wishing to drop a course must use the same form and have it initialled by the instructor of the course which is being dropped and endorsed by the Supervisor of Studies.

The student is responsible for making sure that all copies of the change form are received at the Registrar's Office in accord with the following deadlines. Both additions and changes of full or *a* half courses after the Friday before Thanksgiving are subject to a fee of \$10. No full or *a* half course additions or changes are permitted after November 1. Similarly, November 1 is the last date for withdrawal from *a* half courses without academic penalty. No *b* half course additions or changes are permitted after the third week of the second term. February 28 is the last date for withdrawing from full and *b* half courses without academic penalty.

If, as the result of program changes, a student changes his status from full-time to part-time or vice versa, the College Head and Part-time Studies Office must be notified in writing.

Ordinary Program

An Ordinary Degree is awarded upon the successful completion of fifteen courses, or the equivalent where special arrangements have been approved, subject to qualifications a), b) and c) below:

- a) Of the fifteen courses counted toward the Ordinary Degree not more than seven may be *One-hundred* series courses, and at least four full courses in the *Three-hundred* series (or equivalent) must be included. Moreover no student may count, for credit toward the Ordinary Degree, more than eight of the courses offered in any one subject;
- b) For an Ordinary Degree, a student must obtain a minimum of C standing in at least twelve of the fifteen passed courses and a minimum of C in at least seven *Two-hundred* or *Three-hundred* series courses. A course may be repeated (for credit) only if the grade on the preceding attempt was either D or F;
- c) Of the minimum number of courses required for a major, not more than one with a D standing may be accepted.

Undergraduates may choose to pursue a single-major, a joint-major, or a general degree program.

Single-Major Program

This program is designed for the student who wishes a broad education, with concentrated work in a single subject to provide a focal point of study. A student is not normally permitted to major in a particular subject, unless he has received credit, with a C grade or better, in the *One-hundred* series course of that subject. Precise requirements for a major depend on departmental recommendations and regulations, but in no case will the total number of courses for credit in the subject of the major be less than five or greater than eight. Students wishing to undertake a single-major should consult their tutors in the discipline concerned.

Joint-Major Program

This program is designed for students wishing to take a fairly specialized education in two subjects. A student is not normally permitted to enrol in a joint-major program, unless he has received credit, with a C standing or better, in the *One-hundred* series course in each of the disciplines concerned. Precise requirements for a joint-major depend on departmental recommendations and regulations, but in no case will the total number of courses for credit in each of the subjects of the joint-major be fewer than five or more than six.

Students wishing to undertake a joint-major program should consult their supervisors as well as their tutors in the two disciplines concerned.

General Degree Program

This program is designed for students wishing to take a broad range of courses, but without specialization in any particular discipline. Enrolment in such a program normally takes place after completion of the first five courses for credit.

Interdisciplinary Studies and General Degree Programs

The University believes that a dynamic academic community should be prepared to introduce innovations in approaches to learning that appear to have considerable merit but which do not fall within the rubric of the traditional disciplines.

Grouped on these pages are programs and other offerings which express this philosophy. Although students cannot major in these areas at this time, they can, in several cases, earn a notation of these areas of concentration on their transcript by meeting the criteria indicated under the particular heading. These courses can also be taken separately.

Also listed here are courses such as Comparative Literature, Computer Science and Statistics, which support work in several disciplines. Courses offered under the direction of individual colleges but which are full university credits are also listed here.

General Degree programs are designed for students wishing to take a broad range of courses but without specializing in any particular discipline. Interested students should read carefully the regulations as outlined in the section Academic Programs and Standings Required.

New interdisciplinary courses in the Sciences are in the planning stage: Please consult Calendar Supplement to be published in late August.

Canadian Studies

Professor and Chairman of the Program

Alan Wilson, M.A. (DALHOUSIE), PH.D. (TORONTO)

Assistant Professors

Paul Reed, M.A. (TORONTO); J.H. Wadland, M.A. (WATERLOO)

Note

Members of the Departments of Anthropology, Economics, English Literature, French Studies, Geography, History, Native Studies, Politics, Philosophy and Sociology participate in the planning and instruction in the Program.

The Canadian Studies Program, introduced at Trent in 1972-73, will offer at least four courses in 1973-74. Any student who has completed five credits may apply for the various courses offered under the auspices of the Program, whether or not they have formed any formal attachment to the Program.

Students formally entering the Program after completing five university credits may undertake either a two- or three-year course. In the fourth university year, students will be able to undertake as their major the Canadian Studies Honours Program, which is now being developed. At all levels the program encourages the interdisciplinary examination of Canadian experience.

Students formally entered in the two-year program will be required to undertake the basic multi-disciplinary *Canadian Studies 200* and *300*, and at least one or two other Canadian

Studies courses in each year. The balance of their courses in any given year is determined by agreement between the student, the department of his major and his Canadian Studies advisers.

Canadian Studies 200

Canada: The land. An interdisciplinary enquiry into the function and idea of the land in Canadian experience; concepts of the land in history, geography, literature and philosophy; the land in settlement, land policy, politics, and conservation.

Prerequisite: none. Lecture weekly; tutorial weekly.

J.H. Wadland and staff

Canadian Studies 210

History of art and architecture in Canada. An introductory investigation of the development of art and architecture in Canada from prehistoric times to the present, viewed in the perspectives of historical events and socio-cultural changes. Prerequisite: none. Two-hour illustrated lecture weekly; two-hour tutorial fortnightly. Field trips to significant architectural monuments and nearby art galleries and museums.

J.M. Vastokas

Canadian Studies 300

Canada: The development of community and identity. The nature and forms of community in Canada, from such varied perspectives as province and nation, history and social structure; links between individuals, groups and institutions as provided by community and identity. Prerequisite: none. Lecture weekly; seminar fortnightly.

P. Reed and staff

Canadian Studies 310

Public Policy and the Canadian Environment. A study of current issues in Canadian public policy relating to resource management, conservation, population and pollution control. These will be approached in the wide context of worldwide environmental problems and their special implications for Canadian politics, economics and socio-cultural values. Prerequisite: none. Lecture weekly; two-hour tutorials fortnightly.

R.C. Paehlke and H.M. Kitchen

Students proposing to emphasize Canadian Studies may wish to consider some of the following courses in which methodology or content are considered by the departments to be especially significant for Canadian Studies:

French 100: French language in a Canadian context

Geography 101: Man in the environment

History 100: Introduction to Canadian history

Politics 100: Introduction to the Study of Politics

Sociology 100: Introductory

Anthropology 201: Native societies of Canada (not given in 1973-74)

Anthropology 211: Field archaeology (summer only)
Economics 210: Public finance
French 250: Quebec civilization
Geography 230: Recreation geography
Geography 260: Geography of Canada
Geography 272b: Canadian cities
History 230: Canadian urban history
Politics 200: Canadian government and politics
Sociology 211: Sociological enquiry: macrosociology
Anthropology 311: North American archaeology
English 360: Studies in Canadian literature
English 361a: Canadian literature in English
English 362b: French-Canadian literature in translation
French 321: French-Canadian poetry and drama (not given in 1973-74)
French 390: French-Canadian prose literature
Geography 330: Historical geography (not given in 1973-74)
Geography 364a: Geography of the Arctic
Geography 390b: Regional economic development
History-Politics 300: Canadian federalism
History 301: French Canada to 1840
Sociology 340b: Sociology of education (not given in 1973-74)
Sociology 362a: Social administration
Sociology 382a: Population and cities
Sociology 386: Canadian social structures
Sociology 387a: Sociology of law
Sociology 388a: Selected topics in Canadian society (not given in 1973-74)
Sociology 389b: Canadian labour force
Anthropology 413: Historical archaeology of Canada (not given in 1973-74)
Anthropology 422a: Ethnohistory of Canada (not given in 1973-74)
History-Politics 400: Contemporary Canadian problems
History 401: Growth of British North American provinces
History 402: Late Victorian Canada
History 410: American-Canadian reform movements (not given in 1973-74)
Politics 420: Foreign policy analysis (USA and Canada)

Note: See also descriptions of courses offered in *Department of Native Studies*.

Development Studies

A number of courses are being offered by several departments exploring the peculiar problems which face developing countries. First-year students who are attracted to this area of investigation should pursue courses in their first-year program which will provide an adequate background for the offerings listed below. In some cases, language courses may represent a wise choice, as well as offerings in the humanities and social sciences.

Anthropology 221: Applied anthropology
Anthropology 301: Peoples and cultures of Africa
Anthropology 303: Peoples of the Caribbean
Anthropology 304: Latin America
Economics 330: Development economics
History 340: Problems in imperialism 1850-1960
Politics 350: The politics of development
Politics 351: Politics and social change in Africa
Sociology 385: Comparative social structures
Economics 440: Economic development, Latin America

Also courses in cultural anthropology.

Social Theory

These courses are jointly sponsored by the Departments of History, Politics, Philosophy and Sociology. They consider the interplay among these various disciplines and the tradition of intellectual speculation aiming at comprehensive, morally relevant social interpretation. The courses are designed to meet several possible student concerns. In addition to the general interest in the subject, students may find that these courses serve as a useful complement to majors in a number of disciplines. Some may consider using them as the core for a cohesive general degree program. See the section Academic Programs and Standings Required for information concerning this option. All questions relating to Social Theory should be addressed to the appropriate College Social Theory Adviser:

David Kettler, Champlain
 Andrew Wernick, Lady Eaton
 David Cameron, Peter Robinson
 Lionel Rubinoff, Trail

Social Theory 200

An introductory seminar devoted to the work of several contemporary social theorists. Special attention is paid to understanding the formation of intellectual concerns which move them and to contrast between their approaches and those common in more specialized disciplinary efforts. Among the writers considered are Aron, Arendt, Mannheim, Marcuse, Popper, as well as earlier writers who helped to define the contemporary problems of social theory. Weekly meetings.

D. Kettler and staff

Social Theory 300

A critical evaluation of problems arising from the attempt to translate research in the social and historical disciplines into social theories and social policies and, ultimately, into social and political action. Among the issues to be analyzed are: logical connections between research and policy; the responsibilities of scholars; the fact-value relation in research and policy-formation. Prerequisite: Third-year standing or permission of instructor. Weekly meetings and monthly workshops.

L. Rubinoff and staff

Social Theory 400

A reading course designed primarily for students enrolled in a general degree program with a Social Theory concentration. Prerequisite: Arrangement with the Social Theory Advisers.

Other related courses include:

Sociology 210: Microsociology

Sociology 211: Macrosociology

Philosophy 214: Existentialism and phenomenology

History 220: Modern European history

Philosophy - Politics 233: Introduction to political philosophy

Philosophy 270: Philosophy of science

Sociology 311: Social innovation

Philosophy 312: Philosophy in the Nineteenth Century

Sociology 321: Methods of research and analysis

Philosophy - Politics 333: Revolutionary theory

Philosophy - Politics 334: Liberal democratic theory

Politics 335: Political Ideology

Philosophy 374b: Philosophy of law

Philosophy 376a: Philosophy of social science

Politics 410: Contemporary political analysis

Politics 440: Marxism: criticism and development

History - Philosophy 470: Philosophy of history

Comparative Literature

The courses in Comparative Literature are centred on the theme of tradition and change in the literature written in the main European languages during the Twentieth Century. The works to be discussed will be studied in translation. Programs and preliminary reading lists are circulated in the spring. Enrolment will be limited.

Comparative Literature 200

Studies in Twentieth Century poetry and fiction. One lecture fortnightly and one tutorial weekly. (Not offered in 1973-74.)

Comparative Literature 300

Studies in the development of Twentieth Century drama. One lecture fortnightly and one tutorial weekly.

I. McLachlan

Computer Science

Computer Science 200a

Introduction to computer science: Algorithmic approaches to problem solving using digital computers, flowcharting, programming languages, the science of computing, systems analysis, data manipulation, simulation. Course suitable for anyone using quantitative analysis. There are no mathematical or science prerequisites. Open to students in second year and

above, and first-year students with permission of instructor. Two lectures weekly plus periodic workshops.

J.W. Jury

Computer Science 201b

Advanced topics in Computer Science: Language structures, data structures, computer operating systems, COBOL ALGOL and DYNAMO programming languages, Job Control Language, data communication, computer graphics. An extension of *Computer Science 200a*, suitable for those using quantitative analysis in a variety of disciplines. Prerequisites: *Computer Science 200a* or permission of the instructor. Two class meetings and a workshop weekly.

J.W. Jury

Statistics

Statistics 100

Elementary statistics: An introduction to statistics for students in the social sciences. Not intended for students with a background in Mathematics, nor to be credited toward a major in Mathematics. Two lectures weekly, seminar fortnightly.

E.A. Maxwell

College Courses

Science in Society 100

A course for non-scientists in basic science, using topics drawn from areas of current societal concern, such as pollution, computerization, population explosion, energy conservation, and the Canadian environment. Open to students of all colleges and all years, but preference is given to Lady Eaton students and to those enrolled in Arts programs. No prerequisite. Enrolment limited to 28 students. Preregistration invited. One two-hour lecture/discussion and one tutorial weekly, occasional laboratory sessions and field trips. Contact the Senior Tutor of Lady Eaton College for further details and to preregister.

Fellows of Lady Eaton College

Man and Survival 200

An interdisciplinary treatment of basic issues related to man's survival as a biological and social organism. Mechanisms of survival arising from natural selection and demographic principles will be studied in comparative perspective to demonstrate man's position in relation to the animal kingdom. An objective analysis will be undertaken of contemporary threats to survival with consideration given to the types of controls which may prove effective. No prerequisite. Course primarily open to second- or third-year students. One two-hour lecture weekly, tutorials throughout the year.

Fellows of Peter Robinson College

Canadian-American Relations 300

One Continent, Two Nations: The Limits of Canadian Autonomy. This course will introduce students to some of the problems and opportunities we face as citizens of a nation

next door to a superpower. The series of weekly panels, talks and seminars will be introduced by two general lectures, one on the historical attitudes of Canadians to the United States and the policies which have reflected those attitudes over the last hundred years on the problems posed when two countries share common continental resources. The remaining weeks of the academic year will be devoted to particular topics, among them international unions and multi-national corporations, the Canadian publishing trade, international waters, and an examination of the possibility and worth of distinctive Canadian content in television or literature.

Fellows of Champlain College

Reading Course Option

The Academic Development Committee has approved on a trial basis a proposal to permit students to enrol in regular courses on a reading basis.

A student who has satisfactorily completed his first five courses of study may apply to take up to three regular courses a year independently on a reading basis. The option is offered to a limited number of students only in courses in which the subject material is appropriate for private study. Before the option is extended in any course, it must be approved by the tutor and his department. The deadline for registration is October 31.

Anthropology

Associate Professor of Anthropology and Chairman of the Department

R.K. Vastokas, M.A. (TORONTO), PH.D. (COLUMBIA)

Professors

R.B. Johnston, M.A., PH.D. (INDIANA); K.E. Kidd, M.A. (TORONTO), F.R.A.I.

Associate Professors

P.D. Harrison, M.A. (TORONTO) PH.D. (PENNSYLVANIA); H.S. Helmuth, D.SC. (KIEL); Evelyn M. Todd, B.A. (TORONTO), PH.D. (NORTH CAROLINA); C.H. Torok, M.A. (BRITISH COLUMBIA), PH.D. (TORONTO) (on leave 1973-74); K.A. Tracey, B.SC. (HOWARD), D.SC. (KIEL); Joan M. Vastokas, M.A. (TORONTO), PH.D. (COLUMBIA), F.R.A.I.

Assistant Professors

R.S. Hagman, B.A., PH.D. (COLUMBIA); Linda J. Hubbell, M.A., PH.D. (BERKELEY); B.W. von Graeve, M.A. (TORONTO)

Special Cross-Appointment with Royal Ontario Museum
Kent Day, B.A. (UTAH), PH.D. (HARVARD)

Required Courses

Single-major Ordinary program. Minimum five courses in Anthropology

Anthropology 100
200
212 or 221
230 or 240

Joint-major Ordinary program. Minimum five courses in Anthropology

Anthropology 100
two of 200, 212, 221, 230, 240

Single-major Honours program. Minimum eight courses in Anthropology

Anthropology 100
200
212
230
240
420

two other four hundred series courses

Joint-major Honours program. Minimum six courses in Anthropology

Anthropology 100
200
212
230
240
420

Special Provisos

—To be eligible for admission to a single-major Honours program, a student must have obtained standing in the four sub fields namely in *Anthropology* 200, 212, 230, and 240, while qualifying for the ordinary degree.

—Course selection in any joint-major program must be approved by the department.

—Details of prerequisites are given under the individual course listings, but it should be noted that *Anthropology* 100 is a normal prerequisite for other courses in Anthropology.

Anthropology 100

Introductory Anthropology: A survey of the four fields of anthropology: Physical Anthropology, Archaeology, Cultural Anthropology, and Linguistics. Major topics of discussion will be human development, Old World and New World archaeology, patterns of culture among preliterate societies, and languages and communication. Two-hour lecture weekly, fortnightly tutorials and a laboratory session.

R.B. Johnston and staff

setting. Prerequisite: *Anthropology 200*. Enrolment may be limited. Two hours of tutorials weekly.

R.K. Vastokas, R.S. Hagman, E.M. Todd, B.W. von Graeve

Anthropology 422a

Ethnohistory of Canada: A study of the principles of ethnohistorical research with special attention to their applicability to Canadian materials; and of the native cultures as reported in documentary sources, their interactions with the invading cultures, and some of the problems arising therefrom. Historical source materials and archaeological evidence will be surveyed. The course will be devoted to the study of British contacts. Prerequisite: *Anthropology 100* or permission of instructor. (Not offered in 1973-74.)

Anthropology 423

Culture and Communication: Analysis of the effects of culture on patterns of non-verbal communication. Discussion of kinesics, proxemics and paralinguistics. Prerequisite:

Anthropology 200 or *230* or permission of instructor. One two-hour seminar weekly.

R.K. Vastokas

Anthropology 430

Field Methods in Linguistics: A research project in which an unfamiliar language is studied by working directly with a native speaker. Prerequisite: *Anthropology 230* or permission of instructor. Two-hour laboratory weekly. Independent study and periodic consultation with instructor. Open to third year students. (Offered in 1974-75 and alternate years.)

Anthropology 431

Algonquian Linguistics: Principles of linguistic analysis and reconstruction applied to languages of the Algonquian family; detailed study of phonology, morphology and syntax of selected Algonquian languages spoken in Canada, especially Ojibwa and Cree, including work with a native speaker.

Prerequisite: *Anthropology 230* and permission of instructor. Two-hour laboratory weekly, occasional lectures. Open to third-year students. (Offered in 1973-74 and alternate years.)

E.M. Todd

Anthropology 440

Advanced Physical Anthropology: Demonstration and practice in the use of anthropometric, dermatoglyphic and serological techniques in physical anthropology. Prerequisite:

Anthropology 240 or permission of instructor. Enrolment may be limited. Instruction will be by means of laboratories and seminars involving three hours of work weekly, and occasional field trips.

H.S. Helmuth

Anthropology 450

Anthropology of Art: An anthropological analysis of the visual arts of Western and non-Western peoples. Works of art

will be examined cross-culturally in terms of product, process, and communication. Prerequisite: *Anthropology 100* and *350* or permission of instructor. (Not offered 1973-74).

Anthropology 490

Reading Course: A course designed to pursue special interests, largely through independent study. Details to be arranged in consultation with staff in Anthropology during the Spring Term of the preceding year.

Biology

Chairman of Department
(Vacant)

Professor

R.L. Edwards, M.A., D.PHIL. (OXON.), F.R.E.S.

Associate Professors

J.E. Nighswander, B.SC.F. (TORONTO), PH.D. (WISCONSIN);
P.M. Powles, B.A., M.SC. (WESTERN ONTARIO), PH.D. (MCGILL);
I.M. Sandeman, B.SC. (ST. ANDREWS), F.L.S.

Assistant Professors

Michael Berrill, B.SC. (MCGILL), M.SC. (HAWAII), PH.D. (PRINCETON) (on leave 1973-74); Roger Jones, B.SC. (WALES), M.SC. (KANSAS), PH.D. (WALES) (on leave 1973-74);
D.C. Lasenby, B.SC. (TRENT), PH.D. (TORONTO);
T.R. Matthews, B.SC. (SOUTHAMPTON)

Lecturer

Christine D. Johnson, B.SC. (NORTH WALES)

Required Courses

Single-major Ordinary program. Minimum six courses in Biology

Biology 110

120

Four other Biology courses at two-hundred or three-hundred level

Chemistry 100 or *101*

Joint-major Ordinary program. Minimum five courses in Biology

Biology 110

120

Three other Biology courses

Single-major Honours program. Minimum nine courses in Biology

Completion of Single-major Ordinary program
Biology 400

A minimum of two additional three-hundred or four-hundred series courses in Biology.

Joint-major Honours program.
Completion of single-major or joint-major program.
Program to be approved by the departmental committee.

Recommended Additional Courses

Single-major Ordinary program

Physics 100

Chemistry 210

Mathematics 100 or Statistics 100

Joint-major Program

Chemistry 100 or 101

Mathematics 100 or Statistics 100

Note

—In some cases, with permission of the department, one of *Biology 110* or *120* may be taken along with *Biology 100* as part of a first year program.

—All *three-hundred* and *four-hundred* series courses except *Biology 400* and *490* can be taken in either third or fourth year, and some will be offered only in alternate years. Students wishing to register in a *three-hundred* or *four-hundred* series course outside of their year must obtain permission of the instructor.

—Transfer students should consult the department before selecting courses.

—The departmental committee should be consulted for departures from any of the above programs.

Charges may be made for field trips in some courses.

Biology 100

General Biology: An introduction to Biology, investigating such diverse topics as ecology, physiology and evolution, particularly as they affect mankind. This is a course for students who have not had Grade 13 Biology, or do not intend to major in Biology. Two lectures and one three-hour laboratory period weekly; tutorial fortnightly.

D.C. Lasenby

Biology 110

The Animal Kingdom: A comparative study of the main groups of animals, their structure, development, physiology, life history, and phylogenetic relationships. Prerequisite: Grade 13 Biology or *Biology 100*, or by arrangement with instructor. Lecture, three-hour laboratory period, and seminar or tutorial fortnightly.

I.M. Sandeman and staff.

Biology 120

The Plant Kingdom: An introduction to plant biology which will include a comparative study of the main groups of plants, their structure, development, physiology, life histories, and phylogenetic relationships. Recommended: Grade 13 Biology or *Biology 100*. Two lectures, three-hour laboratory per week and a tutorial every three weeks.

C.D. Johnson

Biology 202

Ecology: Relationships of plants and animals to their total environment; the study of populations and communities within various ecosystems. Prerequisite: *Biology 110* or *120*. Recommended: *Statistics 100*. Lecture, three-hour laboratory and seminar or tutorial fortnightly. Field trips, which must be attended, will be held from September 10 to 14 inclusive. *R.L. Edwards and staff.*

Biology – Anthropology 203b

Population Genetics and Evolution: A study of the genetic basis of evolution at the population level. Prerequisite:

Biology – Anthropology 286a or permission of instructor.

Recommended: *Statistics 100*. Lecture, three-hour laboratory, and seminar or tutorial weekly.

J.E. Nighswander

Biology 211

Vertebrate Zoology: The evolution, taxonomy and functional morphology of the vertebrates. Highly recommended: *Biology 110*. Lecture, three-hour laboratory weekly and seminar or tutorial fortnightly.

Biology – Anthropology 286a

General genetics: Fundamental genetic principles, including classical and molecular aspects. Prerequisites: At least one of *Biology 100*, *110* or *120* or by arrangement with instructor. Lecture, three-hour laboratory weekly; and seminar or tutorial weekly.

J.E. Nighswander

Biology 303b

Biological techniques: A practical course in microtechniques. Theory of nucleocytoplasmic relations in plant and animal cells. Practice in histological and histochemical techniques in the microscopic study of plant and animal materials. Prerequisite: *Biology 110* and *120* or by arrangement with the instructor. Lecture, tutorial, three-hour laboratory weekly. (Offered in 1974-75 and alternate years.)

Biology 305

Limnology: Biology, geochemistry and physics of fresh water lakes. Highly recommended: *Biology 202* and *Chemistry 100* or *101*. Lecture and seminar or tutorial weekly; six-hour laboratory fortnightly; field trips. (Offered in alternate years commencing 1973-74.)

D.C. Lasenby

Biology 311

Insect Biology: A general introduction to the world of insects; their structure, physiology, behaviour, classification and ecology. Special emphasis will be placed on the way in which insects affect mankind, including their economic influences, both beneficial and detrimental. Recommended: *Biology 110*. Two lectures and one three-hour seminar in the laboratory each week; tutorials and field trips as appropriate. (Offered in 1974-75 and alternate years.)

Biology 312a

Developmental Biology: The concepts and processes of development as illustrated by regeneration and embryonic and cancerous growth of organisms. Recommended: *Biology 110* and *120*. Lecture, three-hour laboratory and tutorial weekly. (Offered in 1974-75 and alternate years.)

Biology 314a

Fish Biology: The biology, ecology and physiology of marine and fresh water fishes. Management practice of fisheries. Prerequisite: *Biology 110*. Lecture, tutorial, three-hour laboratory weekly, field trips.
P.M. Powles.

Biology 320b

Plant growth and development: Hormonal and environmental control of plant growth and development. Prerequisite: *Biology 120* or permission of the instructor. Recommended: *Chemistry 210*. Lecture, three-hour laboratory and seminar or tutorial weekly. (Offered in alternate years commencing 1975-76.)

Biology 321a

Plant nutrition and water relations: Aspects of metabolism, mineral nutrition and water relations of plants. Prerequisite: *Biology 120* or permission of instructor. Recommended: *Chemistry 210*. Lecture, three-hour laboratory and seminar or tutorial weekly. (Offered in 1974-75 and alternate years.)

Biology 324b

Biology of the algae: An introduction to this important group of plants which are often considered a nuisance but which are also one of the world's important natural resources. Their ecological role in both the marine and fresh water environments will be emphasized as well as their economic importance. Lecture, three-hour laboratory and seminar or tutorial weekly. Recommended: *Biology 120*.
C.O. Johnson

Biology-Chemistry 330

General Biochemistry: See *Chemistry 330*.

Biology-Anthropology 340

Primatology: See *Anthropology 340*.

Biology-Anthropology 341

Comparative Osteology of Man: See *Anthropology 341*.

Biology-Anthropology 342

Social Biology of Man. See *Anthropology 342*.

Biology-Geography 350a

Biogeography: Basic biological and geographical principles affecting the distribution of animal and plant populations. Recommended: *Biology 110*, *120* and *Geography 101*, or by

arrangement with instructor. Lecture, tutorial, three-hour laboratory weekly, occasional field trips. (Offered in 1973-74 and alternate years.)

Biology 381b

Comparative Endocrinology: Anatomy and physiology of the endocrine systems of animals and the effects of hormones on development and behaviour. Integration between the nervous and endocrine systems. Highly recommended: *Biology 110* or by arrangement with instructor. Lecture, tutorial, three-hour laboratory weekly. (Offered in 1972-73 and alternate years.)

Biology 382a

General Physiology of animals: The general principles governing physiological processes in animals. Recommended: *Biology 110*, *Chemistry 210*. Lecture, three-hour laboratory and tutorial weekly. (Offered in 1973-74 and alternate years.)
T.R. Matthews

Biology 386b

Animal Behaviour: The ecological and physiological control of behaviour, and the evolution and characteristics of the behaviour of animal societies. Recommended: *Biology 110*. Lecture, three-hour laboratory, tutorial weekly. (Offered in 1972-73 and alternate years.)

Biology 390

Readings in modern Biology: Special topics designed to provide an opportunity for more intensive or for broader study of particular fields of biology. Regular consultation and direction during the year. A student wishing to take this course must submit the topic to the departmental committee for approval preferably before the end of the preceding year.

Biology 400

Selected Topics in Biology: Students choosing this course will investigate a specific field of interest under the guidance of a faculty member.

Biology 401a

Electron Microscopy: The biological applications of the electron microscope. (Formerly *Biology 301a*) Recommended: *Biology 110* or *120*. Lecture, tutorial, three-hour laboratory weekly. Enrolment may be restricted.
J.E. Nighswander

Biology 402

Biology of pollution: The causes and biological effects of pollution with special reference to water pollution. (Formerly *Biology 300*.) Recommended: *Biology 110*, *120* and *Chemistry 100*. Lecture, tutorial, three-hour laboratory weekly. (Offered in alternate years commencing 1974-75.)

Biology 404b

Marine Biology: Life in the sea. (Formerly *Biology 304b*.) Recommended: *Biology 110* and *120*. Seminar, tutorial

weekly; compulsory field trip. (Offered in 1973-74 and alternate years.)

P.M. Powles and staff

Biology 410

Parasitology: The biology of animal parasites. (Formerly *Biology 310*.) Prerequisite: *Biology 110*. Lecture, tutorial, three-hour laboratory period weekly.

I.M. Sandeman

Biology-Chemistry 430

Advanced Biochemistry: See *Chemistry 430*.

Biology 490

Readings in modern Biology: Similar to *Biology 390* but restricted to students in their honours year.

Chemistry

Professor of Chemistry and Chairman of the Department

Keith B. Oldham, B.Sc., PH.D., D.Sc. (MANCHESTER), F.R.I.C.

Professor

Stewart A. Brown, B.S.A. (TORONTO), M.Sc., PH.D. (MICHIGAN STATE), F.C.I.C.

Associate Professors

Peter F. Barrett, M.Sc. (QUEEN'S), PH.D. (TORONTO); Ian D. Chapman, B.Sc. (LIVERPOOL), M.A. (TORONTO); Ray E. March, B.Sc. (LEEDS), PH.D. (TORONTO); Alun H. Rees, M.A., PH.D., (CANTAB.), M.A. (OXON.), PH.D. (LONDON), F.R.I.C. (on leave 1973-74); Robert A. Stairs, B.Sc. (MCGILL), M.Sc. (WESTERN ONTARIO), PH.D. (CORNELL)

Assistant Professors

Robert G. Annett, B.Sc. (LONDON), PH.D. (TORONTO); Errol G. Lewars, B.Sc. (LONDON), PH.D. (TORONTO)

Senior Demonstrator

Mary L. Amyotte, B.Sc. (DUBLIN)

Required Courses

Single-major Ordinary program. Minimum six courses in Chemistry

Chemistry 100
200
210
300 or 310

Joint-major Ordinary program. Minimum five courses in Chemistry

Chemistry 100
200
210

Single-major Honours program. Minimum eleven courses in Chemistry of which four must be *four-hundred series* courses

Chemistry 100
200
210
240 or 320
300
310
450 or 460
490

Joint-major Honours program. Intending students are advised to consult the two departments involved as early as possible in their university careers.

Special Provisos:

—Since *Chemistry 100* and *Chemistry 101* cannot be taken concurrently, only one chemistry course is normally open to first-year students. However, students with a strong background in chemistry may petition to take *Chemistry 210* concurrently with *Chemistry 100*; such permission will be granted on the basis of performance in a special examination held in the week preceding the autumn commencement of classes.

—*Chemistry 101* is acceptable as a prerequisite to *Chemistry 210* but for other *two-hundred series* courses only with permission of the department.

Special permission may be granted:

a) if a high standard is maintained in *Chemistry 101*, and
b) if additional private study is undertaken during the summer preceding the second year. If such permission is granted, the *Chemistry 101* credit is thereafter deemed equivalent to a credit in *Chemistry 100*.

—For the purpose of meeting the University's degree requirements, *Chemistry 240* may be regarded as a *three-hundred series* course.

—Departures from the normal pattern of courses may sometimes be permitted: apply to the Chairman.

Notes

—Students planning to major in Chemistry should note that an adequate grounding in Physics and Mathematics is essential. Some background in Biology and Physical Chemistry is recommended for those wishing to take courses in Biochemistry. Note also the mathematic prerequisite to *Chemistry 200*. The attention of majoring students is drawn to the requirement of the Chemical Institute of Canada that those hoping to attain professional membership in the Institute must have satisfactorily completed a course in Analytical Chemistry (e.g. *Chemistry 240*) or Inorganic Chemistry (e.g. *Chemistry 320*). A course in Physics (e.g. *Physics 100*) is a further normal requirement of the Chemical Institute of Canada.

Laboratory Deposit

All students taking one or more laboratory courses in Chemistry will be required to pay a laboratory deposit of \$20. Depending on breakages incurred during the year, the deposit will be returned wholly or in part at the end of the session.

Chemistry 100

General Chemistry: An introductory course in physical and inorganic chemistry. Atoms, molecules, crystals, chemical binding, ions, electrolysis, reaction rate, equilibrium, inorganic and organic descriptive chemistry. Prerequisites: Grade 13 Chemistry or its equivalent. Two lectures, one laboratory weekly, tutorials at intervals to be arranged.

P.F. Barrett

Chemistry 101

Introductory Chemistry: An introductory course in chemistry for students who do not possess qualifications in Grade 13 Chemistry or its equivalent. The course will normally qualify students for later year courses in organic chemistry and biochemistry only (See Special Provisos.) *Chemistry 101* and *Chemistry 100* cannot both be counted toward minimum course requirements for a major. Two lectures, and one three-hour laboratory or problem session weekly.

I.D. Chapman.

Chemistry 200

Elementary Physical Chemistry: The theme of this course is the physical chemistry of reactions. Kinetic and thermodynamic aspects of chemical reaction are treated, and emphasis is placed upon the continuing interplay between experimental results and their theoretical interpretation. Prerequisites: *Chemistry 100* and *Mathematics 100*. Lecture, tutorial and laboratory weekly; a seminar program is incorporated with the laboratory.

K.B. Oldham

Chemistry 210

Elementary Organic Chemistry: Structure, synthesis, and reactions of the principal classes of organic compounds, with an introduction to principles underlying reaction mechanisms and stereochemistry. Prerequisite: *Chemistry 101* or *Chemistry 100*. (See also Special Provisos.) Lecture, laboratory weekly, fortnightly tutorial or additional lecture.

S.A. Brown

Chemistry 240

Analytical Chemistry: The theory and practice of classical and instrumental analytical chemistry, including volumetric, gravimetric methods, and chromatography. Applications to both inorganic and organic analysis. Emphasis is upon the physical and chemical principles, rather than on details of procedure. Prerequisite: *Chemistry 100*. Two lectures, tutorials or seminars weekly, laboratory weekly.

R.A. Stairs

Chemistry 300

Physical Chemistry: Introduction to quantum chemistry, chemical bonding, statistical mechanics, spectroscopy and reaction rate theory. Prerequisite: *Chemistry 200*. Two lectures weekly, tutorials fortnightly, laboratory weekly. For seminars, see below. The second half of this course is identical with *Physics 331b*

R.E. March and W.R. Tyson

Chemistry 310

Organic Chemistry: A study of aliphatic, aromatic, and heterocyclic compounds, with stress on modern methods and concepts in stereochemistry, reaction mechanisms. Prerequisite: *Chemistry 210*. Lecture weekly, tutorial, fortnightly, laboratory weekly; for seminars, see below.

E.G. Lewars

Chemistry 320

Inorganic Chemistry: Atomic structure and its relation to chemical properties of the element, valence theory, stereochemistry of inorganic compounds, co-ordination compounds. Prerequisite: *Chemistry 200*. Two lectures, or tutorials and one laboratory weekly; for seminars, see below.

P.F. Barrett

Third-Year Seminar

A single seminar program serves *Chemistry 300*, *310* and *320*. One meeting most weeks.

Chemistry-Biology 330

General Biochemistry: An introduction to the chemistry of animals, higher plants, and micro-organisms, including composition of tissues, nature of enzymes and biocatalysis, energy relationships, formation and degradation of metabolically important compounds, and control of metabolism. Prerequisite: *Chemistry 210*. Lecture weekly, one tutorial and one seminar in alternate weeks, laboratory weekly.

R.G. Annett

Chemistry 400

Selected Topics in Physical Chemistry: Specialized aspects of physical chemistry, including chemistry of interfaces, spectroscopy of excited molecules, solutions of electrolytes, electroanalysis, chemical dynamics, the kinetics of electrode reactions. Prerequisite: *Chemistry 300*. Two lectures, tutorials or seminars weekly.

R.E. March

Chemistry 410

Selected Topics in Organic Chemistry: Advanced heterocyclic chemistry. Modern synthetic methods. Introduction to chemistry of natural products. Prerequisite: *Chemistry 310*. co-requisite *Chemistry 460*. Two lectures, tutorials or seminars weekly.

E.G. Lewars

Chemistry 420

Selected Topics in Inorganic Chemistry: Specialized aspects of inorganic chemistry, theories of bonding in inorganic molecules, factors affecting the stabilities and reactivities of compounds, nuclear chemistry. Prerequisite: *Chemistry 320*. Two lectures, tutorials or seminars weekly.

R.A. Stairs

Chemistry-Biology 430

Advanced Biochemistry: Current concepts in theory and methods of biochemistry, including enzyme kinetics and mechanisms, metabolic regulation, structure-function relationships of macromolecules, selected topics in metabolic pathways, applications of enzymological and isotopic techniques. Prerequisite: *Chemistry-Biology 330*. Lecture weekly, tutorial and seminar in alternate weeks.

S.A. Brown

Chemistry - Biology 431a

Advanced Experimental Biochemistry: A course involving six hours of laboratory work weekly during the first half of the session. Corequisite: *Chemistry-Biology 430*.

R.G. Annett

Chemistry 432b

Biochemistry Project: This course follows *Chemistry-Biology 431a*. Intended for Honours Chemistry students with strong biochemical interests. Corequisite: *Chemistry-Biology 430*. Meetings at regular intervals to be arranged.

R.G. Annett

Chemistry 450

Theoretical Chemistry: The more mathematical aspects of chemistry with applications to physical and inorganic chemistry, quantum chemistry, symmetry aspects of molecular and crystal structure. Prerequisite: *Chemistry 300*. Two lectures, tutorials or seminars weekly.

R.A. Stairs

Chemistry 460

Physical-Organic Chemistry: Methods for the study of organic reaction mechanisms. Molecular rearrangements, organic photochemical reactions, conservation of orbital symmetry. Application of physical methods in organic chemistry, including ultra-violet, infra-red, nuclear magnetic resonance, and mass spectroscopy, and optical rotatory dispersion. Aspects of stereochemistry. Prerequisite: *Chemistry 310*. Two lectures, tutorials or seminars weekly.

E.G. Lewars

Chemistry 490

Experimental Chemistry: Literature survey and practical work, normally including a project, in an area of chemistry according to the student's field of specialization. About eight hours per week.

K.B. Oldham and staff

Chemistry 491

Extended Project: Open to honours Chemistry students specializing in branches of chemistry other than biochemistry, this course is taken in conjunction with *Chemistry 490* to double the credit. Corequisite: *Chemistry 490*.

K.B. Oldham and staff

Classical Studies

Professor of Classics and Chairman of the Department
B.P. Reardon, M.A. (GLASGOW), D.U. (NANTES)

Professor in Ancient History

Gilbert Bagnani, D.LITT. (ROME), F.R.S.C., LL.D. (TRENT)

Associate Professors

Janet P. Bews, M.A. (QUEEN'S), PH.D. (LONDON);
Roger Crowhurst, B.A., PH.D. (LONDON) (on leave 1973-74);
A.M. Young, M.A. (MELBOURNE), PHIL.M. (TORONTO)

Assistant Professors

Konrad H. Kinzl, PH.D. (VIENNA); David F.R. Page, B.A. (SHEFFIELD)

Courses are offered toward majors in the following three fields, which for the purpose of degree regulations are regarded as three separate subjects (see Special Provisos);

A. Latin language and Literature

B. Greek language and Literature

C. Classical Studies in Translation, comprising Classical History, Classical Literature, and Ancient Philosophy (offered by the Department of Philosophy). No knowledge of Greek or Latin is required in these courses.

Major programs are available in each of A, B and C, and also in combinations of A and/or B and/or C.

Required Courses

Single-major Ordinary program. Minimum of six or seven courses of which at least four must be beyond the *one-hundred* level and at least two at the *three-hundred* level:

A. six courses in Latin

B. six courses in Greek

C. either six courses in Classical History or seven courses chosen from Classical History, Classical Literature, and Ancient Philosophy.

A and/or B and/or C in combination: minimum seven courses.

Joint-major Ordinary program: Minimum of five courses, of which four must be beyond the *one-hundred* level and at least one at the *three-hundred* level.

Single-major Honours program; available in Latin and in Greek: Minimum of eight courses in Latin or in Greek, including two at the *four-hundred* level, plus two courses in Classical History.

Joint-major Honours program; available in Latin and in Greek: Fourth-year programs to be arranged in consultation with the department.

Special Provisos:

—The minima for majors are set out above, however, students are not limited to a maximum of eight courses within the department of Classical Studies, but may take courses in each of its component subjects, subject to general regulations for degrees. A student in first year may take only two courses in the Department of Classical Studies. Students proposing to major in Classical Studies should consult the department.

—Practice in prose composition and sight translation, in small groups, forms part of the program in all years in both Latin and Greek.

—The content of Greek courses beyond *Greek 100* may be modified, at the discretion of the department, and the number of Greek courses offered beyond the *two-hundred* level in any given year will be limited; students wishing to study Greek beyond *Greek 100* should consult the department.

—One course in Classical Literature in Translation may be counted for credit toward a major in English.

Recommended Courses

Students concentrating on non-linguistic courses should take at least one course in a classical language.

Latin Language and Literature

Latin 100

Elementary Latin. For students with little or no previous knowledge of the language. No prerequisite. Four hours weekly.

J.P. Bews

Latin 200

Studies in Latin language and literature: selections from prose and verse writings, including Catullus, Cicero, Ovid and Medieval Latin. Prerequisite: *Latin 100* or Grade 13 Latin. Three hours weekly.

A.M. Young

Latin 210

Content to be announced. Prerequisite: *Latin 100* or Grade 13 Latin. Three hours weekly.

J.P. Bews

Latin 300

Studies in Augustan literature: Livy; Horace, *Odes*; Propertius. Prerequisite: *Latin 200* or *210*. Occasional lecture, two tutorials, language seminar weekly.

A.M. Young

Latin 310

Virgil, *Aeneid*, *Georgics* and *Eclogues*. Prerequisite: *Latin 200* or *210*. Occasional lecture, two tutorials, language seminar weekly.

J.P. Bews

Latin 320

Historical and philosophical writing: Tacitus, *Annals*; Lucretius; Cicero, *Tusculan Disputations*. Prerequisite: *Latin 200* or *210*. Occasional lecture, two tutorials, language seminar weekly.

J.P. Bews and A.M. Young

Latin 400

Reading course. Regular meetings.

Latin 410

Studies in Latin language and literature and Roman civilization, with some concentration on a special subject. Regular meetings.

Greek Language and Literature

Greek 100

Elementary Greek. For students with little or no previous knowledge of the language. No prerequisite. Four hours weekly.

B.P. Reardon

Greek 200

Studies in Greek language and literature: selections from prose and verse writings: Plato, *Apology*; Euripides, *Alcestis*; Herodotus. Prerequisite: *Greek 100* or Grade 13 Greek. Three hours weekly.

A.M. Young

Greek 210

Homer, *Iliad* and *Odyssey*. Prerequisite: *Greek 100* or Grade 13 Greek. Three hours weekly.

B.P. Reardon

Greek 300

Tragedy: Aeschylus, *Prometheus Bound*; Sophocles, *Antigone*; Euripides, *Hippolytus*. Prerequisite: *Greek 200* or *210*. Three hours weekly.

B.P. Reardon

Greek 310

Prose: history, oratory, biography: Thucydides; Demosthenes, *Philippics*; Plutarch, *Lives*. Prerequisite: *Greek 200* or *210*. Three hours weekly.

B.P. Reardon

Greek 320

Verse: lyric, elegiac, comic: selections from the *Oxford Book of Greek Verse*; Aristophanes, *Frogs*; Menander, *Dyscolus*. Prerequisite: *Greek 200* or *210*. Three hours weekly.

B.P. Reardon

Greek-Philosophy 385

Greek philosophical texts: see *Philosophy 385*. (Not offered in 1973-74.)

Greek 400

Reading course. Regular meetings.

Greek 410

Studies in Greek language, literature and civilization, with some concentration on a special subject. Regular meetings.

Classical Studies in Translation

Classical History 100

Ancient society and institutions: an introduction to the study of ancient history, illustrated particularly by the history of Greece from Solon to Alexander (c. 600-323 B.C.) and Roman history from the Gracchi to Nero (133 B.C.-A.D. 69). No prerequisite. Two lectures weekly, fortnightly seminar.

D.F.R. Page and K.H. Kinzl

Classical History 210

Greek history: The age of the tyrants. Prerequisite: *Classical History 100*, former 110 or 211. Three lectures per fortnight, fortnightly seminar.

K.H. Kinzl

Classical History 211

Themes in Greek society and civilization 700-350 B.C., as seen through archaeology. Prerequisite: *Classical History 100* or former 110. Three lectures per fortnight, fortnightly seminar. (Offered in 1974-75 and alternate years.)

Classical History 220

The Roman Empire in the period of the Principate, with special emphasis on social and economic developments and the rise of Christianity. Prerequisite: *Classical History 100* or former 120. Three lectures per fortnight, fortnightly seminar. (Offered in 1973-74 and alternate years.)

D.F.R. Page

Classical History 221

The Roman Republic. Prerequisite: *Classical History 100*. Three lectures per fortnight, fortnightly seminar. (Offered in 1974-75 and alternate years.)

Classical History 320

The Roman Empire in the period of the Dominate: the transition from classical to medieval culture, with special reference to the establishment of Christianity. Prerequisite: Permission of Chairman. Weekly lectures; fortnightly seminar.

G. Bagnani

Classical History 330

Roman Law. Prerequisite: *Classical History 120* or *Latin 100*; and permission of the Chairman. Weekly lectures, fortnightly seminar.

G. Bagnani

Classical Literature

Classical Literature 100

Major Greek and Latin literary works, including: Homer, *Odyssey*; Sophocles, *Oedipus Tyrannus* and *Antigone*; Euripides, *Hippolytus* and *Bacchae*; Aristophanes, *Clouds* and *Lysistrata*; Plautus, *Menaechmi* and *The Swaggering Soldier*; Virgil, *Aeneid*; Seneca, *Oedipus*; Apuleius, *The Golden Ass*; Longus, *Daphnis and Chloe*; Plutarch, *Lives*. Three lectures per fortnight, fortnightly seminar.

B.P. Reardon and staff

Classical Literature 200

Study in translation of selected areas of Greek and Latin literature: (a) The Trojan theme: Homer, Aeschylus, Sophocles, Euripides. (b) Rome: Virgil, Livy, Ovid, Horace, Juvenal. (c) Literary criticism: Aristotle, Horace, Longinus. (d) Private study of an additional topic. Prerequisite: *Classical Literature 100* or permission of the department. Seminar weekly, fortnightly lectures.

A.M. Young and J.P. Bews

Classical Civilization 380

Intensive study in the field of classical literature and civilization. For 1973-74 the principal topic will be ancient historiography; with permission of the department students may study a further topic. Open to third- and fourth-year students only. Prerequisite: two courses in Classical History or two courses in Classical Literature. Weekly meetings.

K.H. Kinzl and staff

Ancient Philosophy

See *Philosophy 210* and 310.

Economics

Professor of Economics and Chairman of the Department

M.J. Boote, B.A. (WALES), PH.D. (MCGILL)

Associate Professors

W.T. Hunter, B.COM., (TORONTO), M.A. (TORONTO, OXON.);

H.M. Kitchen, M.A. (MCMASTER)

Assistant Professors

D.C.A. Curtis, M.A. (QUEEN'S), PH.D. (MCGILL); K.S.R. Murthy, B.SC. (ANDHRA), M.SC. (KARNATAK), M.A., (DELHI, WESTERN ONTARIO), PH.D. (WESTERN, ONTARIO); P.G. Tomlinson, B.A. (CARLETON)

Economics 100 is a prerequisite for all other courses in Economics up to and including the three-hundred level, except Economics 230.

Required Courses

Single-major Ordinary program. Minimum six courses in Economics

Economics 100
200
300

Joint-major Ordinary program. Minimum five courses in Economics

Same required courses as for single-major

Single-major Honours program. Minimum ten courses in Economics

Economics 100
200
300

Mathematics 100 or 110

Statistics 100

Joint-major Honours program. Minimum nine courses in Economics

Same required courses as for single-major Honours

Recommended Additional Courses

Mathematics 100 or 110

Statistics 100

A combination of courses from among such related disciplines as Geography, History, Mathematics, Politics and Sociology.

Economics 100

Introductory Economic Analysis: A course intended to provide a basic understanding of the major theoretical and policy areas in Economics. The main areas studied are: employment, unemployment, inflation and government fiscal policy, money, Canadian banking and monetary policy; market supply and demand and the behavior of business firms, international trade, tariffs, the balance of payments and foreign exchange rates. Lectures and discussions three hours weekly.

D.C.A. Curtis and staff

Economics 200

The Price System: A theoretical analysis of conditions for rational allocation of scarce resources by buyers and sellers in different types of markets. Empirical material relating to government intervention in consumer choice, pricing in agriculture, price and wage controls, price leadership, price determination, and structure and performance of oligopoly and monopoly. Two lectures weekly, one seminar fortnightly.

K.S.R. Murthy

Economics 210

Public Finance: Government expenditure structure (theoretical and practical); welfare economics of the public

sector; tax structure, tax incidence and effects; fiscal federalism; fiscal policy. Two lectures weekly, tutorial fortnightly.

P.G. Tomlinson

Economics 220

Monetary Economics: Theoretical and institutional aspects of money and their relationship to economic activities and policies. Two lectures weekly, seminar or tutorial fortnightly.

D.C.A. Curtis

Economics 230

Canadian Economic Policy: Intended primarily for those students not majoring in Economics, this course discusses problems facing economic policy makers in Canada, principally at the federal level. Among the topics discussed will be macroeconomic policy and problems of unemployment, inflation, growth and distribution; international trade and payments policy, including the question of foreign investment; industrial strategy, including competition policy, pricing in public corporations and studies of particular sectors; and problems of the public sector, including tax reform, pollution and education. No prerequisite. Enrolment may be limited. Lectures and seminars.

Economics 300

Macroeconomic Theory and Policy: National accounting; determination of national income and output; IS-LM approach, Keynesian vs. Classical theory. Aims, techniques and limitations of monetary and fiscal policies; inflation, guidelines and trade-offs; external constraints; recent macroeconomic policy. Two seminars weekly, tutorial fortnightly.

H.M. Kitchen

Economics 310

International Economics: Trade theory, tariffs and regional integration with special reference to Canada; foreign exchange markets and exchange rates; balance of payments and its adjustment; international financial institutions in historical perspective. Two seminars weekly, periodic tutorials.

W.T. Hunter

Economics 320

Introduction to Econometrics: Problems of measurement and estimation in Economics. Simple regression model, multiple regression (general linear model). Problems of estimation and testing of economic relationships under conditions of heteroscedasticity, autocorrelation, errors in variables. Introduction to distributed lags and simultaneous equations models. Two lectures, seminar weekly. Prerequisite: *Statistics* 100, or permission of instructor.

K.S.R. Murthy

Economics 330

Development Economics: Economic policy and planning in low-income countries including population growth, agricultural productivity, transfer of technology, aid, trade, inflation,

taxation, and income distribution. Diversity of experience in several countries is studied in depth.

M.J. Boote

Economics 400a

Cycles and Growth

K.S.R. Murthy

Economics 401b

Monetary Theory.

D.C.A. Curtis

Economics 405

Microeconomics.

P.G. Tomlinson and K.S.R. Murthy

Economics 410a

Selected topics in Public Finance.

H.M. Kitchen

Economics 431

Economic Development with special reference to Latin America.

W.T. Hunter

Economics 441b

Industrial Organization.

P.G. Tomlinson

Economics 450a

Topics in Economic History.

D.C.A. Curtis

Economics 451b

Urban Economics.

H.M. Kitchen

English Literature

Professor of English Literature and Chairman of the Department

James Winny, M.A., PH.D. (CANTAB.)

Professors

R.D. Chambers, B.A. (MCGILL), B.LITT. (OXON.); Barbara E. Rooke, M.A. (QUEEN'S), PH.D. (LONDON); Gordon Roper, M.A., PH.D. (CHICAGO)

Associate Professors

B.L. Beach, B.A. (ACADIA), M.A. (DALHOUSIE), PH.D. (MCGILL); A.G. Fisher, M.A. (SASKATCHEWAN); S.F. Gallagher, B.A., (IRELAND), M.A. (WESTERN ONTARIO), PH.D. (IRELAND); Ian McLachlan, M.A. (OXON.); Elizabeth M. Orsten, M.A. (OXON.), PH.D. (TORONTO) (on leave 1973-74); J.S. Pettigrew, M.A. (TORONTO, CANTAB.); R.H. Sadleir, B.A. (TORONTO), M.A. (CANTAB.)

Assistant Professors

M.S. Berkowitz, B.A. (NEW YORK), M.A., PH.D. (MASSACHUSETTS); R.J. Dellamora, A.B. (DARTMOUTH COLLEGE), B.A. (CANTAB.), M.PHIL., PH.D. (YALE); G.D. Eathorne, B.A. (NEW ZEALAND), M.A. (CANTERBURY); Sean Kane, B.A. (CARLETON), M.A., PH.D. (TORONTO); O.S. Mitchell, M.A. (ALBERTA), PH.D. (LONDON); J.E. Neufeld, B.A. (TORONTO), M.A. (CHICAGO); Carolyn Tate, B.A. (BRITISH COLUMBIA), M.A. (MCGILL); J.M. Treadwell, B.A. (TORONTO, CANTAB.); F.B. Tromly, B.A. (GRINNELL), M.A., PH.D. (CHICAGO)

Lecturers

D.K. Glassco, B.A. (QUEEN'S); Gordon A. Johnston, B.A. (TORONTO), M.A. (HARVARD); Michael Peterman, B.A. (PRINCETON), M.A. (TORONTO)

Note

The department is introducing a new curriculum, designed to give greater diversity to English studies by varying the field and scope of interest in the different courses. The main syllabus will include (i) literary periods dominated by an outstanding writer; (ii) literary topics or kinds associated with particular literary periods, though not confined to them; (iii) special subjects, special authors, and short periods of literary activity, and (iv) modern English, Canadian and American literatures. The department emphasizes this diversity of approach, and advises students to choose their courses, as far as possible, so that they divide their attention between the different kinds of study.

Some courses in English Literature are grouped generally in time periods. The groupings are:

A	B	C	D	E
1350 to 1550	1550 to 1642	1642 to 1750	1750 to 1900	1900 to 1970
331	110	201	210	340
332	250	300	211	341
	251	301	230	350
	351		370	360
				371
				381

Required Courses

Single-major Ordinary program. Minimum six courses in English. Four of these courses are to be chosen from different time periods listed above.

Joint-major Ordinary program. Minimum five courses in English. Three of these courses are to be chosen from different time periods listed above.

Single-major Honours program. Minimum eleven courses in English. At least one course must be chosen from each of the time periods listed above. In addition *English 400* and at least one additional *four-hundred* series course.

Joint-major Honours program. Minimum eight courses in English. Program to be established in consultation with the department.

Special Provisos

Students may elect to take one course in Classical Literature or in Comparative Literature as one of the optional courses required in the major and honours programs in English.

English 101

Studies in Literature. Minimum of one lecture hour weekly and fortnightly tutorials.

C. Tate and staff

English 110

Studies in Shakespeare with emphasis on approaches to critical reading. Minimum of two lectures weekly and fortnightly tutorials. (To be replaced by English 250 in 1974-75.)

A.G. Fisher and staff

Second and Third-Year Courses: The first digit suggests the year of study in which the course might normally be taken, but any second- or third-year course is open to any second-, third-, or fourth-year student.

English 201

Milton and his Age. Attention will be divided between the work of Milton, and that of other English writers of the period 1625-1675. Minimum of one lecture hour weekly and fortnightly tutorials.

F.B. Tromly and staff

English 210

Wordsworth and his Age. Attention will be divided between the work of a major figure of the Romantic Revival, and the work of other Romantic writers. Minimum of one lecture hour weekly and fortnightly tutorials. (Offered in 1973-74 and alternate years.)

O.S. Mitchell and staff

English 211

The Romantic Vision. (Offered in 1974-75 and alternate years.)

English 230

Studies in Nineteenth Century American Literature. Minimum of one lecture hour weekly and fortnightly tutorials.

G. Roper and staff

English 240

Pastoralism. Studies in the relationships between Man and Nature, as reflected in the works of some English and American writers from the Middle Ages until the present day. Minimum of one lecture hour weekly and fortnightly tutorials.

M.S. Berkowitz and staff

English 250

Shakespeare and his Age. (Offered in 1974-75 and alternate years.)

English 300

Pope and his Age. Attention will be divided between the work of a major Augustan writer, and other literature of the period. Minimum of one lecture hour weekly and fortnightly tutorials. (Offered in 1973-74 and alternate years.)

R.D. Chambers and staff

English 301

Satire and Complaint. (Offered in 1974-75 and alternate years.)

English 331

Chaucer and his Age. (Offered in 1974-75 and alternate years.)

English 332

Chivalry. A study of the chivalric tradition in English literature between 1350 and 1600. The syllabus will include works by Chaucer and other medieval writers, Spenser and Shakespeare. Minimum of one lecture hour weekly and fortnightly tutorials. (Offered in 1973-74 and alternate years.)

J. Winny

English 340

Five modern novelists. A tutorial course on selected works of Conrad, Forster, Virginia Woolf, Joyce and Lawrence. In 1974-75 this will be replaced by English 341.

G.D. Eathorne and staff

English 341

The Twenties. (Not offered 1973-74.)

English 350

Modern Drama. Studies in the work of recent English, Irish and American dramatists. Minimum of one lecture hour weekly and fortnightly tutorials. (To be replaced in 1974-75 by English 351.)

S.F. Gallagher

English 351

Jacobean Drama. (Not offered 1973-74.)

English 360

Studies in Canadian literature. One seminar weekly.

G. Johnston and staff

English 361a

Studies in Canadian literature in English. Minimum of one lecture hour weekly and fortnightly tutorials.

English 362b

French-Canadian Literature in Translation. This half course is taught by the Department of French Studies. Prerequisite: English 361a. Lecture, seminar weekly.

English 370

The English Novel, 1700-1900. Minimum one lecture hour weekly and fortnightly tutorials. (Offered in 1973-74 and alternate years.)

R.D. Chambers and staff

English 371

The Novel 1900-1970. (Offered 1974-75.)

English 381

The Creative Process. A study of theories of creativity in the period 1880-1930, and of their relationship with the actual practice of some major writers of the period.

I. McLachlan

English 390

Literature and Psychology. This course will consist of an examination of some aspects of literature and psychology. Of particular importance will be the development of the writer's insight into personality, growth and variation as shown by the unfolding of personality development in his work. Use will be made of biographical and autobiographical material where it is available. The concept of creativity will also be examined. Minimum of one lecture hour weekly and fortnightly tutorials. Prerequisite: Either *English 101* or *Psychology 101*. Enrolment restricted to 30.

B.L. Beach

Fourth-year Courses: Fourth-year courses are normally limited to students in the fourth or honours year of studies in English. Before the end of Winter Term of second year, students may petition the department for permission to enrol in a fourth-year course as part of a third-year program.

English 400

Honours Colloquium.

J. Winny

English 410

Theory and history of literary criticism.

J. Neufeld

English 420

Advanced studies in Shakespeare.

J. Winny

English 450

Advanced studies in modern American Literature.

G. Roper

English 490

Special author or topic. A list of topics for selection will be circulated by the department to students who have been admitted to Honours.

English 491

Research study. The course allows the student to select, with the approval of the department, his own area for research study which he then pursues under the direction of a member of the department.

French Studies

Professor of French and Chairman of the Department

Frederick K. Harper, M.A. (MANITOBA)

Associate Professors

C.E.J. Caldicott, M.A. (DUBLIN), D.E.S. (AIX-MARSEILLES), PH.D. (DUBLIN); J.M.A. Le Dreff, M.A. (BRITISH COLUMBIA); Peter Royle, M.A. (OXON), PH.D. (NATAL) (on leave 1973-74)

Assistant Professors

Georges Cohen, L.-E.S.-L., D.E.S. (SORBONNE); Jean-Pierre Lapointe, B.A. (R.M.C.), M.A. (McGILL); Terence Mellors, M.A. (OXON.); Janette Reardon, L.-E.S.-L. (PARIS), B.A. (MEMORIAL), M.-E.S.-L. (NANTES)

Lecturer

A.E. Franklin, M.A. (CANTAB.)

Required Courses

Single-major Ordinary program. Minimum six courses in French

French 110

200

211

Joint-major Ordinary program. Minimum five courses in French

Same required courses as for single-major

Single-major Honours program. Minimum ten courses in French

French 110

200

211

Four four-hundred series courses or their equivalent

Joint-major Honours program. Minimum eight courses in French

French 110

200

211

Five additional courses, two of which must be at the four-hundred series level

Beginning with the academic year 1974-75 students opting for a single or joint-major Ordinary program, or for a single or joint-major Honours program in French must include in their program at least one course in French-Canadian Literature or Civilization.

French 100

An intensive course in oral and written language for students who do not intend to major in French. Grammar review, laboratory practice, and oral presentations and conversation based on Canadian texts, film presentations, and lectures in the French language. Prerequisite: Grade 13 French or permission of department. Fortnightly lecture: two seminars and one laboratory hour weekly.

F.K. Harper, J.-P. Lapointe

French 110

The basic freshman course in language and literature normally required of students intending to major in French, it consists of one lecture, one literature seminar involving the critical analysis of selected texts, one language seminar and one hour of laboratory practice weekly. Prerequisite: Grade 13 French, its equivalent or permission of department.

C.E.J. Caldicott and staff

French 100 and French 110 may not be taken together in the same year of studies

French 200

Oral practice, prose translation, phonetics, and laboratory practice. *Required for a major in French.* Prerequisite: *French 100 or French 110*, or permission of department. Three hours weekly.

F.K. Harper and staff

French 211

The Classical French Theatre: *Required for a major in French.* Prerequisite: *French 110* or permission of department. Lecture and seminar weekly.

C.E.J. Caldicott

French 231

Poetry and Drama of the Nineteenth Century. Prerequisite: *French 110* or permission of department. Lecture and seminar weekly. (Not offered in 1973-74.)

French 250

Quebec Civilization: A general survey of the social and cultural history of the Quebec people, illustrated by readings on the arts, letters, religious, social and political life. This course is an attempt to synthesize the history of ideas in Quebec in order to promote a better understanding of the determining factors in contemporary Quebec culture. Prerequisite: *French 100 or French 110* or permission of department. Lecture, and one seminar weekly.

J.-P. Lapointe

French 300

Translation, philology and laboratory practice. Prerequisite: *French 200.* Three hours weekly.

J. Reardon

French 310

The Nineteenth Century French novel. Prerequisite: *French 110* or permission of department. Lecture and seminar weekly.

T. Mellors

French 320

Modern French theatre: Claudel, Giraudoux, Anouilh, Sartre, Ionesco, Beckett. Prerequisite: *French 110* or permission of department. Lecture and seminar weekly.

T. Mellors

French 321

French-Canadian poetry and drama. Prerequisite: *French 110* or permission of department. Lecture and seminar weekly. (Not offered in 1973-74.)

French 330

French prose and poetry of the Eighteenth Century. Prerequisite: *French 110* or permission of department. Lecture and seminar weekly. (Not offered in 1973-74.)

French 340

The contemporary novel: Gide, Camus, Sartre, Malraux, Le Nouveau Roman. Prerequisite: *French 110* or permission of department. Lecture and seminar weekly. (Not offered in 1973-74.)

French 350

Contemporary French civilization: A broad survey of modern French following the evolution of its institutions, constitutions and cultural life from the end of *La Troisième République* to the present day. Illustrated by readings from contemporary French authors, political commentators and newspapers. Prerequisite: *French 100 or 110*, and subject to interview in French. One lecture and two tutorials weekly. One class seminar fortnightly.

C.E.J. Caldicott

English 362b

French-Canadian Literature in translation: Attention is called to this half-course which is taught by the Department of French Studies but will not count as a French credit. (See listing under English Literature.)

J.-P. Lapointe

French 370

The Moral Tradition in French Literature. Prerequisite: *French 110* or permission of department. Lecture and seminar weekly.

J.M. Le Dreff

French 380

Evolution of French thought in the Nineteenth Century. Prerequisite: *French 110* or permission of department. Lecture and seminar weekly.

T. Mellors

French 390

French-Canadian prose literature. Prerequisite: *French 110* or permission of department. Lecture and seminar weekly.
J.-P. Lapointe

Four-hundred series courses in French are open only to students in the fourth or honours year of studies in French, or by permission of the department.

French 400

Linguistics, stylistics, and composition. Two hours weekly.
J. Reardon

French 410

Medieval French language and literature. Two tutorials weekly.
J.M. Le Dreff

French 420

French literary criticism. Two tutorials weekly.
G. Cohen

French 430

Initiation to literary research. Two tutorials weekly.
J.M. Le Dreff and staff

French 440

French Renaissance, Sixteenth Century, with intensive study of Rabelais, Montaigne, Marot, Ronsard, DuBellay and D'Aubigné. Two tutorials weekly. (Not offered in 1973-74.)

French 450

Modern French poetry. Representative poets from the "Decadents" to the present, including Mallarmé, Laforgue, Valéry, Apollinaire, the Surrealists, Supervielle, and Reverdy. Two tutorials weekly.
G. Cohen

French 460

Non-metropolitan French contemporary literature. Emphasis will be given to contemporary French-Canadian literature. Included will be recent literature from Switzerland and Belgium, and from French Africa and French overseas possessions. Prerequisite: *French 220*. Lecture and seminar weekly. (Not offered in 1973-74.)

Geography

Professor of Geography and Chairman of the Department
W.P. Adams, B.A. (SHEFFIELD), M.SC., PH.D. (MCGILL)

Associate Professor

G.A. Nader, B.A. (LONDON), PH.D. (DURHAM) (on leave 1973)

Assistant Professors

A.G. Brunger, B.SC. (SOUTHAMPTON), M.SC. (ALBERTA);
M.J. Crozier, B.SC., PH.D. (OTAGO); F.M. Helleiner, M.A.,
PH.D. (WESTERN ONTARIO); J.S. Marsh, B.A. (READING), M.SC.
(ALBERTA), PH.D. (CALGARY) (on leave 1973-74)

Lecturer

C.H. Taylor, M.A. (CANTERBURY), PH.D. (MCGILL)

Required Courses

Single-major Ordinary program. Minimum six courses in Geography

Geography 101

201

300

Statistics 100 and Geography 380b or Geography 390b recommended.

Joint-major Ordinary program. Minimum five courses in Geography

Same required and recommended courses as for single-major.

Single-major Honours program. Minimum eleven courses in Geography

Geography 101

201

300

400

410

Statistics 100

Geography 380b or 390b is highly recommended

Joint-major Honours program: Minimum eight courses in Geography.

Same required and recommended courses as for single-major Honours program.

Recommended Courses

The attention of students in Geography is drawn to *Mathematics 100*, *Philosophy 270*, *Computer Science 200a*. Students intending to teach are advised to include a regional course; the Geography of Canada is particularly useful. The Canadian Studies Program can complement a Geography program.

Geography 101

Man in the Environment: The course serves to indicate the scope and methods of geography. Attention centres on man's interaction with a variety of environmental systems (e.g. geomorphic, meteorological, ecological) and his use of distinctive areas (e.g. deserts, mountains, cities, the North and tropics). Emphasis is placed on concepts, problems, research methods and Canadian examples. Laboratory exercises and field work involve a variety of techniques including map and air photo interpretation, meteorological observation, land use mapping, and computer methods. The lectures are complemented by films, guest speakers and discussions, totalling four hours weekly.

Geography 201

Methods of geographical analysis: Concepts in geography, data retrieval and sampling, including techniques of plane-survey and photographic-interpretation, processing of geographical data by content analysis, statistical and other methods,

presentation and display of results by cartographic, graphical, and quantitative means. Use of computers in geographical analysis. Prerequisite: *Geography 101*. Approximately three hours weekly, lectures, seminars and labs. Field work.
A.G. Brunger and staff

Geography 230

Recreation geography: The course examines environmental, behavioural and management aspects of recreation. There is an emphasis on outdoor recreation, recreation history, water-based recreation, and Canada. A wide variety of teaching methods is employed including field study, laboratory exercises, and a major project. Prerequisite: *Geography 101* or permission of instructor.

Geography 240

Geology: Principles of mineralogy, petrology, palaeontology and structural geology including an introduction to recent developments in the field of global tectonics, mountain building, earthquake and volcanic activity, submarine geology, and continental drift; sedimentary petrology of lake and river environments. Two hours of lectures each week, a two-hour laboratory session every other week, and field work. (Offered in 1974-75 and alternate years.)

Geography 250

Geomorphology: A systematic study of contemporary geomorphic processes and environmental factors influencing the development of landforms; including detailed study of the geomorphic processes associated with rivers, lakes, wind, glaciers, mass wasting, and coasts; analysis of drainage systems and the morphology of landforms; an introduction to laboratory and field techniques. Prerequisite: *Geography 101* or permission of instructor. Three hours of lectures, laboratories and tutorials per week and field work. (Offered in 1973-74 and alternate years.)

M.J. Crozier

Geography 260

Geography of Canada: a problem-oriented course, dealing with geographic aspects of Canada's role in the world, human and natural resources and efforts to cope with current and incipient problems. Three hours or more weekly including lectures, seminars, and tutorials. Occasional field trips.

F.M. Helleiner

Geography 270

Urban geography: An examination of urban functions, the spatial arrangement of urban centres and the concept of hierarchies; analysis of the internal organization of cities in terms of function, movement and physical layout; an examination of social controls affecting the growth of cities and future patterns of urban development. Prerequisite: *Geography 101* or permission of instructor. Three hours of lectures, seminars, tutorials. (Offered in 1974-75 and alternate years.)

Geography 272b

Canadian cities: The development of the national urban system; and examination of modern changes in the national and regional urban systems; the land use structure of a wide selection of major cities in Canada; review of governmental and planning structures in metropolitan areas. Prerequisite: *Geography 101* or permission of instructor. One lecture and one tutorial per week. (Not offered in 1974-75.)

Geography 300

Advanced methodology and techniques of geographical analysis: the role of explanation in geography, spatial theory, hypothesis-formulation and generalization, spatial sampling design, retrieval and analysis of geographical data, including content analysis, remote-sensing and quantitative techniques, use of computers in data analysis and display, advanced cartography. Prerequisite: *Geography 201*. Approximately three hours weekly; lectures, seminars, laboratories, field work.
A.G. Brunger and staff

Geography 320

Economic geography: A systems approach to the spatio-economic organization of the world. Current methods of inquiry into the processes within the system and models for analyzing the processes. Prerequisite: *Geography 101* or permission of instructor. Lecture weekly, tutorial fortnightly, seminary/laboratory weekly, occasional field trips. (Offered in 1974-75 and alternate years.)

Geography 330

Historical geography: Aspects of society are studied in time and space at a geographical scale, with a focus of interest in the following areas, diffusion of innovations, Nineteenth Century migration patterns, colonial settlement in North America, the concept of landscape, and the historical geography of Southern Ontario and Algonquin Park. Prerequisite: *Geography 101* or permission of instructor. One lecture, and tutorial or seminar weekly, periodic laboratories and field trips. (Offered in 1974-75 and alternate years.)

Geography 332a

Settlement Geography: The study of process, pattern, and form of human settlement with special reference to North America and Europe, emphasis is on causal explanation, in historical and behavioral terms, of the location and pattern of rural settlement at various scales, and details of its form including arrangement and architecture of buildings. Prerequisite: *Geography 101* or permission of instructor. One lecture and tutorial or seminar weekly, field trips. (Offered in 1973-74 and alternate years.)

A.G. Brunger

Geography 340

Hydrometeorology: Study of the elements of weather and climate with emphasis on the role of water in climate and on applied climatology, particularly in relation to snow and ice.

Prerequisite: *Geography 101* or permission of instructor. Lecture, and seminar weekly, field work. (Not offered in 1974-75.)

W.P. Adams

Geography - Biology 350a
Biogeography: See *Biology 350a*

Geography 352

Advanced Geomorphology: Current problems, methodology and techniques in landform research; erosion and sedimentation in a lake district; applied geomorphology, including natural hazards and site investigation with particular emphasis on slope stability. Prerequisites: *Geography 240* or *Geography 250* or permission of instructor. One lecture and one seminar per week with additional laboratory and field work.

M.J. Crozier

Geography 364a

Geography of the Arctic: Study of selected aspects of the Arctic with considerable reference to northern Canada but with the deliberate intention of developing comparisons between it and other parts of the north polar regions. Prerequisite: *Geography 101* or permission of instructor. Two lecture hours, one seminar per week. (Not offered in 1974-75.)

W.P. Adams

Geography 370

Planning: The main planning principles which govern the economic and physical development of cities and regions. National, provincial, and municipal policies will be examined for their impact on the urban and regional systems. There will also be an examination of the historical development of planning concepts and policies and a comparative analysis of modern planning in North America and Europe. Prerequisites: *Geography 270* or *Geography 272b*. Lectures, tutorials and seminars. (Offered in 1974-75 and alternate years.)

Geography 380b

Regional economic development: Analysis of how a region grows; regional responses to national economic development; the land use structure of regions; regional planning principles; review of Canadian regional planning policies. One lecture and one tutorial per week. Prerequisites: *Geography 270* or *Geography 272b*. (Not offered in 1974-75.)

G.A. Nader

Geography 390b

Field course in Geography: This course is recommended for all Geography majors, and may be taken in the third or fourth year. It involves an extended period in a selected field area with extensive preparation and follow-up. Prerequisites: *Geography 101, 201*. One lecture, seminar per week, minimum of seven days in the field.

W.P. Adams and staff

Geography 400

Dissertation: This course is seen as the culmination of the Honours degree in Geography. Co-requisite, *Geography 410*. Throughout the final year, students will engage in a major research project entailing periodic meetings with faculty. A schedule for the submission of research proposals and for the completion of various stages of the project will be set out at the beginning of the year. Students taking this course must obtain full details of it and begin preparation at the end of third year.

A.G. Brunger and staff

Geography 410

Advanced seminar in Geography: Co-requisite, *Geography 400*. Seminars will be discussion of theses and other related topics. All faculty

German

Professor and Chairman of the Department

Gerhard Baumgaertel, M.A. (BROWN), DR. PHIL. (TÜBINGEN)

Associate Professor

D.D. Stewart, M.A., PH.D. (TORONTO)

Assistant Professors

J.C. Fewster, M.A. (MANCHESTER); A.A. Krueger, STAATSEXAMEN (MUNICH)

German 100

Designed for students with little or no knowledge of German. This course provides an introduction to German grammar with intensive oral practice in the language laboratory as well as an introduction to present day Germany. Two lectures, one seminar, one laboratory hour weekly.

A.A. Krueger and staff

German 110

Introduction to modern German literature and thought; a survey of the history of German civilization; comprehensive language review. Students enrol in one of two distinct sections: Section I, for students with Grade 13 standing in German; Section II, for students with at least B standing in *German 100* or Grade 12 German or equivalent. Two lectures, two seminars, one laboratory hour weekly.

J.C. Fewster (I), D.D. Stewart (II), and staff

German 200

German literature and thought from Nietzsche to Brecht. Modern writers and currents. Oral and written practice in German. Prerequisite: *German 110*, or permission of department. One lecture, two seminars, one laboratory hour weekly.

J.C. Fewster and G. Baumgaertel

German 210

The Age of Goethe I. A study of the beginnings of modern German literature, with special attention to Lessing, Goethe and Schiller. Composition. Prerequisite: *German 110*, or permission of department. Two lectures, two seminars weekly. *D.D. Stewart and J.C. Fewster*

German 220

Modern German literature in English translation. Representative German authors and their contribution to world literature. An examination of the aesthetic, moral, existential, social and political issues advanced by writers including Büchner, Mann, Kafka, Hesse, Brecht, Dürrenmatt, Frisch, Böll, Grass. Prerequisite: None. Open to students in second year and above or by permission of department. Enrolment limited to approximately 30. Majors in German may attend but may not count this course for credit toward their degree. One lecture, one seminar weekly.

G. Baumgaertel and J.C. Fewster

German 300

The Age of Goethe II. A study of the literature of the period 1790-1832 with emphasis on Goethe, Schiller, Hölderlin and Grillparzer. Composition. Prerequisite: *German 210*. Two lectures, one seminar weekly.

D.D. Stewart

German 310

The Romantic movement. Studies in Romantic literature from Wackenroder to Heine, complementary to *German 300*, or permission of department. Two lectures weekly. (Offered in alternate years, not in 1973-74.)

German 330a

The German *Novelle* and *Erzählung* of the Nineteenth and Twentieth Centuries. Prerequisite: *German 200* or *210*, or permission of department. One lecture, two tutorials weekly.

A.A. Krueger

German 340b

The drama of social criticism. From classicism to contemporary experimentation: Realism, Naturalism, Expressionism, Epic Theatre, Documentary Theatre. Prerequisite: *German 200* or *210*, or permission of department. One lecture, two tutorials weekly.

G. Baumgaertel

German 351a

Studies in modern German poetry. Prerequisite: *German 200* or *210*, or permission of department. One lecture, one seminar weekly. (Offered in 1973-74 and alternate years.)

J.C. Fewster

German 352b

The German novel from Grimmshausen to the present, with emphasis on selected works of the Nineteenth and Twentieth Centuries. Prerequisite: *German 200* or *210*, or permission of department. One lecture, one seminar weekly. (Offered in 1973-74 and alternate years.)

G. Baumgaertel

Four-hundred level courses in German are normally open only to students in the fourth or Honours year of studies in German or by permission of the department.

German 400

History of the German language; introduction to medieval and late medieval German literature. One lecture, two tutorials weekly.

A.A. Krueger

German 410a

German Baroque Literature. A survey of Seventeenth Century German literature in its European context, with attention to the impact of Baroque themes and forms on later German literature. One lecture, one seminar weekly.

D.D. Stewart

German 420b

Studies in contemporary German literature and development since 1945. One lecture, one seminar weekly.

G. Baumgaertel

German 430

Major paper.

Note: Students of German are encouraged to avail themselves of the numerous opportunities for subsidized study, travel and work in German-speaking Europe, information about which is available through the department.

Hispanic Studies

Professor of Spanish and Chairman of the Department
J.M. Valverde, LIC.FIL.Y LET., DR.FIL.Y LET. (MADRID), EX-CATEDRATICO (BARCELONA) (on leave 1973-74)

Associate Professor
J.P. González-Martin, LIC.DER (OVIEDO), DR.DER. (ZARAGOZA)

Assistant Professors
Rosa María Garrido, LIC.DER., DR.DER. (SEVILLA), M.A. (TORONTO); Dawn L. Smith, M.A. (OXON.)

Lecturer
G.D. Aitken, B.A. (TRENT), M.A. (STANFORD)

Required Courses

Single-major Ordinary program. Minimum six courses in Spanish

Spanish 100 or 110
200
210 or 211
300

Two of *Spanish 310, 320, 410, 411*

Joint-major Ordinary program. Minimum five courses in Spanish

Same required courses as for single-major

Single-major Honours program. Minimum ten courses in Spanish

Spanish 100 or 110
200
210 or 211
300
310
320
400
410
411

Another four-hundred level course is to be established by the department.

Joint-major Honours program. Minimum seven courses in Spanish

Intending students are advised to consult the two departments involved as early in their university careers as possible.

Special Provisos

—Students with sufficient previous knowledge of Spanish may be admitted directly to *Spanish 200* and *210 or 211*, at the discretion of the department.

—*Spanish 210* and *211* may be taken together when an additional course is convenient.

Spanish 100

Beginners' course in Spanish: This course consists of an introduction to grammar and reading, and practice in oral Spanish. Texts include a grammar and two readers. Three seminars weekly; one-hour language laboratory weekly.
G.D. Aitken, R.M. Garrido, D.L. Smith

Spanish 110

Designed for students with some previous knowledge of Spanish. Grammar review, composition and conversation. Two seminars weekly, two laboratory hours weekly. Prerequisite: Grade 13 Spanish, or permission of department.
G.D. Aitken

Spanish 200

Continuing Spanish: A general course of Spanish conversation, pronunciation and composition. This course is designed for former students of *Spanish 100* or equivalent. Two hours of seminars weekly; one-hour language laboratory weekly. Prerequisite: *Spanish 100*, or Grade 13, or equivalent.
R.M. Garrido, D.L. Smith

Spanish 210

Introduction to Spanish and Spanish-American civilization. A study of civilization in the Spanish-speaking countries, (history, art, ideas, social developments). One lecture, one seminar weekly. Conducted in Spanish. Students enrolled in this course normally are also required to register in *Spanish 200*.
J.P. González-Martín

Spanish 211

A survey of Spanish and Spanish-American literatures from the origins to the present. One lecture, one seminar weekly. Conducted in Spanish. Students enrolled in this course are normally required to register in *Spanish 200*.
J.P. González-Martín

Spanish 300

Advanced oral Spanish and composition: An analytical study of the elements required in the use of Spanish, especially in writing, with a consideration of the Spanish-American peculiarities. Lecture, two seminars weekly.
R.M. Garrido

Spanish 310

Spanish literature, contemporary period: The Spanish literature since the generation of 1898. Lecture, seminar weekly.
J.P. González-Martín

Spanish 320

Spanish-American literature: The literature of the Spanish-speaking countries of Central and South America, with its historical and social background. Lecture, seminar weekly.
J.P. González-Martín

Spanish 400

Honours seminar leading to the completion of an undergraduate thesis, with problems of bibliography and literary criticism.
All faculty

Spanish 410

Spanish literature of the Golden Age: The Renaissance and Baroque periods, with their social and political background. Mainly intended for Honours students, but also open to third-year students. Lecture, seminar weekly.
D.L. Smith

Spanish 411

History of the Spanish language and Spanish medieval literature. Mainly intended for Honours students, but also open to third-year students. Lecture, seminar weekly.
R.M. Garrido

Further programs of fourth-year Honours Hispanic Studies courses, tailored to the requirements of single- and joint-major Honours students will be worked out in discussion between the candidate and the Chairman of the department.

History

Associate Professor of History and Chairman of the Department

F.A. Hagar, A.B. (HARVARD), M.A., PH.D. (CALIFORNIA), M.LITT. (CANTAB.)

Vanier Professor of Canadian History

W.L. Morton, O.C., B.A. (MANITOBA), M.A., B.LITT. (OXON.), LL.D. (TORONTO), D.LITT. (NEW BRUNSWICK, MCGILL, MANITOBA), F.R.S.C., F.R.HIST.S.

Professors

John Gilchrist, B.A., PH.D. (LEEDS) (on leave 1973-74); B.W. Hodgins, B.A. (WESTERN ONTARIO), M.A. (QUEEN'S), PH.D. (DUKE); D.S. Macmillan, M.A. (GLASGOW), PH.D. (SYDNEY), F.R.A.H.S.; Alan Wilson, M.A. (DALHOUSIE), PH.D. (TORONTO)

Associate Professors

J.C. Barker, M.A. (CANTAB., TORONTO), B.D. (YALE), PH.D. (TORONTO); C.M. Greene, A.B. (AMHERST), A.M. (COLUMBIA), PH.D. (HARVARD); Brian Heeney, B.A. (TORONTO), B.D. (EPISCOPAL THEOLOGICAL SCHOOL), D.PHIL. (OXON); Douglas McCalla, B.A. (QUEEN'S), M.A. (TORONTO), D.PHIL. (OXON.); R.J.D. Page, M.A. (QUEEN'S), D.PHIL. (OXON.); W.G. Pitman,

M.A. (TORONTO); S.T. Robson, B.A. (BRITISH COLUMBIA), D.PHIL. (OXON.); Deryck M. Schreuder, B.A. (RHODES), D.PHIL. (OXON.); T.H.B. Symons, B.A. (TORONTO), M.A. (OXON.), LL.D. (WATERLOO LUTHERAN, NEW BRUNSWICK)

Assistant Professors

E.H. Jones, B.A. (SASKATCHEWAN), M.A. (WESTERN ONTARIO), PH.D. (QUEEN'S); S.D. Standen, B.A. (BRITISH COLUMBIA), M.A. (OREGON); John Syrett, B.A. (COLUMBIA), M.A., PH.D. (WISCONSIN)

Lecturers

A.O.C. Cole, M.A. (TORONTO); J.D.P. Martin, B.A. (QUEEN'S), B.L.S. (MCGILL)

Required Courses

Single-major Ordinary program. Minimum six courses in History

History 100 or 120

Two of *History 200, 210, 211, 220, 230*

Three *three-hundred* series courses

Joint-major Ordinary program. Minimum five courses in History

History 100 or 120

Two of *History 200, 210, 211, 220, 230*

Two *three-hundred* series courses

Single-major Honours program. Minimum nine courses in History

Same requirements as for single-major Ordinary program plus at least two *four-hundred* series courses and one *three-hundred* series course

Joint-major Honours program. Minimum eight courses in History

Same requirements as for joint-major Ordinary program plus at least two *four-hundred* series courses

Special Provisos

—Departures from patterns above must be authorized by the department through the Chairman.

—Except where otherwise indicated, courses are open to all qualified students, but students seeking admission to *four-hundred* series courses before qualifying for the Ordinary degree must apply to the instructor and be authorized by the Chairman.

History students, particularly freshmen, should be aware that in each college a graduate student is regularly available to them for advice and assistance as a College Tutor in History.

History 100

An introduction to interpretative history, illustrated by the Canadian experience. Weekly lectures and weekly group discussions examine major problems in historical development and interpretation in Canada. Each student will concentrate

on one of the following areas in tutorials: a) Canada, 1600-1870; b) Canada, the Nineteenth Century; or c) Canada since 1840.

S.D. Standen and staff

History 120

The study of history today: An examination of leading approaches and interpretations, choosing topics from European and North American history for particular illustration. Lecture weekly, tutorial fortnightly. Open to first-year and some second-year students.

J.C. Barker and staff

History 200

The expansion of Europe from 1400 to 1825: Selected topics concerning the background to European expansion, and the economic and political effects of this process in the world outside Europe. Lecture weekly, two-hour tutorial fortnightly.

D.S. Macmillan

History 210

American history: Social, economic and political developments from the Colonial Period to the Age of Jackson. Lecture and tutorial weekly.

E.H. Jones

History 211

American history: Social, economic, constitutional and political developments from Andrew Jackson through Populism. Lecture weekly, tutorial fortnightly.

J. Syrett

History 220

Modern European history: Revolution, reform and industrialism in the Nineteenth and Twentieth Centuries. Lecture weekly, tutorial fortnightly.

C.M. Greene and S.T. Robson

History 230

Urban Canada, 1760-1920: A course in economic and social history; the development of and responses to urbanization in Nineteenth Century Canada. Lecture, tutorial weekly.

E.H. Jones and D. McCalla

History - Politics 300

Canadian history and politics: Selected topics in the development of Canadian federalism. Seminars and tutorials, with occasional lectures.

B.W. Hodgins

History 301

French Canada to 1840: Government and society in French Canada. Selected themes from the beginning of the French Régime to 1840. Lecture weekly, two-hour tutorial fortnightly.

S.D. Standen

History 310

American history: Social, intellectual and political aspects of the reform tradition since 1896, with attention to foreign policy as well as domestic. Recommended: *History 211*. Lecture weekly, two-hour tutorial fortnightly.

A. Wilson

History 320

Modern British history, 1780-1951: Selected themes in the making and evolution of modern British society, government and empire, since the Industrial Revolution, with special emphasis on Victorian England. Lecture weekly, tutorial fortnightly.

D.M. Schreuder and B. Heeney

History 330

German history from 1848 to 1939: Selected problems concerning the political, social, and economic history of the Germans. Two lectures, two tutorial hours fortnightly.

S.T. Robson

History 340

European imperialism, 1850-1960: Selected problems in the origin, theory and practice of modern Imperialism and Colonialism, with special reference to Africa. Lecture weekly, two-hour tutorial fortnightly.

R.J.D. Page and D.M. Schreuder

History 350

History of France from the death of Louis XIV to 1900: The course will focus on the French Revolution, its causes in the Eighteenth Century and its resolution in the Nineteenth Century. Normally four hours of lectures and tutorial discussion fortnightly.

C.M. Greene

History 351

The Scientific Revolution: A study principally of the intellectual development in Europe during the Seventeenth and Eighteenth Centuries, reviewing the course of scientific discovery and the growth and effects of the scientific outlook during the Age of the Enlightenment, chiefly in England and France. Lecture weekly, tutorial fortnightly.

J.C. Barker

History 360

Medieval Europe: A course of medieval studies with particular reference to the period 1048-1348. Selected topics concerning social, economic, cultural, and ecclesiastical developments. Lecture and tutorial weekly. (Not offered in 1973-74.)

History 370

Russian history: A study of the development of the Muscovite State and of the Tsarist Autocracy, with some attention to the

development of the reform and revolutionary movements.
Lecture weekly, two-hour tutorial fortnightly.
D.S. Macmillan

History 380

British history in the early modern era: 1461-1783. Lecture weekly, two-hour tutorial fortnightly.
F.A. Hagar

History 390

Reformation Europe: A course of studies with particular reference to the first half of the Sixteenth Century. Selected topics related to the theological and socio-economic aspects of the period. Lecture, tutorial weekly. (Not offered in 1973-74.)

History - Politics 400

Contemporary Canadian problems. (See *Politics 400*.)

History 401

The growth of the British North American provinces, 1807-1867, studied as an exercise in connectional history, and as affected by external and internal techniques, institutions, ideas and customs, in the timber trade, public administration, political institutions, inventions, etc.
W.L. Morton

History 402

Late Victorian Canada: An intellectual and social approach, 1870-1914. This course will investigate the ideas which lay behind the history of the period and analyze the society from which they emerged.

R.J.D. Page

History 410

North American history: social and political reform in American history, with Canadian comparisons, 1870-1945. Two-hour lecture/seminar fortnightly. (Not offered in 1973-74.)

A. Wilson

History 420

The Industrial Revolution: An advanced survey, emphasizing conflicting interpretations of this fundamental theme in modern history. The course will focus on the economic history of Britain and Europe in the Eighteenth and Nineteenth Centuries.

D. McCalla

History - Philosophy 470

Philosophy of history: A study of history as a form of enquiry, with special reference to problems of explanation, objectivity and the historical individual; also an examination of some general interpretations of the historical process. Offered jointly by the staff in Philosophy and History. During the Spring

Term, students majoring in History may elect individual work with members of the staff in History. Lectures and discussions in one two-hour session weekly.

History 480

Reading course: Special topics, designed to provide an opportunity for more intensive study of particular topics. Open to fourth-year honours undergraduates in History and to some third-year students by special application to the department. Regular consultation and direction during the academic year.

Mathematics

Professor of Mathematics and Chairman of the Department
A.P. Guinand, B.Sc. (ADELAIDE), D.Phil. (OXON.)

Professors

Cyril Carter, B.Sc., Ph.D. (LONDON) (on leave 1973-74);
T.E.W. Nind, M.A. (CANTAB)

Associate Professors

I.D. Chakravartty, M.Sc. (GAUHATI), Ph.D. (SASKATCHEWAN);
G.F. Hamilton, B.A.Sc., M.A., Ph.D. (TORONTO), P.Eng.;
T.N. Murphy, B.Sc. (LIVERPOOL)

Assistant Professors

J.P. Henniger, M.Sc., Ph.D. (MCGILL); E.A. Maxwell, M.Sc., Ph.D. (TORONTO)

Required Courses

Single-major Ordinary program. Minimum six courses in Mathematics

Mathematics 100

130

200

220 or 230

300

Joint-major Ordinary program. Minimum five courses in Mathematics

Mathematics 100

130

200

300 or 301

Single-major Honours program. Minimum eleven courses in Mathematics

Same requirements as for Single-major Ordinary program plus.

Mathematics 220

230

401

Three additional three-hundred or four-hundred series courses in Honours year

Joint-major Honours program: Minimum seven courses in Mathematics.
Same requirements as for Joint-major Ordinary program plus: *Mathematics 220* or *230*
Two additional *three-hundred* or *four-hundred* series courses in honours year

Special Provisos:

- Students intending to proceed to Honours should consult the Chairman of the department as soon as possible after the end of their second year.
- Students with a suitable mathematics background may take *Mathematics 100* and *Mathematics 130* or *241* (but not both) in first year.
- Normal prerequisites for other courses may be waived in appropriate cases by permission of the department.

Mathematics 100

Differential and integral calculus, selected topics from other areas of mathematics. Two lectures weekly, tutorial or seminar fortnightly. The course will be divided into three sections: a) for students with a good mathematics background and a primary interest in mathematics; b) for students interested in the applications of mathematics to the physical sciences; and c) for students interested in applications to the social sciences. Transfer between sections is permitted up to November 1. Prerequisite: At least one Grade 13 Mathematics credit or equivalent.

I.C. Chakravartty, J.P. Henniger, A.P. Guinand

Mathematics 130

Set theory and logic, linear and abstract algebra, the number system. Two lectures weekly, tutorial fortnightly.
T.E.W. Nind

Mathematics 200

General mathematics: Partial differentiation, multiple integrals, differential equations, elementary properties of a complex variable, infinite series, and the co-ordinate geometry of lines, planes and spheres in three dimensions. Prerequisite: *Mathematics 100*. Two lectures weekly, tutorial fortnightly.
A.P. Guinand

Mathematics – Physics 210

Applied mathematics: Classical mechanics of particles and rigid bodies, introduction to Lagrangian mechanics. Prerequisite: *Mathematics 100*. Two lectures weekly, tutorial fortnightly.
G.F. Hamilton

Mathematics 220

Linear algebra: Scalar products, eigenvectors and eigenvalues, the spectral theorem, tensor products. Prerequisite: *Mathematics 130*. Two lectures weekly, tutorial fortnightly. (Offered in 1973-74 and alternate years.)
T.N. Murphy

Mathematics 230

Modern algebra: Groups, Rings and Fields. Prerequisite: *Mathematics 130*. (Offered in 1974-75 and alternate years.)
T.N. Murphy

Mathematics 241b

Numerical analysis: This course provides an introduction to the solution of mathematical problems on the computer: solution of equations, linear methods, linear programming, finite difference methods, numerical integration, statistical analysis. Prerequisite: *Computer Science 200a*, *Mathematics 100* or permission of the department. Two lectures weekly, periodic computer workshops. When taken with *Computer Science 200a* may count as a full course credit toward a Mathematics Major.

Mathematics – Statistics 250

Mathematical statistics: an introduction to probability theory and mathematical statistics. Prerequisite: *Mathematics 100*. Lecture weekly, seminar fortnightly.
E.A. Maxwell

Mathematics 300

Analysis: The real and complex number system, sequences and series, metric spaces, Riemann integration, improper and infinite integrals, analytic functions, Taylor's, Laurent's and Liouville's theorems, Cauchy's theorem and the residue calculus, conformal mappings. Prerequisite: *Mathematics 200*. Two lectures weekly, tutorial fortnightly.
I.C. Chakravartty

Mathematics 301

Analytic techniques: Functions of a complex variable, special functions, Fourier series and Fourier integrals, ordinary and partial differential equations, orthogonal functions, Sturm-Liouville problem, calculus of variations. Prerequisite: *Mathematics 200*. Two lectures weekly, tutorial fortnightly.
G.F. Hamilton

Mathematics 321

Geometry: projective and differential geometry, foundations of metric and non-Euclidean geometries. Prerequisite: *Mathematics 130, 200*.
A.P. Guinand

Mathematics 322

Number theory and classical algebra: including infinite series and products, advanced trigonometry. Prerequisite: *Mathematics 100*. Two lectures weekly, tutorial fortnightly.
A.P. Guinand

Mathematics 332

Topology: Elementary general topology, identification spaces, the fundamental group. Prerequisites: *Mathematics 200* and *230*.

Mathematics 341

Mathematical programming: classical optimisation theory, linear programming, Kuhn-Tucker conditions, non-linear programming, integer and dynamic programming. Prerequisites: *Mathematics 200* and *240*. Two seminars weekly. (Not offered in 1973-74.)

Mathematics 342

Numerical analysis: linear computation, polynomial approximations, numerical solution of ordinary and partial differential equations, simulation methods. Prerequisites: *Mathematics 200* and *240*. Two seminars weekly.

Mathematics – Statistics 351

Experimental statistics: linear statistical models, regression analysis, design and analysis of experiments. Prerequisite: *Mathematics 250* and knowledge of basic linear algebra. Seminar weekly.
E.A. Maxwell

Mathematics – Statistics 352

Inference: a general survey of the philosophies and techniques in inference. Prerequisite: *Mathematics 250*. Seminar weekly. (Not offered in 1973-74.)

Mathematics 401

Special honours topic: details will be arranged individually in consultation with the Chairman of the department.

Mathematics 431

Algebra: category and functor, universal elements, rings, principal ideal domains, modules, structure of groups, Sylow and Jordan-Holder theorems. (Formerly *Mathematics 331*.) Prerequisite: *Mathematics 230*.
T.N. Murphy

Statistics 100

See section on Interdisciplinary Studies at beginning of Courses of Study.

Native Studies

Professor of Native Studies and Chairman of the Department
Walter Currie, B.A. (WESTERN ONTARIO), LL.D. (LAURENTIAN)

Associate Professor

C.H. Torok, M.A. (BRITISH COLUMBIA), PH.D. (TORONTO)

Assistant Professors

D.N. McCaskill, B.A. (WINNIPEG), M.A. (CARLETON),
H.A. McCue, B.A. (TRENT)

Special Lecturers

P.A. Cumming, M.A. LL.B. (MANITOBA), LL.M. (HARVARD);
Malcolm Montgomery, Q.C., B.A. (QUEEN'S)

Required Courses

Single-major Ordinary program. Minimum six courses in Native Studies

Native Studies 100
210

Joint-major Ordinary program. Minimum five courses in Native Studies

Native Studies 100
210

Note

Honours programs are not yet offered in Native Studies.

Recommended Courses

Intending majors are advised to consult the department and this calendar for cognate courses in such disciplines as Anthropology, Geography, History and Sociology.

Native Studies 100

A survey of the political, economic and social processes which affect the native Canadian in the contemporary Canadian society. Two-hour lecture and seminar weekly, occasional field trips and workshops.
W. Currie and staff

Native Studies 200

Politics and the native peoples: An analysis of political and administrative processes as they affect Native Peoples in Canada. The course will examine such issues as: the rise of political awareness among Native Peoples in North America; pan-Indianism and "red power"; the role of federal and provincial government policy in Indian, Inuit, and Métis affairs; and the ideology, organizational structure, strategies, and tactics of contemporary native political associations. Prerequisite: *Native Studies 100* or permission of instructor. Lecture and seminar weekly.

D.N. McCaskill

Native Studies – Anthropology 201

Native Societies in Canada: See *Anthropology 201*.

Native Studies 210

The Indian identity: A study of native (Indian, Eskimo and Métis) personalities and values in the native setting. Lecture fortnightly, tutorials weekly, occasional field trips.
H.A. McCue

Native Studies 300

Regional problems of development: A study of the current processes in native communities to develop a political and cultural consciousness with special emphasis on the regional nature of the native communities. Lecture fortnightly, tutorials weekly, occasional field trips. Prerequisite: *Native Studies 210* or permission of instructor. Lecture and seminar weekly.

H.A. McCue

Native Studies 320

Urbanization and the native peoples: An analysis of the processes involved in the migration, adjustment and integration of native people into urban areas in Canada. Various assimilation and acculturation models will be critically examined. The course will also compare the urban experiences of the native migrant with those of members of other ethnic groups.

D.N. McCaskill

Native Studies 330

Education and the Native Peoples: An examination through reading, field trips, and guest lecturers of the contemporary and historical background of the role and of the results of education upon the native peoples. Prerequisite: *Native Studies 100* or permission of instructor. Lecture and seminar weekly.

W. Currie

Native Studies 340

Law and the Canadian Indian: An examination of the historical processes which have affected the legal status of the native population in Canada. Ample time will be devoted to examining contemporary legal issues, such as aboriginal rights, the Indian Act and Treaties, as well as some case law. Lecture and seminar weekly.

M. Montgomery and P.A. Cumming

Native Studies 390

Selected topics in native studies: This course is intended for third-year students majoring in Native Studies, and for some second-year students by application to the department, who wish to pursue a study program in an area not listed in the regular offerings, or who wish to carry out independent research. This will be carried out under the supervision of a member of the department. Details must be arranged through the department by April 30 of the preceding year.

Philosophy

Professor of Philosophy and Chairman of the Department
David Gallop, M.A. (OXON.) (on leave 1973-74)

Professors

W.H. Dray, B.A. (TORONTO), M.A., D.PHIL. (OXON.), F.R.S.C. (on leave 1973-74); J.I. MacAdam, B.A. (NEW BRUNSWICK), M.A. (QUEEN'S), PH.D. (LONDON); M.L. Rubinoff, B.A. (QUEEN'S), M.A., PH.D. (TORONTO)

Associate Professors

J.W. Burbidge, M.A. (YALE), B.D., PH.D. (TORONTO); R.E. Carter, A.B. (TUFTS), B.D. (HARVARD); M.A., PH.D. (TORONTO); Marion G. Fry, M.A. (DALHOUSIE), B.LITT. (OXON.); W.A. McMullen, M.A., PH.D. (CANTAB.)

Assistant Professors

C.V. Boundas, M.A. (PURDUE); Trudy R. Govier, B.A. (ALBERTA), M.A. (CALGARY), PH.D. (WATERLOO); Alan Orenstein, B.A. (YORK); K.R. Rautenkranz, B.A. (OREGON STATE), M.A. (ILLINOIS)

Required Courses

Single-major Ordinary program. Minimum five courses in Philosophy

Philosophy 100

210 or 212 strongly recommended

Joint-major Ordinary program. Minimum five courses in Philosophy

Same requirements as for single-major

Single-major Honours program. Minimum nine courses in Philosophy

Philosophy 100

210 or 212

Two four-hundred series Philosophy courses including 400 or 401

Joint-major Honours program. Minimum seven courses in Philosophy

Same requirements as for single-major Honours

Special Provisos

—*Philosophy 100*, although not a formal prerequisite, offers a preparation for all other courses in the subject.

—Freshmen will occasionally be permitted to enrol in upper year courses after consultation with the Chairman.

—The Honours year will normally consist of four courses.

—Further details of the program in Philosophy are given in the departmental *Handbook*, which is obtainable from the office of the secretary to the Chairman.

Philosophy 100

Introduction to philosophy: A study of some fundamental problems and their treatment in a variety of philosophical writings: the existence of God, the relation of mind and body, freedom of the will, the foundations of moral judgment, and the role of reason and sense-perception in our knowledge of the physical world. Weekly lecture, fortnightly tutorial, periodic workshops.

The staff in Philosophy

Philosophy 210

Ancient philosophy: The development of philosophical thought from the Pre-Socratics to Neo-Platonist and Christian thinkers of late antiquity. Special emphasis will be placed upon selected works of Plato and Aristotle. Weekly lecture, weekly seminar or tutorial.

M.G. Fry

Philosophy 212

Early modern philosophy: A study of some Seventeenth and Eighteenth century writers, including Descartes, Leibniz, Spinoza, Locke, Berkeley, Hume, Kant.

T.R. Govier

Philosophy 214

Existentialism and phenomenology: A systematic examination of philosophical problems in a) literature, art, and drama, b) philosophy and religion, c) philosophy, politics and society, d) metaphysics and epistemology. Texts will be chosen from among the writings of Dostoevsky, Kierkegaard, Nietzsche, Kaffka, Hesse, Husserl, Heidegger, Sartre, Camus, Merleau-Ponty, Berdyaev, Buber, Ricoeur. Weekly two-hour seminar.

M.L. Rubinoff

Philosophy 230

Moral issues: A study of such practical problems as sex and marriage, birth control, abortion, suicide, euthanasia, capital punishment, drugs, racial discrimination, revolution and non-violent resistance, with emphasis on their implications for ethical theory. Weekly two-hour seminar.

W.A. McMullen, J.W. Burbidge and A. Orenstein.

Philosophy - Politics 233

Political Philosophy: (See *Politics 233*).

Philosophy 240

Logic: An introductory study of formal logical systems, together with their use in the analysis of various types of arguments, and a discussion of certain problems in the philosophy of logic. Weekly lecture, weekly tutorial.

K. Rautenkranz

Philosophy 270

Philosophy of science: The origins and development of science, some scientific world views, and the general nature of scientific method, with special attention to the concepts of law, theory and explanation employed in the physical, biological and social sciences. Weekly lecture, weekly tutorial. (Offered in 1973-74 and alternate years.)

K. Rautenkranz

Philosophy 279a

Philosophy of religion (comparative): An examination of philosophical texts representing some main religious traditions, with a view to determining how their specific differences affect the philosophic formulation of faith. (Not offered in 1973-74.)

Philosophy 310

Special topics in ancient philosophy: A study of problems or texts of interest to students wishing to do more advanced

work. Prerequisite: *Philosophy 210* or the permission of the department. Weekly two-hour seminar. (Not offered in 1973-74.)

Philosophy 311

Medieval philosophy: Problems central to medieval thought from Augustine to Thomas Aquinas: the nature of God, faith and reason, the problem of evil, free will, essence and existence, universals and truth, time and eternity. Prerequisite: *Philosophy 100*. Weekly lecture, weekly tutorial.

M.G. Fry

Philosophy 312

The Nineteenth Century: The main movements of thought as found in selected writings of Fichte, Hegel, Schopenhauer, Feuerbach, Marx, Kierkegaard, Nietzsche, Comte, J.S. Mill, Peirce, Bergson, Bradley. Weekly two-hour seminar. (Offered in 1972-73 and alternate years.)

Philosophy 313

The Twentieth Century: A detailed study of problems and methods. Texts will be chosen from the writings of Bradley, Collingwood, Moore, Russell, Husserl, Wittgenstein, Austin, Quine, Ricoeur, Whitehead, Dewey, and others. Prerequisite: two previous courses in Philosophy or the permission of the instructor. Weekly two-hour seminar.

C.V. Boundas

Philosophy 320

Metaphysics and epistemology: A study of some traditional problems such as the nature of space and time, causation, existence, universals, knowledge and belief, perception, meaning and truth. Prerequisite: *Philosophy 100* or the permission of the department. Weekly two-hour seminar.

T.R. Govier

Philosophy-Psychology 323a

Philosophy of mind: A study of self-consciousness, intelligence, thought, emotion, choice, intention, belief, pain, memory, and of philosophical problems to which these concepts give rise. Weekly two-hour seminar.

W.A. McMullen

Philosophy 330

Ethical theory: A consideration of the role of emotion, will and reason in moral action and judgment. A variety of views will be examined in classical and contemporary philosophers, including Hume, Kant, Sartre, Baier and Prichard. Weekly two-hour seminar.

J.I. MacAdam

Philosophy-Politics 333

Political philosophy: Statist and revolutionary theories in Hegel, Marx and Engels, and some more recent writers: critiques of liberal individualism, the state as necessary to freedom, problems of revolution. Offered jointly by Politics

and Philosophy. Prerequisite: *Philosophy–Politics 233*, or *Social Theory 200*, or the permission of either department. (Offered in 1973-74 and alternate years.)
D. Kettler and J.I. MacAdam

Philosophy–Politics 334

Political philosophy: Liberal democratic theory in Locke, Bentham, Mill and more recent writers: the meaning of democracy and liberalism, rights, liberty, consent and representative government. Offered jointly by Politics and Philosophy. Weekly two-hour seminar. Prerequisite: One course in Politics or Philosophy. (Offered in 1974-75 and alternate years.)

Philosophy 370a

Philosophy of history: Theories of historical causation and of the significance of the historical process, as found in the work of Augustine, Vico, Hegel, Marx, Toynbee, Spengler, Niebuhr. May not be taken for credit as well as *Philosophy–History 470*. Weekly two-hour seminar.

M.L. Rubinoff

Philosophy 371b

Philosophy of religion: An examination of the nature and status of religious belief, as discussed or displayed in some recent philosophical and theological writings, with special attention to the roles of reason and emotion in religion, and to the attempt to reduce religious belief to matters of social ethics. Weekly two-hour seminar.

J.W. Burbidge

Philosophy 372a

Philosophy of art: An introductory study of basic problems of aesthetic theory: the nature and purpose of a work of art, form and content in the arts, the role of art in expressing emotion, the meaning and justification of aesthetic judgments. Readings will be selected from such authors as Plato, Kant, Hegel, Nietzsche, Tolstoy and Collingwood. Weekly two-hour seminar.

A. Orenstein

Philosophy 373b

Philosophy of education: An enquiry into the nature and aims of education through a study of selected classical and contemporary authors such as Plato, Rousseau, Dewey, Whitehead, Paul Goodman, B.F. Skinner and Ivan Illich. The Hall-Dennis Report will also be considered. Weekly two-hour seminar.

M.L. Rubinoff

Philosophy–Politics 374b

Philosophy of law: An examination of theories of natural and legal justice, of the nature of law itself, of responsibility, *mens rea* and negligence and of the justifications of punishment. Special emphasis will be given to the relevant writings of Aristotle, Kant, John Austin and H.L.A. Hart. Weekly two-hour seminar. (Not offered in 1973-74.)

Philosophy 375b

Philosophy of language: An investigation of the nature and structure of language, traditional theories of communication, the relation between language and thought, the significance of theories of language for traditional philosophic problems.
C.V. Boundas

Philosophy 376a

Philosophy of social science: A systematic examination of such topics as "the logic of explanation", "reasons, causes and motives", "social science, social theory and social action". Consideration will be given to positivistic and naturalistic approaches as well as to humanistic and phenomenological ones. Texts will be chosen from the writings of J.S. Mill, Wilhelm Dilthey, Max Weber, Alfred Schutz, Carl Hempel, Maurice Natanson, B.F. Skinner, J.P. Sartre, and Peter Winch. (Offered in 1974-75 and alternate years.)

Philosophy 377b

Special topics in the philosophy of art: A study of selected problems including the metaphysical status of art objects and the nature of representation in the arts, with special reference to the writings of Wollheim, Gombrich, Zuckerkandl, Cavell and Nelson Goodman. Prerequisite: *Philosophy 372a* or permission of the instructor. Weekly two-hour seminar.

A. Orenstein

Philosophy – Greek 385

Greek philosophical texts: A study of selected authors in the original Greek. Offered jointly by the staffs in Philosophy and Classics. Prerequisite: *Greek 200* and the permission of the departments. Weekly tutorial. (Not offered in 1973-74.)

Philosophy 390

Reading course: Students will be encouraged to pursue a special interest, largely through independent study. Details will be arranged in consultation with the staff in Philosophy between April 15-30 of the preceding academic year. Periodic tutorials.

Philosophy 391b

Reading course: Similar to *Philosophy 390*, to be taken in conjunction with a half-course in Philosophy offered during the Autumn Term. Requires permission of the department.

Four-hundred series courses are normally limited to students enrolled in the Honours year in Philosophy. Third year Philosophy majors and fourth-year students not majoring in Philosophy may occasionally be admitted with the permission of the instructor.

Philosophy 400

Philosophical texts: An intensive study of major philosophical works, both classical and contemporary. Choices for a given academic year will be announced by the department by April 15 of the preceding year. Weekly two-hour seminar.

Politics

Associate Professor of Politics and Chairman of the Department
D.R. Cameron, B.A. (BRITISH COLUMBIA), M.SC., PH.D.
(LONDON)

Professors

David Kettler, A.B., M.A., PH.D. (COLUMBIA); S.G.D. Smith, B.A.
(MCGILL), M.A., B.LITT. (OXON.)

Associate Professors

Margaret P. Doxey, B.SC., PH.D. (LONDON) (on leave after Christmas); K.R.V. Lyon, B.A. (BRITISH COLUMBIA); D.R. Morrison, M.A. (SASKATCHEWAN), D.PHIL. (SUSSEX), (on leave 1973-74); W.F.W. Neville, B.A. (MANITOBA), M.A. (OXON.) (on leave 1973-74); Joseph Wearing, B.A. (WESTERN ONTARIO), M.A. (TORONTO, OXON.), D.PHIL. (OXON.)

Assistant Professors

P. Bandyopadhyay, B.A. (CALCUTTA), M.A. (OXON., MANCHESTER), PH.D. (MANCHESTER); (on leave 1973-74); R.C. Paehlke, B.A. (LEHIGH), M.A. (NEW SCHOOL FOR SOCIAL RESEARCH)

Required Courses

Single-major Ordinary program. Minimum six courses in Politics

Politics 100

At least two courses at *three-hundred level*

Joint-major Ordinary program. Minimum five courses in Politics

Same required courses as for single-major

Single-major Honours program. Minimum nine courses in Politics

Politics 100

223 (or, with departmental approval, another course in Political Theory)

At least one of *Politics 333, 334, 335, 410, 440*

At least two courses at the *four-hundred level*

Joint-major Honours program. Minimum seven courses in Politics

Politics 100

223 (or, with departmental approval, another course in Political Theory)

At least one of *Politics 333, 334, 335, 410, 440*

At least one course at the *four-hundred level*

Special Provisos

—Freshmen may take *Politics 100* and/or one of *Politics 210* or *220*, without special permission.

—After successful completion of *Politics 100* with a C grade or better, a student may enrol in *two-hundred* and *three-hundred level* courses without special permission, provided stated prerequisites have been met. Proposals for reading

courses under *Politics 360* and *460* should be developed in consultation with tutors and approved by the department, preferably in the Spring Term of the preceding year and in no case later than the Friday before Thanksgiving of the year in which they are to be taken. Further details of the program in Politics may be obtained from the office of the secretary to the Chairman of the department. Students who intend to major in Politics are advised to discuss their program of studies with the Chairman of the department or a tutor in Politics in their college.

Politics 100

An introduction to the study of politics: an examination of two major political themes which are particularly relevant to Canadian politics: nationalism and liberal democracy. Each theme is examined at both the theoretical level and through a study of contemporary political developments in Canada. Lecture weekly, occasional special class meetings, tutorials fortnightly.

R.C. Paehlke and staff

Politics 200

Canadian politics: An intermediate course in which special attention will be given to Canadian political culture, regionalism and political parties; the institutions of decision-making at the federal level; an evaluation of the policy achievements of Canadian government. Prerequisites: *Politics 100* or permission of the department. Regular tutorials and lectures. *S.G.D. Smith and J. Wearing*

Politics 210

Politics U.S.A.: A study of American political attitudes and institutions set in the context of an evaluation of the ability of the American political system to cope with such problems as racial tension, violence, poverty and the deteriorating quality of urban life. Regular tutorials and occasional lectures. *K.R.V. Lyon*

Politics 220

International politics: An introduction to the study of international politics beginning with the Second World War and placing particular emphasis on the origins and problems of the Cold War. Special attention will be given to the foreign policies of the major states and to consideration of a number of selected problems, both practical and theoretical, relating to the international system as it has developed since 1945. Regular tutorials and occasional lectures. *M.P. Doxey*

Politics-Philosophy 233

Political Philosophy: An introductory examination of some major writings, including selections from Plato, Aristotle, Machiavelli, Hobbes, Locke and Rousseau; and study of such ideas as justice, power, natural law, democracy and constitutionalism. Offered jointly by Politics and Philosophy.

Freshmen not normally admitted. Weekly lecture, fortnightly tutorial.

D. Cameron and J. MacAdam

Politics—History 300

Canadian politics and history: Selected topics in the development of Canadian federalism. (See *History 300*).

Politics 310

Ontario: Its politics and problems. A critical examination of policy formulation and achievement in fields such as education, social services, transportation, finance; and a study of the problems raised by governmental structures in such areas as the growth of provincial public administration, the functions of the legislature and the executive, inter-governmental relations, and the position of the three provincial parties. Weekly evening lectures, fortnightly tutorials. Prerequisite: *Politics 100*. The lectures may also be taken on a non-credit basis without prerequisite.

J. Wearing and staff

Politics 320

Conflict and co-operation in international relations: An analysis of the relations between states based on contemporary theoretical approaches to the subject. Characteristics of international systems, the goals and instruments of national policy, sources of tension and conflict, decision-making and the role of coercion will be discussed in the first part of the course. In the second part, emphasis will be placed on international co-operation at the universal and regional level. Prerequisite: *Politics 220* or permission of the department. Regular tutorials and seminars.

M.P. Doxey

Politics 321a

International law: An introductory study of international law, its sources and functions, achievements and shortcomings. Emphasis will be placed on the relevance of international law to contemporary international society both as a medium of communication and as a system of restraints. May be taken in conjunction with *Politics 220* or permission of the department. Weekly seminars. (Not offered in 1973-74.)

Politics 330

Comparative European politics: A study of the social structures and political parties of the Western European parliamentary democracies, and the process of European integration. Prerequisite: Any Politics course or a course in modern European history. Lectures and tutorials alternate on a weekly basis.

J. Wearing

Politics—Philosophy 333

Political philosophy: Statist and revolutionary theories. (See *Philosophy 333*.)

Politics—Philosophy 334

Political philosophy: Liberal democratic theory. (See *Philosophy 334*.)

Politics 335

Ideology: The term ideology plays an important role in recent empirical and historical enquiries into political beliefs as well as in philosophical interpretation of political ideas. The course will examine representative literature from both contexts and consider relationships among them. An important theme will be the political roles of intellectuals. Regular seminars.

D. Kettler

Politics 350

The politics of development: A study of third-world politics with particular reference to the problems of modernization and political development; the relationship between politics and socio-economic change; the roles of ideologies, political parties, public bureaucracies and voluntary associations in nation-building processes. Prerequisite: *Politics 100* or permission of the department. Fortnightly tutorials; occasional lectures. (Offered in 1974-75 and alternate years.)

Politics 351

Politics and social change in the developing areas: In the context of selected developing areas, the course will examine problems of political culture, modernization, patterns of conflict and the maintenance of order, and the roles of the military. It will also consider political-economic aspects of "underdevelopment" and the institutional changes, general economic policies and planning orientations associated with development efforts. Prerequisite: *Politics 100* or permission of the department. Weekly lecture, weekly seminar.

P. Bandyopadhyay

Politics 360

Special topics in politics: A reading course open only to students majoring in Politics, designed to provide an opportunity for more intensive examination of material studied concurrently in other political courses. Prerequisite: Permission of the department.

Politics—Sociology 370

Political sociology: The course will consider the interrelations of social processes and political phenomena. The major concerns will be: the historical and comparative study of the state and related institutions, the structure and formation of socio-political cleavages, sociological aspects of electoral behaviour and party systems. Empirical material from several countries will be considered in order to clarify and assess theoretical explanations and frameworks. Prerequisites: *Politics 100* or *Sociology 100*, or permission of the department. Weekly lecture, weekly seminar.

P. Bandyopadhyay

Politics-Philosophy 374b

Philosophy of law. (See *Philosophy-Politics 374b*).

Politics-History 400

Contemporary Canadian problems: A study of the policy-making process in Canada. Attention will be directed to both the formal structures of decision-making and the forces in contemporary Canada which are having a major influence on these decisions. The constraints on and opportunities for autonomous Canadian policy-making will be examined.

Two-hour fortnightly seminars.

V. Lyon and S.G.D. Smith

Politics 410

Contemporary political analysis: A critical examination of recent approaches to the study of politics. Prerequisite: permission of the department. Weekly tutorials.

R.C. Paehlke

Politics 420

Foreign policy analysis: An analytical study of the process of formulating and executing foreign policy with emphasis on internal and external constraints on decision-making. *Either* Canadian *or* United States foreign policy will be studied in depth. Prerequisite: permission of the department. Fortnightly tutorials. (Not offered in 1973-74.)

Politics 440

Marxism - criticism and development: A study of the developmental process in the work of Marx and later marxists. The chief concern will be conceptual clarity and methodology. A reading knowledge of French will be most useful. Fortnightly tutorials, seminars. (Not offered in 1973-74.)

Politics 460

Special topics in politics: A reading course for Politics Honours students, or for students in the final year of a Politics major program. Prerequisite: permission of the department. Periodic tutorials.

Politics 470

Honours thesis.

Psychology

Professor of Psychology and Chairman of the Department
A.G. Worthington, B.COM. (QUEENSLAND), PH.D. (LONDON), M.A.P.S.

Professors

J.M. Blackburn, B.SC. (LONDON), PH.D. (CANTAB.); J.P.S. Robertson, M.A. (NEW ZEALAND), PH.D. (LONDON), F.B.Ps.S. (on leave 1973-74)

Visiting Professor

K.A. Leithwood, B.A. (TORONTO), B.P.E. (McMASTER), M.P.E. (BRITISH COLUMBIA), PH.D. (TORONTO)

Associate Professors

B.L. Beach, B.A. (ACADIA), M.A. (DALHOUSIE), PH.D. (MCGILL); R.G. Setterington, M.A., PH.D. (TORONTO); H.J. Stanford, M.A., PH.D. (QUEEN'S); Peter Watson, M.A., PH.D. (WESTERN ONTARIO); Gordon Winocur, M.A. (MANITOBA), PH.D. (WATERLOO) (on leave 1973-74)

Assistant Professors

Carole Ernest, B.A. (SASKATCHEWAN), M.A., PH.D. (WESTERN ONTARIO); D.G. Lowe, B.A. (McMASTER), M.A., PH.D. (WATERLOO); R.B. Morris, B.A. (REDLANDS), M.SC. (WASHINGTON), PH.D. (ALBERTA); Paul Scott, B.A. (OREGON), PH.D. (MICHIGAN); C.T. Smith, B.SC. (MANITOBA), M.A., PH.D. (WATERLOO); P.T.-P. Wong, B.A. (CARLETON), M.A., PH.D. (TORONTO)

Lecturer

Catherine Sproule, B.A. (TORONTO)

Required Courses

Single-major Ordinary program. Minimum six courses in Psychology

Psychology 101

210

At least one additional *two-hundred* series Psychology course
At least three *three-hundred* series Psychology courses

Joint-major Ordinary program. Minimum five courses in Psychology

Psychology 101

210

At least one additional *two-hundred* series Psychology course
At least two *three-hundred* series Psychology courses

Single- and Joint-major Honours program. Entry into and arrangement of the Honours program in Psychology is contingent on an interview with members of the department; candidates will not normally be considered for the Honours program unless *Psychology 310* has been included in their Ordinary degree program.

Recommended courses

Biology 286a, 381b, 383a; Mathematics 100, 130, 343; Statistics 100; Mathematics-Statistics 250, 351, 352; Computer Science 200a; Philosophy 240, 270, 323a; Sociology 315; English 390.

Psychology 101

Introduction to psychology: A survey of the major areas of psychology, including its historical development and the methods of the science. The course includes material on the development of behaviour, learning, memory, motivation and emotion, the biological bases of behaviour, perceptual pro-

cesses, individual differences, personality, abnormal behaviour, and the social determinants of behaviour. Two lectures weekly, one three-hour laboratory session or seminar discussion fortnightly.

C.H. Ernest

Psychology 200

Individual development and the social context: Selected topics discussed from the orientation of developmental psychology, personality, and social psychology. Consideration is given to the definition of these areas within psychology, the research methods of these areas, the biological background and its influences, the socio-cultural context, and the development and definition of abnormalities. Two lectures weekly, seminar fortnightly, occasional tutorials. Prerequisite:

Psychology 101.

C. Sproule

Psychology 210

Intermediate experimental psychology: A course on experimental methods in Psychology, dealing with the design and execution of experimental studies and techniques of statistical analysis. The course will focus on work in the areas of psychophysics, perceptual processes, learning, memory, and complex human behaviour. Two lectures weekly, two-hour laboratory or seminar fortnightly. Prerequisite: *Psychology 101.*

D.G. Lowe

Psychology 221

Introduction to physiological and comparative psychology: A consideration of the methods and techniques of physiological and comparative psychology. Content of the course includes topics relating to neuroanatomy, sensory and motor systems, physiological mechanisms of behaviour, innate vs. learned behaviour, individual and social behaviour of animals, etc. Two lectures weekly, one two-hour seminar weekly. Prerequisite: *Psychology 101.*

C.T. Smith

Psychology 301

Educational psychology: An examination of the ways in which the methods and content of psychology may be applied in the search for solutions to problems of teaching and learning, with emphasis on the theoretical and empirical bases for decisions about what constitutes sound educational practice. Teaching method will be equivalent to one lecture and one seminar or tutorial weekly and at least one major assignment per term. Prerequisite: *Psychology 101.*

H.J. Stanford

Psychology 305

Psychology of innovative school programs: An examination of methods of identifying and conceptualizing practical problems in educational settings, generating and applying possible solutions, and evaluating the success of those solutions. The course will involve practical work in a school situation,

supplemented by periodic lecture/seminar sessions.

Prerequisites: *Psychology 101* and permission of the instructor.

K.A. Leithwood

Psychology 310

Advanced experimental psychology: An intensive study of experimental methods in selected areas of psychology, and advanced statistical analysis. The course will consist of seminars and experimental projects. One lecture weekly; seminar or tutorial weekly; three-hour laboratory weekly.

Prerequisites: *Psychology 101* and *210.*

A.G. Worthington

Psychology 321

Industrial psychology and human factors: The application of psychological methods to problems in industry and other applied areas. One lecture and one two-hour seminar weekly.

Prerequisite: *Psychology 101.* (Might not be offered in 1973-74.)

Psychology-Philosophy 323a

Philosophy of mind: See *Philosophy-Psychology 323a.*

Psychology 331

Individual differences and personality theory: An in-depth, empirically-oriented analysis of a number of important personality theorists including Freud, Jung, Adler, Erikson, Allport, Lewin, behaviourist and humanist theorists. An examination of the principles of the construction and applied use of various types of psychological tests. Training in test administration given, and ethical problems in test usage considered. Two lectures weekly, one tutorial/seminar fortnightly.

Prerequisite: *Psychology 101*; Recommended: *Psychology 200.*

P.T.-P. Wong

Psychology 335

Contemporary trends in personality: A discussion of certain current approaches to the study of personality. Emphasis will be placed on the contributions of Third Force, existentialist and phenomenological theorists through an examination of their conceptual and creative works. The dynamics of abnormal behaviour as related to contemporary movements in personality will be discussed. Lecture weekly; tutorial fortnightly. Enrolment may be limited. Prerequisite: *Psychology 101.* Recommended: *Psychology 200.*

B.L. Beach

Psychology 340

Experimental abnormal psychology: A survey of deviations and disorders in behaviour as investigated by experiments and other systematic procedures. The application of psychological research to medical and allied problems. One two-hour lecture weekly, one tutorial fortnightly, various laboratory and demonstration sessions. (Might not be offered during 1973-74.) Prerequisite: *Psychology 101* and permission of the instructor.

Sociology 210

Sociological enquiry: Microsociology. A critical examination of the contribution of sociological thinkers to our understanding of various aspects of social reality: consciousness, roles, institutions. Monographs from different perspectives will demonstrate the variety of theories, strategies of enquiry and techniques of research that have been used in this task. Lectures, two seminars weekly.

R.T. Bowles, J. Hillman, A.D. Lewis, A. Wernick

Note: *Sociology 210* and *211* are offered jointly and must be taken together.

Those who have *Social Theory 200*, or other theoretical work in cognate disciplines may make special arrangements to waive the requirement of *Sociology 210* or *211*, but not both.

Sociology 211

Sociological enquiry: Macrosociology. A companion course to *Sociology 210* in which the reciprocal problems of social structure, religion and ideology are examined. One area of enquiry is the Canadian community. Lecture, two seminars weekly.

R.T. Bowles, J. Hillman, A.D. Lewis, A. Wernick

Sociology 221

Sociological methods: An introduction to the concepts and practices of research analysis. The emphasis is placed on the basic ideas underlying various procedures, and on the question of fit between obtainable data, appropriate procedures, and the existing forms of sociological theory. (Formerly *Sociology 321*.) One three-hour lecture-laboratory session weekly.

D. Hook-Czarnocki and staff

Sociology 241

Kinship and family: An examination of the structure of contemporary kinship (in the broadest sense of the term). Themes that will be explored: the general relation between economy, class, and culture; male-female social relations; sexuality; socialization; the social context of isolation and "insanity"; inter-generational conflict, youth culture, and "counter-culture". Lecture, two seminars weekly.

Sociology 280

Class and race: A comparative analysis of the processes whereby wealth, power, and prestige are allocated in various societies.

J. Hillman, A.D. Lewis

Sociology 312

Sociological explanation and the sociology of knowledge: Various sociological views of "explanation", "science", and "knowledge" are explored critically. Topics include: Origins of scientific thought; consequences of scientific thought for the liberation and the manipulation of human personality, etc.; contributions of leading scholars in various eras of socio-

logical thought (e.g., Comte, Spencer, St. Simon, Marx, etc.). Lecture and seminar weekly. (Might not be offered in 1973-74.)

Sociology 322

Inference and verification: An examination of how theory is constituted and elaborated looking particularly at concept formation, theoretical fields, issues of scope and consistency, and the relations of explanation and description to theory. While concentrating on sociology, the logical structure, scope, etc. of theory in other areas will also be considered. Lecture, two seminars weekly.

P. Bandyopadhyay and J. Hillman

Sociology 332

Social organization and bureaucracy: An analysis of simple and complex social organizations, with particular emphasis on the structuring and functioning of large-scale bureaucracy and post-bureaucratic forms. The course will examine both industrial and service organizations, and will be concerned with work relations, occupational development, etc. Lecture, seminar weekly.

J.C. McDonald and R.F. White

Sociology 340b

Sociology of education: An examination of the structure and functions of education and their relationship to those of other social institutions, with particular reference to socialization and social control, ability and opportunity, social mobility, social and cultural factors in achievement and the teaching profession. Lecture, two seminars weekly. (Not offered in 1973-74.)

Sociology 343

Self and society: An examination of the effects of social structure and culture on self development and personality growth, and the effects of individual action on the social system. Consideration of the effects of social interaction in the process of social change, and analysis of social pathology, deviance, mental health, etc. Weekly lecture and seminar.

A. Wernick and staff

Sociology 361

Deviance and social control: A study of the major theories of deviance and an examination of their relevance and utility in the understanding of the causal and ideological aspects of crime, alcoholism, drug addiction, and mental disorders. The nature of social control including an analysis of the role of punishment, treatment, and total institutions in our society. Lecture, two seminars weekly. (Might not be offered in 1973-74.)

Sociology 362a

Social administration: An examination of the structure and functions of the system of welfare programs and services in contemporary Canadian society. Emphasis will be placed on the exploration of current issues; the perception of welfare

by different groups in society and its influence on social planning and policy. Particular attention will be directed toward the problem of poverty, the meaning of welfare and its consequences for the individual and society. Lecture, seminar weekly.

M.P. Seeley

Sociology – Politics 370

Political sociology: (See *Politics 370*).

Sociology – Psychology 371

Social Psychology. (See *Psychology 371*.)

Sociology 382a

Population and cities: An introduction to the study of population dynamics in Canadian context, and in comparative perspective. Problems of over-population, urban decay, and alternative growth patterns will be discussed. Lecture, seminar weekly.

D. Hook-Czarnocki

Sociology 385

Comparative social structures: An overview of the broad developments of forms of social organization and major structural transformations in human history. This will be followed by more detailed attention to the comparative analysis of the transformations accompanying industrialization. Lectures, seminar weekly.

D. Hook-Czarnocki

Sociology 386

Canadian social structures: A sociological examination of the basic continuities, conflicts and changes in Canada. An attempt will be made to situate Canada concretely in a world context, as well as to analyze particular trends within a broader Canadian framework. Lectures weekly, seminar bi-weekly.

R.T. Bowles and R.A. Lockhart

Sociology 387a

Sociology of law: An examination of the structure and functioning of legal institutions in Canadian society and an analysis of the Canadian legal profession. The main foci of the course will be the role of the legal profession in the allocation and implementation of power, and the law as a vehicle for social change. Weekly seminars.

J.C. McDonald

Sociology 388b

Selected topics in Canadian society: This course is intended to provide an opportunity for students to analyze in depth one of Canada's continuing social structural problems such as English-French relations, access to community services such as health and so on. Weekly seminars. (Not offered in 1973-74.)

R.F. White

Sociology 389b

Canadian labour force: This course will explore the development of the social division of labour in Canada, and aspects of its contemporary dynamic. Themes will include an examination of changes in the occupational mix, sex, age, and regional distributions, educational content, inter-sectoral relations (primary, secondary and tertiary, public and private), participation rates and unemployment, and the implication of these shifts for government policy and the (self) organizations of the work-force in Canada.

R.A. Lockhart and A.L. Wernick

Sociology 390

Reading Course.

Sociology 410

Honours seminar: A reading course and discussion seminar to supervise the work of honours students in selected areas of sociological analysis. Students in this course will be responsible for a major research paper. Fortnightly seminars.

Sociology 422

Research practicum: This course will provide the student with direct research experience on a research project directed by a faculty member and will include research design, data collection, and various analytical approaches. Open to third and fourth-year students. Prerequisite: permission of instructor.

Sociology 490

Reading Course.



Trent University (in Peterborough)

Rubidge Hall Complex

- 1 Rubidge Hall
- 2 North House
- 3 Jung House
- 4 Monture House

Catharine Parr Traill College

- 5 Langton House
- 6 Wallis Hall
- 7 Scott House
- 8 Stewart House
- 9 Kerr House

Peter Robinson College

- 10 College House
- 11 Reade House
- 12 Denne House
- 13 East Lodge
- 14 Stratton House
- 15 Abbott House

University Map (Nassau Campus)

City Landmarks

- 16 City Hall
- 17 Police Station
- 18 Town Clock
- 19 Post Office
- 20 Bus Station
- 21 CPR Station
- 22 Centennial Water Fountain

University Landmarks

- 1 Champlain College
- 2 Lady Eaton College
- 3 Library
- 4 Science Complex
- 5 Otonabee College
- 6 Archaeological Museum
- 7 Mackenzie Gallery
- 8 Biology Building
- 9 The Commoner

