
TRENT UNIVERSITY



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The Thirty-Second Academic Year

1995-96

TRENT UNIVERSITY CALENDAR



Nunc cognosco ex parte

Mission statement

Trent University aspires to be Canada's outstanding small university known for its commitment to liberal undergraduate education in the humanities, social sciences and natural sciences and to the centrality of the individual student. Within a collegial setting the University offers undergraduate and graduate programs, both traditional and inter-disciplinary, which seek to advance learning through the creative interaction of teaching and research of the highest quality.

Peterborough, Ontario, Canada.

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Statement of Goals

1. To create a teaching, learning, research and living environment fundamentally committed to the promotion of free inquiry and expression.
2. To offer a distinctive, excellent and continually evolving teaching program that responds to the needs of an increasingly diverse full and part-time student body.
3. To provide educational programs which encourage students to think critically, creatively, constructively and to communicate their ideas effectively, as well as instilling a curiosity that engenders lifelong learning.
4. To sustain and enhance opportunities for research and scholarly activity of the highest standard.
5. To recognize and take advantage of our relatively small size, flexibility and experience to foster continually opportunities for creative interaction between academic departments and programs, teaching and research, colleges and academic activities and among our faculty, staff and students.
6. To develop, in the pursuit of the advancement of learning, mutually beneficial partnerships and linkages with universities, colleges, schools and other public and private sector institutions and organizations, including our alumni.
7. To encourage intellectual and cultural sensibility, adaptability, leadership, mutual respect, an ethical conscience, global (or international) perspectives and environmental sensitivity among all members of the Trent community.

Institutional Goals

1. Recruit and retain students from within and beyond Canada who will benefit from Trent's programs and who will contribute to university life.
2. Provide an appropriate range and sequence of undergraduate courses and programs in the Humanities, Social Sciences, Natural Sciences and interdisciplinary fields to ensure a truly liberal education rooted in a strong institutional commitment to undergraduate teaching.
3. Develop new opportunities for small group teaching and individualized learning.
4. Create and sustain a range of interdisciplinary graduate programs that will reinforce the goal of liberal education, have linkages with our undergraduate departments and programs and provide all faculty with graduate teaching and research opportunities.
5. Employ and retain excellent faculty who contribute actively to the advancement of learning through teaching, research, service and professional development.
6. Employ and retain excellent academic and administrative support staff and ensure adequate opportunities for their professional development.
7. Create and sustain an environment (intellectual, physical, fiscal and social) that advances learning through quality teaching and research while encouraging respect, tolerance and sensitivity.

Important Notice

The contents of this Calendar are not necessarily final and complete. Changes may occur in a number of areas including:

1. new faculty appointments or departures;
2. courses, including withdrawal of courses listed as being offered;
3. policies and procedures related to applications, admissions, and registration for new and returning students;
4. regulations;
5. fee structure;
6. the University Diary.

The University reserves the right to make and implement changes subsequent to the publication of this Calendar, as it deems appropriate.

It is the responsibility of all students to familiarize themselves with the specific requirements for the degree or diploma which they seek. While advice and counselling is readily available, it is the students' responsibility to ensure that the courses in which they register are appropriate and sufficient to the program requirements. Students are bound by the regulations and policies of the University.

No liability shall be incurred by Trent University for loss or damage suffered or incurred by any student or third party as a result of delays, suspension or termination of services, courses or classes, or other academic activities by reason of natural disasters, civil unrest or disobedience, labour disputes, work stoppages, strikes, lockouts, financial exigency, restrictive laws or governmental regulations, inability to procure materials or trades, weather, utility interruptions, damage to University property, or other happenings or occurrences beyond the reasonable control of Trent University.

Notes

Every member of Trent University – faculty, staff or student – has a right to freedom from discrimination in the University by another faculty, staff or student member because of race, ancestry, place of origin, colour, ethnic origin, citizenship, creed, sex, sexual orientation, age, record of offences, marital status, family status, or handicap.

Trent University recognizes its responsibility to those of its students, faculty and staff with special needs. It undertakes to ensure access to its academic programs and physical facilities, short of undue hardship, while protecting the academic integrity of the University.

Trent University is working towards becoming a smoke-free institution. Smoking is prohibited in most public areas including classrooms, but it is permitted in certain designated areas and in student study-bedrooms.

The Trent University Calendar is produced for the Office of the Provost and Dean of Arts and Science by the Communications Office.

Tours or visits to the University can be arranged by contacting the Registrar's Office, Trent University, Peterborough, Ontario K9J 7B8. (705) 748-1332.

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Readers are advised that changes may occur to the dates contained in the University Diary. Students will be notified if significant changes occur, and alterations in dates will be published in the Supplement to the Calendar in August.

Summer Session 1995

(For Summer session deadline dates see chart.)

May	12	Friday	Final date for receipt of grades for incompletes and Letter of Permission courses for those planning to convocate in the Spring
	16	Tuesday	Meeting of the Senate
	22	Monday	Statutory holiday: "Victoria Day"
June	1	Thursday	Final date for payment of deposit against residence fees by returning students
			Meeting of the Board of Governors
	2	Friday	Convocation
	15	Thursday	Final date to request Summer session Letters of Permission
			Final date for receipt of applications and supporting documentation for full-time admission to Trent University
	30	Friday	Final date for receipt of grades for Incompletes from the Fall/Winter session
July	1	Saturday	Statutory holiday: "Canada Day"
	3	Monday	University is closed
	15	Saturday	Final date for appeals of full and b half courses
			Final date for receipt of appeals against academic penalties
August	7	Monday	Statutory holiday: "Civic Holiday"
	11	Friday	Final date to request Fall/Winter session Letters of Permission
			Final date for receipt of applications, registration forms and supporting documentation from new and re-admit part-time applicants for admission to the University
	15	Tuesday	First instalment of fees is due for all students
			Deadline for Official Registration for continuing students

Fall/Winter Session 1995-96

Fall Term 1995

September	4	Monday	Statutory holiday: "Labour Day"
			Arrival of new students
	5	Tuesday	Introductory Seminar Week begins
	8	Friday	Registration for new full-time students
			Final date for new full-time student registration, without late fee
			Final date for receipt of Application for Degree/Diploma Assessment for Fall eligibility
	10	Sunday	Arrival of returning students
	11	Monday	Classes begin
			Beginning of formal course change period using Official Change Form
	15	Friday	Final date for full-time re-admit and transfer students to register, without late fee
			Faculty Board meeting
	19	Tuesday	Meeting of the Senate
	25	Monday	Final date for rebate on college fees for transfers from full- to part-time status
	29	Friday	Final date for registration, with late fee

			Final date to change or add full and <i>a</i> half courses, without late fee
			Final date for receipt of grades for incompletes and Letter of Permission courses from Summer session
			Final date for students to notify the Registrar's Office of their wish to observe their cultural or religious holidays during scheduled examination periods
			Meeting of the Board of Governors
October	30	Saturday	Final date for Summer session appeals
	9	Monday	Statutory holiday: "Thanksgiving Day"
	13	Friday	Faculty Board meeting
	17	Tuesday	Meeting of the Senate
	21	Saturday	Classes end
	23	Monday	Residential reading and laboratory week begins
	27	Friday	Meeting of the Board of Governors
	30	Monday	Classes resume
			Final date to change or add full and <i>a</i> half courses, with late fee
November	10	Friday	Final date for withdrawal from <i>a</i> half courses without academic penalty
			Faculty Board meeting
	14	Tuesday	Meeting of the Senate
	24	Friday	Meeting of the Board of Governors
			Final date to request Letters of Permission for courses beginning January, 1995
December	1	Friday	Final date for receipt of applications, registration forms and supporting documentation from new and re-admit part-time applicants for admission to the University for <i>b</i> half courses
	8	Friday	Faculty Board meeting
	9	Saturday	Last day of classes
	11	Monday	Scheduled mid-term test and <i>a</i> half course final examination period begins
	12	Tuesday	Meeting of the Senate
	16	Saturday	Mid-term test and <i>a</i> half course final examination period ends, 10:30 p.m.
	17	Sunday	Winter vacation and reading period begins
			College residences close
	25	Monday	Statutory holiday: "Christmas Day"
	26	Tuesday	Statutory holiday: "Boxing Day"

Winter Term 1996

January	1	Monday	Statutory holiday: "New Year's Day"
	7	Sunday	College residences open
	8	Monday	Classes resume
	15	Monday	Second instalment of fees is due
			Final date for payment of outstanding bookstore and other accounts
	19	Friday	Faculty Board meeting
	23	Tuesday	Meeting of the Senate
	26	Friday	Meeting of the Board of Governors
			Final date to change or add <i>b</i> half courses
	31	Wednesday	Final date for receipt of Application for Degree/Diploma Assessment for Spring Convocation
February	9	Friday	Faculty Board meeting
	13	Tuesday	Meeting of the Senate
			Final date for withdrawal from full Fall/Winter session courses without academic penalty

	17	Saturday	Classes end
	19	Monday	Residential reading and laboratory week begins
	23	Friday	Meeting of the Board of Governors
March	26	Monday	Classes resume
	8	Friday	Final date for withdrawal from <i>b</i> half courses without academic penalty Faculty Board meeting
	12	Tuesday	Meeting of the Senate
	15	Friday	Final date for appeals for <i>a</i> half courses Final date for application for transfer between colleges for students seeking residence
	29	Friday	Meeting of the Board of Governors Faculty Board meeting
April	4	Thursday	Final date for full-time and part-time continuing students to early register, without late fee Application deadline to transfer from part-time to full-time studies
	5	Friday	Statutory holiday: "Good Friday"
	6	Saturday	Classes end
	9	Tuesday	Meeting of the Senate
	11	Thursday	Examinations begin for <i>b</i> half and full courses
	26	Friday	Meeting of the Board of Governors
	27	Saturday	Examinations end for <i>b</i> half and full courses, 10:30 p.m. Final date for non-resident students to apply for residence Final date for application for transfer between colleges for students not seeking residence

Summer Session 1996

(For Summer Session Deadline Dates See Chart)

May	10	Friday	Final date for receipt of grades for incompletes and Letter of Permission courses for those planning to convocate in the Spring
	14	Tuesday	Meeting of the Senate
	20	Monday	Statutory holiday: "Victoria Day"
	30	Thursday	Meeting of the Board of Governors
	31	Friday	Convocation
June	1	Saturday	Final date for payment of deposit against residence fees by returning students
	15	Saturday	Final date to request Summer session Letters of Permission Final date for receipt of applications and supporting documentation for full-time admission to Trent University
	28	Friday	Final date for receipt of grades for incompletes from the Fall/Winter session
July	1	Monday	Statutory holiday: "Canada Day"
	15	Monday	Final date for appeals of full and <i>b</i> half courses Final date for receipt of appeals against academic penalties
August	5	Monday	Statutory holiday: "Civic Holiday"
	9	Friday	Final date to request Fall/Winter session Letters of Permission Final date for receipt of applications, registration forms and supporting documentation from new and re-admit part-time applicants for admission to the University
	15	Thursday	First instalment of fees is due for all students Deadline for Official Registration for continuing students

Summer Session Dates 1995

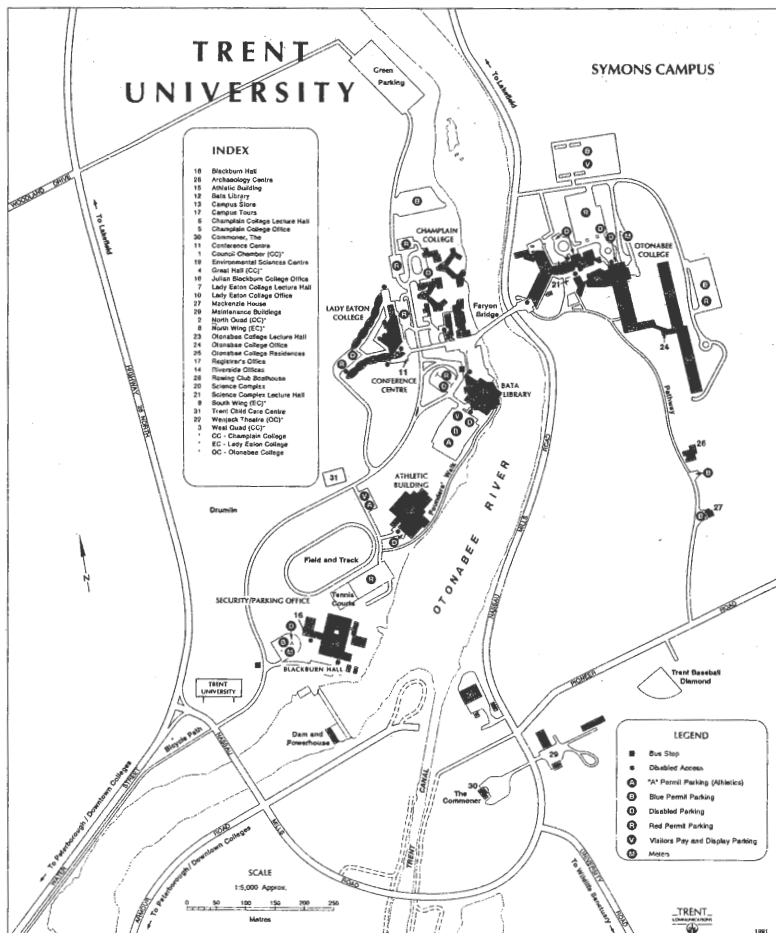
	8 week term	12 week term	6 week term
Final date for receipt of applications for admission or re-admission with supporting documentation	April 14	April 14	June 12
Final date to register without late fee	April 24	April 24	June 26
Classes begin	May 1	May 1	July 4
Final date to register with late fee. Final date to add courses	May 15	May 15	July 10
Final date for withdrawal	May 31	June 15	July 27
Classes end	June 26	July 26	August 15
Examination period begins*	June 27	July 25	August 16

* Students are advised to consult the course description for the exact date of their final examination.

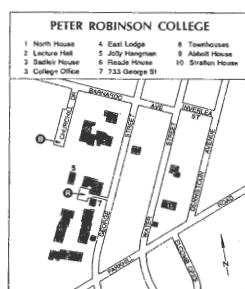
Summer Session Dates 1996

	8 week term	12 week term	6 week term
Final date for receipt of applications for admission or re-admission with supporting documentation	April 12	April 12	June 10
Final date to register without late fee	April 22	April 22	June 24
Classes begin	April 29	April 29	July 2
Final date to register, with late fee. Final date to add courses	May 13	May 13	July 8
Final date for withdrawal	May 29	June 12	July 24
Classes end	June 24	July 29	August 13
Examination period begins*	June 25	July 23	August 14

* Students are advised to consult the course description for the exact date of their final examination.



Lady Eaton College, Conference Centre
 Lady Eaton College, Principals Lodge
 Lady Eaton College, South end of Quad
 Lady Eaton College, North end of Quad
 North of Lady Eaton & Champlain "H" Lot
 Lady Eaton College, Pub Entrance, "H" Lot
 Champlain College, Centre of Quad
 Champlain College, Kitchen
 Lady Eaton College, Podium Level
 Champlain College & Book Library, Podium Level
 Environmental Sciences Centre, Podium Level
 Champlain College, Porters Office Entrance
 Archaeology Building
 Otonabee College, Residence, Link Entrance
 Otonabee College, Wreckshop Theatre
 Book Library, Bus Stop
 Blackburn Hall
 Athletic Complex
 Science Complex, Snack Bar Podium
 Peter Robinson College, Settles House, Quad
 Peter Robinson College, Townhouses
 Peter Robinson College, Stratton House, Water St.
 Catharine Parr Trail, Wills Hall, North Side
 Catharine Parr Trail, Crawford House, Quad



General Information

History

Trent University stresses the importance of a liberal undergraduate education, which it looks upon as an education for the intelligent and informed 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 fields of interest intensively in close association with academic seniors.

Trent is one of the smallest and 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 thirty-second teaching year, the University has about 3,750 undergraduates in the full-time program, and about 2,800 in both the part-time winter and summer school programs. In addition, there are about 150 Master's degree candidates in the five fields in which graduate studies are offered. A doctoral program in Watershed Ecosystem Studies was introduced in 1994.

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 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. In 1967, the late Leslie M. Frost, former Prime Minister of Ontario, was elected first Chancellor of the University. The University was elected to full membership in the Association of Universities and Colleges of Canada in 1968.

Trent opened with two residential colleges and a teaching and administrative

complex in the heart of Peterborough. GE Canada donated the core of what is now the 1,400-acre Symons 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, the late Ronald J. Thom, a long-range plan was developed and a program of construction undertaken which, while retaining facilities developed in the city, provides for the main development of the University on the Symons Campus. There are now three residential colleges, the main library, two science buildings, a child care facility and central administrative offices, along with recreational facilities including an athletic and recreation building, playing fields, an all-weather track and tennis courts on the Symons Campus. The University's first two colleges remain in their original downtown locations, linked to the Symons Campus by the city bus system. In addition to the five coeducational colleges, part-time study is offered through the Julian Blackburn College for continuing education.

Trent's master plan was devised on the twin foundations of the residential college and small-group teaching. The college 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 other 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.

In the section on Programs 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 cover prescribed material. Lectures are normally open to anyone.

At registration each student is assigned to an academic adviser or counsellor who is responsible for assisting with course selection and reviewing the student's progress at regular intervals. Ultimate responsibility for course selection must rest with the student. The tutorial and seminar system demands that a student distribute the work evenly throughout the academic year. The academic year is divided in two terms with a long recess in December, and one-week reading and laboratory recesses in late October and late February.

Peter Robinson College

Master

Theresa Topic, PH.D.

Senior Tutor

John Topic, PH.D.

Senior Don

Manuela Lefranc

College Administrator

Jan Fialkowski, B.F.A.

Honorary Director of Music

P. MacKinnon

Peter Robinson College, named after one of the founders of Peterborough, was the first college to open in 1964 and the first to become coeducational in 1967. One of the two city colleges, it is located in converted older houses and new buildings which incorporate residence and academic areas. Saddleir House, the focus of college life, is a striking old Peterborough home which has been redesigned so as to integrate the features of the original architecture with the newer additions. Its location in Peterborough's north end and its size (Trent's smallest college) make

Peter Robinson particularly appealing to those students who are interested in an intimate university milieu which is not isolated from the city community.

Besides providing a strong base for traditional academic disciplines such as History, the college encourages interdisciplinary co-operation and is the home base for the Cultural Studies Program on the undergraduate level and two M.A. programs: the Frost Centre for Canadian Heritage and Development Studies and the Methodologies Program for the Study of Western History and Culture. The college strongly supports the arts in all its forms, and has an active program of visiting scholars, artists, broadcasters, musicians and cultural theorists. (Trent Radio is at the nearest corner.) The dining hall in Saddleir House, originally the hayloft for the stables, is the scene of a variety of theatre and music events.

Peter Robinson has always emphasized the need for student involvement in wider social issues in the community and abroad. The college provides a supportive environment for activities concerned with human rights, international, aboriginal and environmental issues. The offices of the Ontario Public Interest Research Group, the Trent Institute for the Study of Popular Culture and the Vanier Professor Emeritus are located at the college.

Peter Robinson is the only college that has both conventional residential accommodation and single rooms in townhouses where each student has a study-bedroom and shares kitchen and living and dining room facilities with three or five others. College facilities include an 11,000-volume library, five pianos, a computer room, a darkroom, a recreation area with squash court and sauna, and a croquet lawn.

Catharine Parr Traill College

Principal

Heather Avery, M.A.

Senior Tutor

C.M. Greene, A.M., PH.D.

Senior Don

To be named.

College Administrator

Lynn Neufeld, B.Sc.

Named in honour of the noted author, botanist and pioneer settler of the Peterborough area, Catharine Parr Traill College is one of the founding colleges of Trent University. An integral part of the academic and social life of Trent University as a whole, Traill College is also a self-contained and active community, beautifully situated on a drumlin overlooking central Peterborough.

For those who wish to be involved both with the University and the local community, Traill College is an attractive home. Regular and frequent bus service connects the college with the Symons Campus, while its central location gives easy access to the University Bookstore, the Peterborough Public Library, art galleries, movie theatres, live concerts, churches, restaurants and pubs.

The college consists of a number of old houses of architectural and historic significance, and one relatively modern building, Wallis Hall. These buildings together provide residence accommodation for 214 students, several apartments for faculty and staff who live in the college as residential dons, and a lodge for the College Principal. Teaching offices, seminar rooms, a lecture hall and the Academic Skills Centre are also housed in the various college buildings. Only Kerr House, however, is devoted solely to academic space. It houses the college library, several study rooms including the Alan Wilson Reading Room for Canadian Studies, and a well-equipped microcomputer lab. The excellent facilities and quiet atmosphere make Kerr House a comfortable working environment for many resident and non-resident students.

In addition to being the base for the academic Departments of English, Classical Studies, Canadian Studies and Philosophy, Traill also has faculty members from most disciplines in the arts and sciences. It is thus an active centre for teaching and learning, not only for resident students, but also for Trent's large number of non-resident students, many of whom live in the neighbourhoods surrounding the College.

All Traill students are invited to participate in the Traill College Seminars, weekly writing and discussion groups that allow students to explore ideas and issues of concern to them. The intellectual life of the college is supplemented as well by an active visitors program organized by students and faculty, which gives members of the college the opportunity to

meet informally with writers, artists, professionals, politicians, musicians and scholars. Past guests have included criminal lawyer Clayton Ruby and Canadian novelist W.O. Mitchell.

The college's proximity to downtown Peterborough has also permitted Traill students to be actively involved in community cultural organizations such as the Peterborough Symphony Orchestra and the Union Theatre, and in organizations working for social change, such as the Kavartha World Issues Centre and Amnesty International. Traill College is also the home of a very active Peer AIDS Education Program.

Active, responsible student involvement has always been a feature of the college's life. Traill students have assumed leadership roles in the University Senate and the Trent Student Union, and true to the college's character, have even campaigned in local politics. The College Cabinet plays an important part in organizing academic and social activities for residents and non-residents alike. Facilities at their disposal include the college dining room (which is also used for movies, dances or concerts), The Trend (the student-run snack bar and pub) and various common rooms and lounges. The college also has a music room, crafts room, darkroom, exercise room, sauna, and outdoor tennis court, frequently used for ball hockey. Ice hockey is popular as well, and each year the college alumni return to Traill for its alumni hockey tournament.

Champlain College

Master

S.W. Brown, M.A., PH.D., F.S.A.

Distinguished Teaching Fellow

Iswar Chakravarty, B.SC. (HONS), M.SC., PH.D.

Senior Tutor

To be named.

Senior Don

Jeff Macnab, B.A., B.ED.

College Administrator

Marian O'Brien

Champlain College, whose name honours the great explorer and founder of New France, lies on the banks of the Otonabee River near the heart of the Symons Campus. The college is widely acclaimed

for its beauty. It provides an appropriate setting for the casual and formal activities of college life.

The centre of the college is the impressive Great Hall and its adjacent common rooms. The two residential quads are divided into staircases with five single study-bedrooms clustered on each floor. Although the residence is co-educational, one section is reserved as women's residence. Tutorial offices for faculty fellows, dons' residences and seminar rooms are interspersed throughout the college. Non-residents share with residents the use of the common rooms, the squash court, music practice room, the Ceilie (a licensed pub and games room run by students that operates daily and hosts regular evening special functions) and Junior Common Room, Reading Carrels and the Morton Reading Room.

To the north, beyond the Master's Lodge, the playing field is suitable for a pick-up game of soccer, football, hockey, softball or frisbee.

The academic life of the college includes Champlain's Society (for guest speakers), the Scholars' Dinners and special lecture series. The student Cabinet, elected annually by the Champlain student body, organizes many social and cultural activities to supplement the regular curriculum, in particular, Harvest Weekend in the fall term and Bon Temps in the winter term. In co-operation with the faculty College Council, the Cabinet also shares in decisions affecting the administration of the college. Members of Champlain College have enjoyed a long tradition of active participation in University activities: athletic, social and communal. Champlain College is home to the departments of Economics, Comparative Development Studies, and Political Studies. The college also offers annually a series of College Courses, short intensive non-credit explorations of cultural and intellectual topics. Past courses have included East Indian Culture and Heritage, Children's Literature, Celtic Studies, and the Culture of the Child.

Lady Eaton College

Principal

Paul T. Zeleza, B.A., M.A., PH.D.

Senior Tutor

Jacqueline Muldoon, B.SC., M.A., PH.D.

Senior Don

Helen Wallis

College Administrator

Judy Grasmuck

Lady Eaton College is the fourth college within the University and the second college on the Symons Campus. Named in honour of Flora McCrea Eaton, a native of Omeme and one of the original sponsors of the University, the college provides facilities designed to encourage academic and social interchange for a community of students and fellows in an international atmosphere.

Situated against a drumlin, the residential wings and Commons Block enclose a pleasant quadrangle. One-third of the south wing of the college building is reserved as a women's residence while the remainder of the south wing and the entire north wing house both men and women. In total there are 214 single study-bedrooms, one apartment reserved for upper-year students and 12 double study-bedrooms. On the first floor of the residence wings are the Principal's Lodge and six apartments for faculty and staff of the University who live in the college as residential dons. There are also offices for many of the fellows of Lady Eaton College as well as the departmental offices of Women's Studies, Mathematics, and Modern Languages (French, Spanish, German) and the offices of the Trent International Program and those of the Provost and Dean of Arts and Science. Teaching takes place in these offices as well as in the college's seminar rooms and lecture hall.

Non-resident members of the college living at home or in lodgings in Peterborough are full members of the college and are encouraged to participate in college activities and to use the T.V. room, the music practice room, the Junior Common Room, the student-run coffee shop (The Magpie), Crawpadies, and other facilities. The dining hall, a spacious and colourful room with small tables, has a warm and friendly atmosphere. It is also used for dances, concerts, and other

special events. Extensive grass fields, ideal for a variety of pick-up sports, surround the college. The Athletic Complex and University Library are close by across the main driveway.

Art exhibitions are occasionally held in the college. They complement the permanent collection of the college, which includes Inuit sculptures, a gift from Lady Eaton.

A very active student government organizes and sponsors many college events in which students and faculty participate. These include intramural sports, in which most students take part, a varied social program including regular events sponsored by Cabinet; The Drumline, a student publication and the Lady Eaton College section in the Trent Annual (yearbook).

Language tables organized by the Department of Modern Languages and Literatures hold informal weekly meetings in the college during meal times. Each year the College Visitors Program brings scholars, writers, performers, and public servants to the college to meet students and fellows and to present seminars and lectures. There are, in addition, regular open college symposia given by fellows of the college and guests on topics of special interest. The college has annually hosted a writer-in-residence program through which an eminent Canadian writer is available for one week of discussions, consultations and readings.

Otonabee College

Head of College

Robert (Bob) Annett, B.Sc., Ph.D.

Senior Tutor

Morgan Tamplin, M.A., Ph.D.

Senior Dons

Bubba Loughheed and Jeff Lanctot

College Administrator

Pat Gage

The college's distinctive red-roofed buildings range along a cedar ridge overlooking the river from which the college derives its name (Ojibwa for "fast water"). To the east, an uninterrupted vista of rolling rural landscapes; to the west, the Faryon pedestrian bridge, providing easy

access to the Bata Library, the Athletic Complex and the other Symons Campus colleges.

Eight "houses" plus four resident dons' apartments and the residence of the Head of College, all of them connected by an interior walkway called "the Street", make up Otonabee's residence. Except for one women-only house, the residence is coeducational. Each house contains single and double study-bedrooms, laundry facilities, a kitchenette and a commons area. Adjacent to the residence is the College Office where the College Head, College Secretary, College Assistant and Senior Tutor have their offices. Past "the Link", a set of faculty offices, are located the Junior Common Room, the Senior Common Room, the Private Dining Room for smaller gatherings, and the main Dining Hall.

The academic wing of the college, directly connected to the Science Complex and the Environmental Sciences Centre, houses laboratories for Anthropology and Psychology; a Sociology resource area; the Native Studies lounge; several seminar rooms; teaching offices representing many of the disciplines in arts and sciences; and the Wenjack Theatre, which accommodates regular film-shows as well as theatrical productions by amateur and professional companies. Nearby are the Archaeology Centre, Mackenzie House and a wildlife sanctuary with walks and ski trails.

Students at Otonabee play a major role in organizing and conducting cultural, social and athletic activities. The Otonabee College Council, comprising student, staff and faculty representatives, has a student President; the Head of College chairs its Executive Committee. The Council, through its committees, sponsors a variety of events for its non-resident and resident members: visiting authors, artists, musicians, scientists; annual interhouse debating for the George Bernard Shaw award; college dinners and dances, a College Winter Weekend; the inter-house Olympics, and intramural co-educational competition in such sports as soccer, softball, volleyball and hockey. Members of the college also participate in the wider social, cultural and athletic activities of the University and the city of Peterborough, including various forms of community service.

Julian Blackburn College for Continuing Education

Associate Dean and Principal
John Syrett, Ph.D.

*Academic Counsellor and Assistant
to the Principal*
Jacqueline Tinson, M.A.

Administrative Assistant
Tui Menzies, M.A.

Administrative Secretary
Carol Tomlin

Trent University's continuing education program was established in the early days of the University. Julian Blackburn College is named in honour of the late Professor Julian Blackburn, a key adviser in the founding of Trent with a deep commitment to continuing education.

The continuing education program at Trent makes available the University's academic program to those students who wish, for a variety of reasons, to take university credit courses either through part-time studies in Peterborough or part-time or full-time studies in Oshawa. In support of this aim, Trent maintains a flexible admissions policy, putting a high value on the applicant's maturity and motivation, an advantage to prospective students with varying educational backgrounds. Once admitted to the University, part-time students are free to enrol in any Trent course, on- or off-campus, provided they have the prerequisites for the course.

The Julian Blackburn College office is located in Blackburn Hall, the first building on the main campus. For the convenience of part-time students, especially those who prefer evening classes or the Oshawa location, Julian Blackburn College produces brochures for each academic session detailing on- and off-campus courses. These may be obtained directly from the college by calling (705) 748-1229.

Trent in Oshawa

The University's largest permanent off-campus centre is in Oshawa, through which it also serves neighbouring communities including Newcastle, Bowmanville, Whitby, Ajax and Pickering. Ontario's smallest university serves the largest population centre in the province without a university. Trent offers many credit courses each year in the

Fall/Winter and Summer sessions, which lead to General B.A. or B.Sc. degrees in Anthropology, Cultural Studies, Economics, English Literature, History, Politics, Psychology and Sociology for students who study in Oshawa only, and to General and Honours B.A. and B.Sc. degrees in a number of other disciplines for students who can supplement their Oshawa courses with Winter evening or Summer courses taken on the main Trent campus. All Trent courses in Oshawa are taught at Durham College and all are outlined in the *Part-time Studies Summer and Fall/Winter Session Brochures*.

Fall/Winter On-Campus Late Afternoon and Evening Program

Every Fall/Winter session a number of the University's regular courses are scheduled either in the 4:30 to 6:30 p.m. late afternoon or in the 7 to 10 p.m. evening periods. The courses to be offered in late afternoon or evening hours in the coming Fall/Winter session are described in the *Part-time Studies Fall/Winter Session Brochure* which is published annually in June.

Fall/Winter Off-Campus Evening Program

Every Fall/Winter session the University offers courses at off-campus locations, the majority of these at Trent's primary off-campus centre in Oshawa. Details of these courses and any others which may be offered in other off-campus location are given in the *Part-time Studies Fall/Winter Session Brochure* mentioned above.

Spring Program

A Spring program of introductory-level courses is offered over a twelve-week period from late January to late April. Courses are offered in both Peterborough and Oshawa.

Summer On-Campus Program

The Summer session is divided into three parts: a twelve-week term in which courses are taught twice a week from early May to late July, an eight-week term in which courses are taught three times a week from early May to late June, and a six-week term in which courses are taught four times a week from early July to mid-August. Details of the courses to be offered in the coming Summer session are available in the *Part-time Studies Summer Session Brochure* which is published annually in February.

Summer Off-Campus Program

The majority of Trent's off-campus summer courses are offered in Oshawa and fall into the same twelve-week, eight-week or six-week terms as on-campus summer courses. However, each summer the University offers a number of other courses at particular times or in special places: archaeology field schools in the Arctic or in Central or South America; Geography field courses in the Rockies; Anthropology and Comparative Development Studies courses in South America. Details of all these courses are given annually in the *Part-time Studies Summer Session Brochure*.

Non-Degree Credit Courses

In addition to these credit courses leading to General or Honours degrees in Arts or Science, or to the degree of Bachelor of Administrative Studies, the college also provides non-degree business courses which are accepted by various business organizations as part of their professional certificate programs. These are offered, currently, in the Fall/Winter session only.

Julian Blackburn College Students' Association

Part-time students have an active Students' Association which represents them on Senate and a variety of other University committees. All part-time students are automatically members of this association. Further information may be obtained by contacting the Association at 748-1380.

Further information is available from Julian Blackburn College at (705) 748-1229. JBC provides a year-round counselling and information service for Oshawa area students at (905) 723-9747. During registration periods, the Oshawa Information Office accepts applications as a further service to Durham Region students. Written enquiries should be addressed to Julian Blackburn College, Trent University, Peterborough, Ontario K9J 7B8.

Library

University Librarian

M.W. Genoe, M.A., M.L.S., M.PHIL., M.P.A.

Access Services Librarian, To be named; *University Archivist*, B. Dodge, M.A., ED.D.; *Collections Development Librarian*, A. McCalla, B.A., M.L.S. (on leave 1995-96), J.A. Wiseman, M.PHIL., PH.D., F.L.A.; *Government Publications and Maps Librarian*, B. Znamirowski, B.A., M.L.S.; *Information Services Librarian*, To be named; *Monographs (Acquisitions and Catalogue) Librarian*, M. Scigliano, M.L.S., M.A.; *Catalogue Librarian*, To be named; *Serials, Microforms, and Photoreproduction Services Librarian*, K. Field, B.MUS.ED., M.L.S. (on leave 1995-96), J. Millard, B.A., M.L.S.; *Systems Librarian*, To be named.

The University's Thomas J. Bata Library is adjacent to the University Court and is the focal point of the Symons Campus. Bright, spacious and air-conditioned, it provides ideal study and research facilities for all student and staff requirements. The building also houses a number of administrative offices.

An automated library system, the Trent University Online Public Access Catalogue (TOPCAT), is a valuable resource serving the growing needs of all those using the library facilities available at Trent University. The town colleges, Durham College in Oshawa, Sir Sandford Fleming College and Peterborough Public Library are all connected to and/or accessible from Bata Library.

The library contains a collection of more than 469,796 volumes, 262,512 microforms, 2,528 serials subscriptions, 101,246 maps and air photos, and 192,490 government documents. Nearly all the material is available on open shelves and all members of the University are free to browse through the entire collection. The library also subscribes to a number of indexing and abstracting services in CD-ROM format. The following are currently available: Canadian Business and Current Affairs, Life Sciences, ERIC, Aquatic Science and Fisheries, Chemistry Citation Index, MLA Bibliography, Bibliography of Native North Americans, and OCAAT College Libraries. 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 additions as the G.M. Douglas Arctic Collection, the Shell Canada Fund for Canadian literature, the Floyd Chalmers Collection of Canadian Explorations and the A.J.M. Smith Collection of Canadian poetry and literature. Other specialized collections include the Holm Collection of Children's Literature, the Ernest Thompson Seton Collection, the Robert L. Hunter Canadiana Collection, the Trevor Lloyd Collection, and the Walter A. Kenyon Collection. Transcripts of the Royal Commission on the Economic Union and Development Prospects for Canada (MacDonald Commission) and the transcripts of the Mackenzie Valley Pipeline Inquiry are also valuable resources. The Feinberg Collection of Whitman and Twain material is on permanent loan from the Peterborough Public Library.

The Trent University Archives preserves non-current records of Trent University and historical records of the Trent Valley area. There are over 2,500 cubic feet of textual records – private, family, business and institutional papers – as well as 15,000 photographs, maps and other graphic items. Holdings are particularly strong in literary records, native studies records, World War I materials and business papers. There are several collections which provide primary research materials relating to women's studies. Most of the collection is unrestricted to researchers and provides excellent support for many academic programs at Trent University.

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 while the Messecar Foundation has provided direct support for Canadian studies. Additional support has been provided to build the Japan Foundation Collection.

The Government Publications and Maps Department is a major resource for all students. The Department serves as a

regional depository for several governments including the federal government of Canada, provincial government of Ontario and the United States Geological Survey. The department offers a growing collection of electronic information including numeric databases, textual databases, electronic map and mapping software. Other important collections include parliamentary and legislative papers; statutes and regulations and other Canadian legal tools; first ministers conference papers; royal commission reports and transcripts; an extensive collection of Statistics Canada products including paper products, census disks and the CANSIM database; as well as regional publications. Some important cartographic resources include Canadian and international atlases and gazeteers; topographic maps; thematic maps; Ontario base maps; a travel map collection; as well as maps and aerial photography of the Peterborough/Kawartha region.

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 electronic mail communications and a daily courier service, expedites the delivery of materials between university libraries of Ontario and Quebec.

Alumni Association

Studying at Trent University is an exciting and important time for the student. But it is just one phase in the lifelong relationship that the Alumni Association fosters and encourages.

Trent's alumni/ae remain informed, interested and involved, long after graduation day. The Alumni Association strives to serve Trent and to serve its alumni. There are many ways to remain involved.

Recent graduates help represent the university to high school students; regional alumni honour alumni achievements in their community; university committees and boards benefit from alumni participation; Trent's story is told regularly in the alumni magazine, and Reunion Weekend warmly welcomes our former students back to campus once a year.

Trent's alumni number 15,500 and their success as liberal arts and science graduates is impressive and diverse. They include a nationally recognized executive search consultant, an award-winning physicist, a leading Canadian church-woman, an influential policymaker in Native education, two long serving provincial politicians, a pioneering specialist in Canadian environmental law, an innovative leader in information technology, a leading edge marketing entrepreneur, a doctor committed to international humanitarian causes and several award-winning writers.

The alumni regard for Trent is borne out in many ways. *Maclean's* magazine recently recognized Trent's relatively young alumni body as the second most financially supportive in Canada. And everywhere you turn at Trent, the evidence of alumni philanthropy is visible.

This strong and lasting bond that alumni form for Trent is a telling indicator of the richness of their experiences as students.

Athletic Program

The University offers a comprehensive and diversified athletic and recreational program. The programs range from the more organized inter-university competition to completely informal recreational activities.

Located on the campus are rowing facilities, a full-size floodlit playing field, a 400-metre all-weather track, tennis courts, a gymnasium, a 25-metre pool, squash courts, a weight room and fitness centre, saunas and locker facilities.

Trent University is a full member of the Ontario Women's Intercollegiate Athletic Association, the Ontario Universities' Athletic Association, and the Canadian Interuniversity Athletic Union.

Interuniversity and intramural competition is organized in a wide range of activities which include badminton, basketball, cross-country running, fencing, hockey, rowing, rugby, skiing (nordic), soccer, softball, squash, tennis, touch football, field-hockey, volleyball, swimming, curling, golf and synchronized swimming. In addition, a complete schedule of aquatic programs are offered.

A significant number of student employment opportunities are available which are essential to the running of the facilities and programs.

University Services

Undergraduate Activities

The University has fostered the development of a rich and varied program of social and cultural activities. The early years of the University saw the establishment and lively growth of literary magazines, a radio service, musical activities*, community action programs, and of drama, art, debating and film societies, plus a student newspaper and a full range of other activities. Each of the college governments encourages a wide variety of formal and informal events.

Among the facilities offered by the City of Peterborough to members of the University are a fine public library, an art gallery, a museum, a symphony orchestra, a varied theatrical program, and regular visits by musical and theatrical companies, and outstanding speakers.

*Further information on musical activities is available from the Trent University Music Society, c/o Peter Robinson College.

Student Services

Student Services provide a broad range of programs and services that are designed to support the educational experience of Trent University students. Depending on their needs, students may be assisted by any of the following offices: Counselling Services, Careers and Placement, Student Health Services, Financial Aid, Special Needs Services, Off-Campus Housing. Student Services representatives as well as students themselves sit on a variety of university-wide committees dealing with programs that serve all students at Trent University. These committees include: Committee on Colleges, Health Services Committee, Special Needs Committee, Transportation Committee, Introductory Seminar Committee, Dining Hall Services Committee.

University Bookstore

The University operates a bookstore in the City of Peterborough which is easily reached from the University buses. The bookstore meets the wide range of needs and interests of the students, faculty, staff, and the Peterborough community.

Most 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, academic supporting stock, a wide range of periodicals, computer software and supplies, and books of general interest are made available. The bookstore seeks to create an atmosphere that will encourage the enjoyment of books and building of a private library. There are three "buy backs" held throughout the year.

Textbook returns: New textbooks are returnable when a student drops a course but only with a signed copy of the course drop form and your sales receipt. Books must be unmarked and in mint condition.

Used textbooks and course packs (reprotexs) are not returnable.

Return deadlines are October 13 for full refund and November 10 with a deduction for restocking. See the textbook buyer for complete details for textbook returns.

Campus Store

The Trent University Campus Store is situated in Bata Library opposite the staff parking lot. The store meets the needs of the students living on or off residence, offering them a wide variety of items.

In addition to regular variety store items, the Campus Store has a wide selection of magazines, greeting cards, stationery and school supplies and toiletries. The store also has an extended line of crested ware, including glassware, sweatshirts, hats, t-shirts and the official Trent University jackets. The store is owned and operated by Trent University.

University Student Health Service

Director

Ann Walters, Reg.N.

Telephone: 748-1481

The Student Health Service is located in Blackburn Hall and provides physician, nursing and counselling services for full-time and part-time students. Clinic hours are 9 a.m. to noon and 1:30 to 4:30 p.m. Monday to Friday from September to April. An evening clinic is offered weekly during peak periods. All clinics are by appointment.

The University requires *all* students to carry medical insurance. Any student without insurance is held personally responsible for his/her health care costs.

Students from Canada must submit valid provincial Health Card numbers to the Student Health Service. Students from

Quebec who seek medical treatment will be charged a fee for service which is usually recoverable through their health plan. The Province of Quebec does not participate in a reciprocal billing arrangement. International students must arrange for UHIP coverage prior to admission.

The Student Health Service is closed from May to September.

Students with Special Needs

Coordinator Special Needs

Eunice Lund-Lucas

Telephone: (705) 748-1281;

TDD (705) 748-1482

Within its resources, Trent University endeavours to ensure the accessibility of its campus and programs to all students, including those with special needs. The University has a Special Needs Office, located on the ground floor of the Bata Library building, and a Coordinator for Special Needs, who provides support and advocacy on behalf of students with physical, sensory or learning disabilities. Some of the services provided by this office include transcription services for those who are visually impaired or learning disabled, assistance with obtaining note-takers for hearing-impaired students, exam invigilation services for students with a variety of special needs, and liaison with faculty members and with support agencies in the community. In addition, the Special Needs Office has available some adaptive technological aids such as a computer equipped with voice synthesizer, optical scanning equipment, computers, reading lamps, portable FM systems, four-track tape recorders and hand-held tape recorders.

Special needs students considering attending Trent are strongly encouraged to contact the Coordinator at the time of application since some action may be necessary in advance to accommodate the student's needs. Where appropriate, for example in the case of a learning disability, formal diagnosis and assessment of the condition will be required, normally this would include a report prepared by a registered psychologist within the past two years. In all cases early identification of needs is extremely important.

Students with mobility impairments are strongly urged to visit the campus to determine its suitability to their needs and interests. Most buildings are equipped

with ramps and/or elevators to provide access for persons with mobility difficulties.

Students with special needs are also encouraged to become aware of assistance that is available through various private and public agencies. For example, hearing-impaired students from Ontario may be able to get financial assistance for note-takers or tutors from the Vocational Rehabilitation Service of the Ministry of Community and Social Services or Educational Support Services of the Canadian Hearing Society. Students from other jurisdictions who have special needs should investigate the availability of assistance through such agencies in their home province or country.

Counselling and Careers Centre

Counselling Services

Coordinator

Ada Meecham, M.A.
Telephone: 748-1384

The student Counselling Centre, located in Blackburn Hall, is a resource provided by the University to promote the personal, academic and career development of Trent students.

Many students seek help with specific concerns related to family and peer relationships, self confidence, stress, loneliness, sexuality or academic difficulties. Others bring less clearly defined problems such as low motivation or generalized anxiety, all of which can interfere with concentration and feelings of well-being and belonging. Students also request aid in defining their interests and abilities in order to make decisions about academic choices and career goals.

All counselling sessions are free, voluntary and confidential.

Careers and Placement

Coordinator

Susan Welch
Telephone: 748-1385

The student Careers and Placement Centre, located in Blackburn Hall, provides information on a wide variety of specific careers and employers, colleges or education and graduate and professional schools. It maintains a library

containing up-to-date calendars from other Canadian universities and community colleges as well as books describing work and study abroad programs and government employment programs. Materials concerning resumé writing, job-search techniques and interview skills are also available at the centre.

Full-time, part-time and summer employment opportunities are available through the centre, as is information about companies which plan recruitment activities both on and off the campus.

Office hours are Monday to Friday, 9 a.m. - 12:15 p.m. and 1:15 - 4:00 p.m.

Off-Campus Housing Service

For the period May - September, the University operates a listing service of accommodation available in the community for students requiring off-campus housing.

For further information, contact Janice Fialkowski, the Assistant to the Master, Peter Robinson College, at 748-1745.

Bus Service

A bus service operated by the City of Peterborough connects the Symons Campus with the two town colleges and the bookstore. The compulsory transportation fee paid by full-time students entitles the student to a bus pass which is honoured on all city buses from the Labour Day holiday in September to the Victoria Day holiday in May each year. Please see section on Ancillary Fees, page 21, for information on compulsory transportation fee.

Trent Child Care Centre

Telephone: 743-2811

The Trent Child Care Centre, Incorporated, is a separately incorporated child care facility which provides services in a building on the Symons Campus owned by Trent University. Trent Child Care is open to the community as well as the University, but priority on the waiting list goes to Trent students and persons associated with the University. Early registration is urged.

Computing Services

A wide variety of computing and communications resources are available to members of the Trent academic community in support of their research, learning, teaching and scholarship. These include various computer languages, applications and computer-based services

available through VAX/VMS and UNIX time-sharing facilities, clusters of MS-DOS and Macintosh microcomputers, and a network of UNIX workstations.

Some of these resources are accessible only through personalized computer accounts. Computer accounts which include full Internet access are available upon request from Computing & Telecommunications Services.

The use of Trent's computer facilities is available to all students and faculty free of charge. Use of the facilities is a privilege, not a right, and users must comply with the "Trent University Computer-User Code of Ethics".

Academic Skills Centre

Director

Karen Taylor, M.A.

Coordinator Publications Program

Paul Gamache

The Academic Skills Centre offers both individual and group assistance in writing, critical and efficient reading, mathematics, and study skills. Any Trent student may use the services of the centre; the length of the contact varies from a single session to regular, long-term assistance.

During Introductory Seminar Week the centre administers a diagnostic writing exercise. On the basis of the results of this exercise, some students are advised to seek help either by taking workshops or by working one-to-one with an instructor.

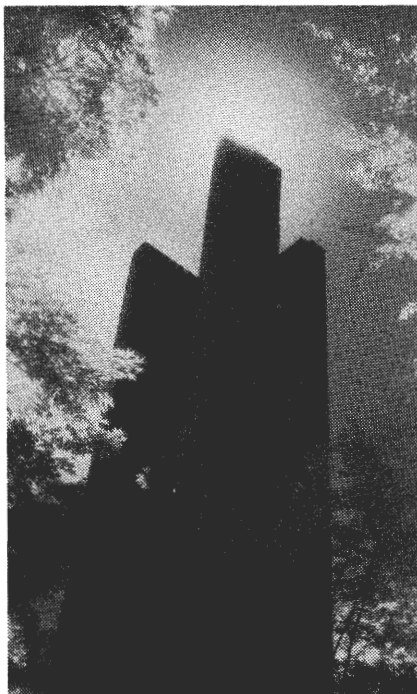
Many students begin work at the centre in the early weeks of their first year; however, students may come for help at any time throughout their years at Trent. While the centre's main office is located at Traill College, some students may find it more convenient to meet with an instructor at one of the Champlain College offices. At Traill, there is a lending library of books on composition and other academic skills.

Students who would like the response of an instructor at any point during the essay-writing process – on reading, research, drafting, or revision – or those who seek a review of grammar, seminar presentation, study skills, or high school mathematics, may phone the centre's secretary to enrol in a workshop or to arrange an appointment. Many students – even those who complete the diagnostic writing exercise with ease – find that taking the non-credit workshops early in the first

year helps them get a good start in their course work.

Two groups of students who might be particularly interested in working with the centre are students for whom English is a second language and special needs students. These students should make a special effort to visit the centre early in the year or even before term begins.

The centre's Publications Program writes, publishes, and distributes handbooks that assist students in achieving academic success. *Notes on the Preparation of Essays in the Arts and Sciences* is a guide to correct documentation and style; *Thinking It Through: A Practical Guide to Academic Essay Writing* covers the writing process and the requirements of an academic essay; and *Clear, Correct, Creative: A Handbook for Writers of Academic Prose* covers conventional English grammar, style, and word usage. Centre staff have also written *Making Your Mark: Learning to Do Well on Exams*, which helps students study throughout the academic year and prepare for exams. This book is published by Harcourt Brace. All these texts may be obtained by contacting the Academic Skills Centre by telephone (705) 748-1720, by facsimile (705) 748-1721, or by mail.



Financial Information

Fees

All quoted fees are for 1994-95. Fees for 1995-96 should be available in March or April 1995.

Payment of Undergraduate Fees

All fees are due by August 15, 1995, including fees for registered courses starting in the second term. Payment may be made in the following ways:

- payment in full by August 15, 1995 or submission of documented evidence that fees will be paid from external support.

OR

- a payment of approximately 65% by August 15, 1995 (or proof of external support), and a payment of the balance of all fees by no later than January 15, 1996 (or proof of external support).

In addition, all other accounts such as departmental charges for laboratory fees, field trips, etc. are to be included in the January 15, 1996, payment.

The payment of August 15, 1995 from continuing students must be accompanied by a completed Fee Payment Commitment Form. Without this completed form, official registration will not be considered complete.

Continuing students who have an unpaid fees account or library fines from a previous academic session are required to include full payment of their account and of outstanding library fines with the August 15, 1995 payment in order to be officially registered.

Cheques or other remittances (please do not mail cash) should be made payable to Trent University and together with a completed Fee Payment Commitment Form mailed to Student Financial Services Office, Financial Services, Blackburn Hall, Trent University, Peterborough, Ontario, K9J 7B8.

There is a \$20 fee for cheques which are returned by the bank for NSF or other reasons. If a cheque, which accompanies the first instalment of fees at August 15, 1995, is returned by the bank, the student's official registration is automatically cancelled. In order to be eligible to re-register, the invalid cheque must be replaced with a certified cheque or money order.

The University reserves the right to require a student to pay by certified cheque.

Students who receive financial assistance from OSAP, scholarships, bursaries or any other source which is not available by August 15, 1995 may receive a payment deferment. Submission of a completed Fee Payment Commitment Form is still required. Students are required to make arrangements for a fee payment deferment with the Financial Aid Office in Financial Services in Blackburn Hall prior to August 15, 1995. Deferments will normally only be granted to students who can show proof of financial assistance which can be confirmed by the University. There is a \$25 fee for a deferment.

The University will not consider registration to be complete until all financial requirements have been met by the student.

Continuing students are required to early register in April. Students who have an outstanding account or still owe library fines will be excluded from Early Registration in April and will not be allowed to register in any subsequent session until unpaid accounts and outstanding library fines have been fully settled.

Tuition Fees

Students admitted to full-time studies (a course load of 3.5 courses or more) are required to pay full tuition fees. In 1994-95 this fee was \$2,228.

Students admitted to part-time studies pay one-fifth of the full-time tuition fee for each full course registered. In 1994-95 this fee was \$446 per full course, \$223 per half course.

A tax certificate for tuition fees assessed during the calendar year will be provided in February.

Ancillary Fees - Full-Time Students

Full-time students admitted to full-time studies will normally be affiliated with one of the five residential colleges for full-time students, and will be required to pay the ancillary fees for full-time students. These include fees for athletics, health services, transportation (bus pass and some parking), college activities and a convocation fee. New students also pay an Introductory Seminar Week fee.

In 1994-95 these fees were:

Athletics	\$109.00
Health Services	\$ 29.00
Transportation	\$125.30
College Activities	\$178.00
Convocation	\$ 11.25
Introductory Seminar Week	\$ 10.00

Students affiliated with Julian Blackburn College, the college for part-time students, and who are admitted to full-time studies normally pay the ancillary fees for full time students.

Students taking a full-time course load (i.e. 3.5 courses or more) in Oshawa pay part-time ancillary fees. However, if more than one full course of the total course load is taken in Peterborough, the student is required to pay full-time student ancillary fees. For further information contact the Student Financial Services Office in Financial Services.

Ancillary Fees - Part-Time Students

All students admitted to part-time studies will normally be affiliated with Julian Blackburn College, the University's college for part-time students.

Generally, if a part-time student wishes, for some exceptional reason, to be affiliated with one of the residential colleges for full-time students, **the student will be required to pay all the ancillary fees paid by full-time students.** Continuing full-time students who decide to register in part-time studies are also automatically affiliated with Julian Blackburn College. Part-time students who wish to be affiliated with a full-time residential college have until September 30 to request this change through the college office.

Part-time students registered in courses offered in Peterborough pay ancillary fees for part-time students. These include fees for athletics, health services, college activities and a convocation fee. Part-time students registered in courses offered outside Peterborough, Oshawa for example, are not required to pay the ancillary fees for athletics and health services. In 1994-95 these fees were:

Athletics	\$31.00 per full course
Health Services	\$ 2.60 per full course
College Activities	\$27.50 per full course
Convocation	\$ 2.25 per full course

Part-time students who are required to visit the University's main campus three or more times per week on a regular basis are eligible to purchase a bus pass. Student bus passes are issued by the Student Financial Services Office in Financial Services in Blackburn Hall.

Residence Fees

Full room and board is provided in single and double accommodation in each of the five University's residential colleges

for full-time students. In addition, limited townhouse accommodation is available without meals. In 1994-95 residence fees were \$5,297 for single, \$5,014 for double and \$2,917 for townhouse.

Continuing full-time students interested in residence are required to submit a residence application form to their college office by the end of March. A \$200 deposit mailed directly to the college office is due June 1 to confirm acceptance.

Full-time applicants to the University indicate on the college application form, which they submit directly to the Registrar's Office by June 1, their interest in residence. Students who are offered a space in residence are required to submit a \$200 residence deposit by the date indicated in the University's offer of residence to confirm acceptance.

Trent University offers accommodation in residence from early May to late August. For further information about rates please contact the Conference Office or one of the colleges.

Meals

The University's residence fees include the cost of a full meal plan (21 meals per week) for the academic year commencing immediately after introductory seminar week in September.

The colleges also encourage non-resident students to eat their meals in the college dining rooms. Therefore, the University offers special (non-refundable) meal plans to non-resident students at various levels of discounts. These meal plans may be purchased (they cannot be charged to a student's account) at the Student Financial Services Office, Financial Services in the Blackburn Hall. In 1994-95 the following special meal plans were available to students not in residence.

	First term	Second term
10 meals/week		
(30% discount)	\$ 676.89	\$ 773.58
21 meals/week		
(35% discount)	\$1,185.21	\$1,354.53

Students wishing to purchase a 21-meal per week meal plan for the two terms combined pay \$2,380.00 (40% discount).

Alternatively, non-resident students may purchase a package of 50 meal tickets (25 lunches and 25 dinners) for \$278.01 (15% discount) or a package of 25 meals at 10% discount (25 lunches for \$137.86 or 25 dinners \$156.50). Prices for 1995-96 should be available in March or April 1995.

Student Government and Organization Fees

Student government and organization fees are determined by student referenda which are held under the supervision of the Trent University Student Union for full-time students and the Julian Blackburn College Students' Association for part-time students. All full-time and part-time students are required to pay student government and organization fees. These fees are not refundable unless specifically noted. For full-time students these fees in 1994-95 included Trent Student Union \$32.25 (this includes \$5 for the Canadian Federation of Students of Ontario), Arthur \$9, Trent Film Society \$3, Trent Radio \$15, Trent Music Society \$2.50, Theatre Trent \$3, Trent International Students Association \$1.50, Peterborough Rape Centre \$3, Women's Centre \$1.75, Trent Annual \$18, WUSC \$2, Trent Student Union Student Health Plan \$73.05, The Commoner \$3, OPIRG \$9, OXFAM \$3, Peterborough Learner's Centre \$4, College Student Pubs \$2, Canadian Federation of Students \$6, and International Scholarship Fund \$5. (The Commoner, OPIRG, OXFAM, Trent Student Union [for Student Health Plan] and Peterborough Learner's Centre will provide refunds **directly** to students when requested by certain deadlines which are set by the student organizations).

Part-time students pay a Student Association Fee. In 1994-95, this fee was \$5.50 per full course.

Health Insurance for International Students

Effective July 1, 1994 the Ontario Government ruled that international students and their dependents who are temporary residents of Ontario will no longer be eligible for coverage under the Ontario Health Insurance Plan (OHIP). Therefore, international students are required to purchase basic health insurance coverage to register for their courses at Trent University. Private coverage with Blue Cross has been arranged through a joint initiative of the Council of Ontario Universities and the universities. A compulsory health insurance fee, **payable in full with the August 15, 1995, fee payment**, must be paid to Trent University by all international students to provide this health insurance coverage. In 1994-95 the health insurance fee was \$535.68 for single

coverage. Coverage is available for dependents. Students will not be officially registered without this full payment of health insurance at August 15, 1995. Students are required to complete a health insurance application form. The insurance will not be valid until the student has completed the form, and, the form has been sealed and stamped by the Trent International Program (TIP) Office in September. Forms are available at the TIP Office in Lady Eaton College.

Senior Citizens

The University's Board of Governors has revised the tuition fee waiver for senior citizens. Persons 65 years of age and older who successfully completed a course for credit during the two years immediately prior to 1995-96 will be able to continue to receive a waiver of all compulsory fees until September 1997. All other persons of 65 years and older will pay full fees. However, these persons will be able to apply for a student bursary in case of financial need.

Persons of 65 years and older who wish to audit courses only pay an administrative fee \$100 per full course and pay no compulsory ancillary fees.

Auditing Courses

Persons under the age of 65 who wish to audit courses will pay 50% of the regular tuition fee for regular credit courses. Auditing students do not pay compulsory ancillary fees.

Other Fees

Additional fees at 1994-95 levels (subject to change in 1995-96):

Transcripts - per copy	\$ 5.00
Academic appeals	\$ 25.00
Letter of Permission for courses at other Universities	\$ 30.00
Degree replacements	\$ 40.00
Document lamination	\$ 2.00
Replacement of tax tuition form: current session	\$ 5.00
previous session	\$ 15.00
Late registration fee:	
Full-time students:	
prior to July 31	\$100.00
after July 31	\$200.00
Part-time students:	
prior to July 31	\$ 50.00
after July 31	\$100.00
Application to Trent by part- time students	\$ 25.00
Application for re-admission	\$ 25.00
Verification of registration	\$ 5.00

Assessment letter	\$ 10.00
Processing withdrawal from the University prior to start of classes	\$ 50.00
Late course additions	
- per course	\$ 25.00
Late convocation application fee	\$ 25.00
Trent International Program:	
Exchange application	\$100.00
Foreign university placement	\$ 75.00
Fee payment instalment fee	\$ 30.00
Late second instalment payment	\$ 50.00
Replace bus pass:	
First term	\$104.40
Second term	\$ 55.70
Replace student I.D. card	\$ 10.00
Return cheque fee	\$ 20.00
Copy of OSAP application	\$ 3.00
Incorrect/incomplete OSAP application	\$ 5.00
Fee deferment application	\$ 25.00
Short-term loan application	\$ 10.00
Replacement of meal card	\$ 25.00
Replacement of residence key	\$ 65.00
Replacement of mail box key	\$ 25.00
Replacement of library card	\$ 5.00
Residence appliance fee	\$ 20.00
Late college transfer application	\$100.00
Rental of library study carrels	\$ 8.00
Library fines for overdue books and lost material	various

Special additional fees may be assessed directly by some departments for courses involving laboratory or field work, or for course material. Some of these fees may be refundable. Additional fees are also charged to students who participate in one of the University's Year Abroad Programs. Departments will provide detail information on request.

Trent University/Sir Sandford Fleming College

Trent University and Sir Sandford Fleming College offer a number of programs on a joint basis. The fee structure for the courses taken under these joint programs at Trent University may differ slightly from the regular fee structure. The University's Student Financial Services Office will be able to provide more information about the fees charged by the University.

Textbooks

The cost of books and materials varies according to individual course requirements, with those for science courses tending to be more expensive than those for arts courses. Students should be prepared to spend approximately \$130 per course. Both new and used textbooks are

available from the Trent University Bookstore. The Bookstore accepts personal cheques, MasterCard and Visa. The Bookstore provides limited refunds of textbook purchases. Students are expected to familiarize themselves with the Bookstore's text book refund policies.

Withdrawal From the University and Refund of Fees

Refunds are provided for all tuition and compulsory ancillary fees except those listed under Student Government and Organization Fees. Most of the other fees listed are not refundable unless specifically indicated otherwise.

Full-time students who wish to withdraw from Trent University must visit their college office to complete an official Withdrawal Form, obtain the signature of the college head and return the student identification card (bus pass) and meal card (in case of a resident student). The student is then responsible for delivering the completed Withdrawal Form to the Registrar's Office for the official recording and dating of the withdrawal for academic and refund purposes. The date the form is received by the Registrar's Office serves as the effective date for the Finance Office at which it will calculate the proportionate refund of fees. The Finance Office will not process a refund until it has received the student's bus pass (and meal card where applicable) from the college office. Full-time students who withdraw from courses but retain a course load of at least 3.5 courses, are still considered full time and do not receive a refund for the withdrawn courses. If a full time student withdraws from courses which causes the total course load to become less than 3.5 courses, the student will change to part-time status and the fees will be re-assessed on that basis effective the date of the change.

Part-time students who wish to withdraw are required to notify Registrar's Office in writing. The date the student's letter is received by the Registrar's Office becomes the effective date of course withdrawal and the date used by the Finance Office to calculate the fee refund.

Fee refunds for withdrawals prior to the start of classes are subject to a \$50 processing charge.

A table has been provided which outlines the percentages at certain dates during the academic year at which the fee refunds are calculated for full withdrawal from the University or for a course

withdrawal by a part-time student. The actual amount of refund will of course depend on the amount of fees actually paid. The table assumes that all fees are paid. Student Government and Organization Fees are not refundable.

Students Changing From Full-Time to Part-Time and Refund of Fees

Students changing from full-time to part-time (i.e. less than 3.5 courses) will be provided a pro-rated refund in tuition fees based on the date a completed Change of Course Registration Form is received by the Registrar's Office.

Unpaid Student Accounts

Students who wish to pay their fees in two instalments will be assessed a \$30 instalment fee when the first instalment is due, i.e. August 15, 1995. Students who fail to pay the second instalment including all other accounts by January 15, 1996 will be assessed a \$50 late payment fee.

Unpaid accounts of students who are no longer registered with the University will be placed with a collection agency.

Ineligibility to Return to the University for Financial Reasons

For all students who have not paid their University account in full by February 28, the Registrar's Office will change their academic status to Financially Ineligible to Early Register. These students will be excluded from Early Registration in April and will be required to apply for re-admission to the University. **Students in this status are still required to complete the academic year, including the**

writing of any final examination; however, neither transcripts nor grade reports will be released for students having financial obligations to the University.

Confidentiality of Student Fee Information

All information regarding student fees is treated as confidential and will normally only be released to individual students. In cases where sponsoring government and private agencies and organizations or individuals are paying fees on the student's behalf, the student may wish to waive the right of privacy and allow the University to release information about the status of his/her fees to avoid any interruption in the payment of fees. Since official registration is dependent upon financial eligibility, any delay could result in the cancellation of registration and the imposition of a late fine when re-registering. To ensure the necessary fee information is available to sponsoring agencies, etc., students must complete the release waiver on the Fee Payment Commitment Form which is to accompany the August 15 payment of fees.

Schedule of Undergraduate Fees

To assist students in their financial planning, a fee schedule, based on 1994-95 rates, is included. The actual fees for the 1995-96 academic year will not be available until March or April 1995 after they have been approved by the University's Board of Governors.

1994-95 Fees for Full-Time Undergraduate Students

(Fees for 1995-96 will be available in March or April 1995)

	Tuition	Residence	Ancillary	Student Government	If paid in two instalments		
					If paid in full Total Fees Due Aug. 15	First Instalment Due Aug. 15/94 (Includes \$30.00 Instalment Fee)	Second Instalment Due Jan. 15
Non-resident rate	\$2,228.00		\$452.55	\$196.05	\$2,876.60	\$1,756.00	\$1,150.60
Single room rate	\$2,228.00	\$5,297.00	\$452.55	\$196.05	\$8,173.60	\$4,934.50	\$3,269.10
Double room rate	\$2,228.00	\$5,014.00	\$452.55	\$196.05	\$7,890.60	\$4,764.50	\$3,156.10
Townhouse rate	\$2,228.00	\$2,917.00	\$452.55	\$196.05	\$5,793.60	\$3,506.50	\$2,317.10

International students pay an additional \$6,175.00 (94-95 rate) in tuition fees.

International students also pay \$535.68 (94-95 rate) for health insurance with the August 15 instalment. Health insurance coverage is compulsory. Without this additional payment, the payment at August 15 is not complete.

New full-time students pay an additional \$10.00 Introductory Seminar Fee at August 15 (not included in the above).

The first instalment at August 15 includes a \$30 instalment fee.

Students who do not meet the January 15 second instalment deadline will be charged a \$50.00 late payment fee.

Part time students may find information about fees in the calendar for Part-Time Studies issued by Julian Blackburn College.

Percentage Refunds Table

		<i>Tuition & Ancillary</i>		<i>Residence & Meals</i>		
		<i>Full-time</i>				
		<i>One full course</i>	<i>Half course</i>	<i>Residence</i>	<i>Meal plan</i>	<i>Student government fees</i>
11 Sep 1995	17 Sep	90%	90%	82%	91%	0%
18 Sep	24 Sep	90%	80%	79%	88%	0%
25 Sep	01 Oct	90%	70%	76%	85%	0%
02 Oct	08 Oct	80%	60%	73%	82%	0%
09 Oct	15 Oct	80%	50%	70%	79%	0%
16 Oct	22 Oct	80%	40%	67%	76%	0%
23 Oct	29 Oct	70%	30%	64%	73%	0%
30 Oct	05 Nov	70%	20%	61%	70%	0%
06 Nov	12 Nov	70%	10%	58%	67%	0%
13 Nov	19 Nov	60%	0%	55%	64%	0%
20 Nov	26 Nov	60%	0%	52%	61%	0%
27 Nov	03 Dec	50%	0%	49%	58%	0%
04 Dec	10 Dec	40%	0%	46%	55%	0%
11 Dec	17 Dec			43%	52%	0%
18 Dec	24 Dec					
25 Dec	31 Dec					
01 Jan 1996	07 Jan					
08 Jan	14 Jan	40%	90%	40%	49%	0%
15 Jan	21 Jan	40%	80%	37%	46%	0%
22 Jan	28 Jan	30%	70%	34%	43%	0%
29 Jan	04 Feb	30%	60%	31%	40%	0%
05 Feb	11 Feb	20%	50%	28%	37%	0%
12 Feb	18 Feb	10%	40%	25%	34%	0%
19 Feb	25 Feb	0%	30%	0%	31%	0%
26 Feb	03 Mar	0%	20%	0%	28%	0%
04 Mar	10 Mar	0%	10%	0%	25%	0%
11 Mar	17 Mar	0%	0%	0%	22%	0%
18 Mar	24 Mar	0%	0%	0%	19%	0%
25 Mar	31 Mar	0%	0%	0%	16%	0%
01 Apr	07 Apr	0%	0%	0%	13%	0%
08 Apr	14 Apr	0%	0%	0%	0%	0%
15 Apr	21 Apr	0%	0%	0%	0%	0%
22 Apr	28 Apr	0%	0%	0%	0%	0%

Student Aid

Ontario Student Assistance Program

The Province of Ontario and the Government of Canada provide loan assistance to university students through the Ontario Student Assistance Program. To qualify for Canada Student Loans the student and/or parents, guardians or sponsors must be Canadian Citizens or Permanent Residents. To qualify for Ontario Student Loans the student must also meet certain residency criteria.

The purpose of OSAP is to assist both full-time and part-time students when the financial resources available to them from parents, spouses, summer work or other sources are insufficient to meet estimated educational costs.

The following programs are funded by the Province of Ontario under the OSAP program.

The Ontario Special Bursary Plan

(OSBP) provides a limited number of bursaries to sole-support parents and students with disabilities who study on a part-time basis (maximum 60% course load). Tuition, books, travel costs and babysitting to a maximum of \$2,500 per year is available.

The Child Care Bursary is available to married students and sole-support parents who apply and qualify for OSAP assistance. Applications will be mailed directly by the Ministry of Education and Training to all students indicating child care costs on their OSAP application.

The Bursary For Students with Disabilities is available to students who incur disability related educational expenses. Students are encouraged to contact the Special Needs Office to obtain an application and discuss their needs.

The Ontario Work Study Program (OWSP) is funded by the Province of Ontario and provides part-time jobs on campus during the study period for full-time students (minimum 60% course load) whose financial needs are not met through the loan programs. Applications for these positions will be available at the Financial Aid Office in September.

Students can obtain applications and information on the OSAP program through their high school guidance office or from the Financial Aid Office Trent University.

Financial Assistance for Students from Outside Ontario

Students from outside Ontario who require financial assistance in university are strongly urged to consult with officials in their schools regarding available provincial loan and bursary assistance.

Students from foreign countries are urged to consult with educational authorities in their own country.

The University has limited bursary funds to assist needy students not eligible for government assistance.

Emergency Short-term Loan Funds

Loan funds are available on a short-term basis to help needy students meet emergency situations. Among these funds is the Henry and Mary Nokes Fund established by the Cobourg and District Labour Council to honour Mr. and Mrs.

Nokes, and augmented by private donors. Funds have also been made available through a joint undertaking of the Trent University Alumni Association, the Trent Student Union (Development Projects Fund) and the College Cabinets/Councils. A fund has also been established by the Major Bennett Chapter, IODE, Peterborough, Ontario.

Bursaries

Bursary funds are intended to assist primarily in emergency situations. Bursaries are usually awarded in second term based on financial need and satisfactory academic achievement. Applications are available from the Financial Aid Office or the College Heads early in January. The deadline date for submission is Jan. 31.

Eileen Allemang Bursary Fund

This bursary is to be awarded to a student of Peter Robinson College based on academic achievement, financial need and contribution to college activities.

The Atkinson Charitable Foundation Bursaries

These bursaries are awarded to deserving Ontario undergraduates based on academic achievement and financial need.

Barkley's of Avonmore Bursary

Established by Fred Barkley of Avonmore this bursary will be awarded annually to a deserving student in any undergraduate year, who is a resident of a province other than Ontario.

Barley's of Avonmore Visa Bursary

Established by Fred Barkley of Avonmore this bursary will be awarded annually to a deserving Visa student based on satisfactory academic achievement and financial need.

Beta Sigma Phi Bursary Fund

Established through the local chapter of the Beta Sigma Phi with funds from the international division to be awarded to deserving students in any undergraduate year.

The Birks Family Foundation Bursary Fund

This bursary will be awarded to a deserving student in any undergraduate year based on academic achievement and financial need.

The Bourinot Bursary Fund

This bursary will be awarded annually to a full-time student from Peterborough County. Preference will be given to an employee of the Canadian Tire Store in Peterborough or a member of their immediate family.

Philip and Annie C. Black Award

These awards are the gift of Isadore and the late Morris Black of Peterborough in memory of their father, Philip Black, the first Rabbi in Peterborough, and their mother, Annie.

Julian Blackburn College Student Association Bursary Fund

A number of bursaries are available to part-time students undertaking study at Trent on a continuing basis. Students must have been registered in JBC college for two previous sessions.

Jacob F. Burnham Memorial Bursary

The gift of Daisy McCarrell, a former employee of Trent University, two bursaries of \$500 each will be awarded annually based on financial need and satisfactory academic achievement. Preference will be given to students majoring in Economics, Administrative Studies, and related fields.

Dr. Leslie Calvert Award

Named after one of Trent's first students of German, this award is for deserving students who require financial help to participate in the Year Abroad Program in Freiburg.

The Ron Campbell Bursary

Established by Ron Campbell Enterprises, which operates McDonald's Restaurants in Peterborough and Lindsay, for students from Victoria and Peterborough Counties enrolled in Trent's Environmental and Resource Studies Program. This bursary will be awarded annually based on satisfactory academic achievement and financial need.

Champlain College Cabinet Bursary

This bursary will be awarded annually to a Champlain College student with a minimum C- average and financial need. The recipient will be chosen by a committee of the Master, Assistant to the Master and the College Cabinet President.

Harry Cherney Memorial Bursary

Established in memory of the late Harry Cherney by wife, Erica, his sons, Brian and Lawrence, family and friends, these bursaries will be awarded annually to students studying Administrative Studies Economics or Computer Studies, based on financial need and satisfactory academic achievement.

Morris Christie Memorial Bursary

Established in memory of Morris Christie by Karen and Mark Christie and family, to be awarded annually to deserving students based on satisfactory academic achievement and financial need with preference given to a student from the Third World.

The City of Peterborough Employees' Awards

The City of Peterborough Employees' Awards have been established by the employees of the City of Peterborough. These awards are available to any child or spouse of a City of Peterborough employee who requires financial assistance with tuition, or related costs, while attending Trent University. Applications will be available through the Personnel Office, City of Peterborough or Trent's Financial Aid Office.

The Commoner Bursary Fund

This bursary established by The Commoner Limited will be awarded annually to a full-time student based on financial need and a minimum C average.

Community Service Bursary Program

Established by the Quaker Oats Employees' Independent Union (Cereals), this bursary will be awarded annually to a full-time student from Peterborough

County based on financial need and satisfactory academic achievement.

County of Peterborough Bursary Fund

Established by the County of Peterborough to be awarded to deserving students in any undergraduate year who have established a minimum two years residency in the County of Peterborough (which includes the fourteen townships and four villages), has satisfactory academic standing and a demonstrated financial need.

The John S. Cunningham Memorial Bursary

Established in memory of the late John Scott Cunningham by associates of Bell & Howell, friends, and fellow members of the Stoney Lake Cottagers Association, to be awarded to deserving students in any undergraduate year.

The Dainard Foundation Bursary

Established by Mr. Garnet Dainard, Peterborough, to be awarded to deserving students in any undergraduate year.

The Ewing Memorial Honours Awards

A number of awards are available annually to students of high academic standing entering the fourth year of their honours program. These awards are the gift of the late C.W. Ewing, a native of Warkworth.

Reginald R. Faryon Bursary

The award is the gift of the Peterborough Branch of B'nai B'rith in memory of Reginald R. Faryon.

The Michael Frisch Memorial Bursary

Established in memory of the late Michael Frisch, to be awarded to an undergraduate student who is actively involved in extracurricular activities within or beyond the university.

The Eileen Gallagher Memorial Bursary

The gift of alumni, family and friends, this bursary will be awarded to deserving Otonabee College students demonstrating financial need, chosen by the Head of College in consultation with the Director of Alumni Affairs.

German Studies Bursary

These bursaries will be awarded annually to students majoring in German Studies in second year or higher, who have achieved a minimum B average in the preceding year and have demonstrated financial need.

Jon K. Grant Bursary Fund

This fund has been established in honour of Jon K. Grant in recognition of his distinguished contribution to Trent University as Chairman of The Fund for Excellence campaign, April 1, 1982 to March 30, 1987. The bursaries will be awarded to deserving students based on academic achievement and financial need. Distinction in cultural, athletic or other community activities may also be considered.

**The Hamilton Foundation—
Chaney-Ensign Bursary Fund**

Bursaries are available to assist financially needy undergraduate and postgraduate students. Applicants must be graduates of Hamilton secondary schools, public or separate.

Naomi Harder Memorial Bursary Fund

Established by family and friends in memory of Naomi S. Harder, a second year Comparative Development major at Trent University at the time of her death on December 19, 1988. In the spirit of Naomi's concern for others and her deep commitment to international understanding, this bursary will be awarded annually to a student based on his/her dedication to international and national development, peace and justice issues, financial need and satisfactory academic standing.

The Brian Heeney Memorial Award

Established in memory of the late Brian Heeney, Vice-President (Academic) and Provost of Trent University at the time of his death on September 17, 1983. This award will be given annually to a graduate from Lakefield College School or Lakefield District Secondary School who enrolls at Trent in the undergraduate program. The award will be based on academic standing, financial need and distinction in cultural, athletic or other community activities.

Victor E. Henderson Bursary Fund

These bursaries are named in honour of Victor E. Henderson, local campaign chairman of the Trent University Second Decade Fund. The Henderson Bursaries will be awarded to deserving first year students from Peterborough County based on academic achievement, financial need, and distinction in cultural, athletic or other community activities.

Henniger/Pilkington Bursary Fund

To honour Perry and Ella Henniger and Lawrence and Norah Pilkington, the parents of Jim and Isabel Henniger, this bursary is awarded annually to a well rounded student(s), actively involved in the life of the university, be it student government, sports or music programs or university clubs, while maintaining satisfactory academic achievement. This renewable bursary is available to second, third or fourth year students in financial need.

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.

**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, majoring in sciences or business related programs.

The David Irwin Memorial Bursary

This bursary, established in memory of David Sutherland Irwin, a member of Trent's first graduating class and a former Professor of Biochemistry, is awarded on the basis of academic standing and financial need to a student entering the third or fourth year of an Honours Program in Chemistry or Biochemistry.

Jean Ann Johnston-Gauld Bursary

These bursaries, the gift of the family in memory of Jean Ann Johnston-Gauld a part-time student at Trent University from 1982-85, will be awarded annually to part-time students based on satisfactory academic achievement and financial need.

Rhoda Johnston Memorial Bursary

These bursaries, the gift of Robert Johnston in memory of his wife Rhoda, a long term past employee of Trent University, will be awarded annually to deserving undergraduate students in a Canadian Studies program. Bursaries of up to \$1,000 will be awarded on the basis of academic achievement and financial need.

**Principal H.R.H. Kenner and PCVS
Faculty Award**

This award was established by the PCVS Form 5 graduating class of 1937 in honour of Principal Kenner and their teachers. Support has also come from the class of

1939. Bursaries will be awarded to graduates of secondary schools in Peterborough County based on academic achievement and financial need.

The Keppler Bursaries of German Studies

Established by Hans and Christine Keppler, to be awarded annually to upper-year students studying German, based on financial need and satisfactory academic achievement.

Kiwanis Club of Peterborough Bursary

A bursary will be awarded annually to a student in second year or higher majoring in Administrative Studies, Computer Studies or Economics. Applicants must be residents of the City or County of Peterborough.

Lady Eaton College Students' Bursary Fund

This bursary is to be awarded to a student of Lady Eaton College who can demonstrate financial need.

The Leonard Foundation Bursaries

Bursaries averaging \$1,250 are available to financially needy students. Preference will be given to sons and daughters of clergy, teachers, military personnel, graduates of Royal Military College members of the Engineering Institute of Canada and the Mining and Metallurgical Institute of Canada. Application deadline date is March 15th.

Louis and Bess Loftus Fellowship Bursary

Established by Barnet David Loftus in memory of his parents. These bursaries will be awarded annually to deserving students in any year showing satisfactory academic achievement and financial need.

Malcolm Montgomery Bursary Fund

These bursaries, a bequest from the estate of the late Malcolm Montgomery, will be awarded to needy students in the fourth year of the Native Studies Honours program.

Marriott Corporation Bursary Fund

Established by Marriott Corporation to be awarded to deserving students in any undergraduate year based on satisfactory academic standing and financial need.

The Masonic Foundation of Ontario

The Foundation aims to provide assistance for students near graduation who cannot complete their year owing to a sudden personal emergency.

John C. McDonald Memorial Fund

Assistance from this fund, established in memory of Professor John C. McDonald former Chairman of the Department of Sociology, is awarded to deserving students who need financial help to continue their studies at Trent University.

William Hamilton Munro Bursary Fund

These bursaries, the gift of the late Mrs. Angele Munro in memory of her husband William Hamilton Munro, are to be awarded to deserving students in any undergraduate year.

Native Studies Bursary Funds

The Department of Native Studies provides bursaries for students of Metis and non-status Indian ancestry who do not qualify for educational assistance from the Department of Indian and Northern Affairs. Native students who can establish financial need and have been admitted to Trent University are encouraged to apply.

Ontario Credit Union Charitable Foundation Bursary

A bursary of \$250 will be awarded annually to a Trent student who is a Canadian citizen or permanent resident in second, third, or fourth year of a Business Management Program, based on satisfactory academic achievement and financial need.

Ontario Housing Corporation Bursary

OHC will award bursaries to talented students living in OHC accommodations to undertake post-secondary education.

Ontario Public School Teachers' Federation Bursary

Established by the Ontario Public School Men Teachers Federation to provide assistance for deserving students of Metis and non-status Indian ancestry.

Otonabee College Council Tenth Year Bursary

This bursary of a value of no less than \$150 is to be awarded annually to an Otonabee College student on the basis of academic performance (B average or better), athletic ability and participation within the community. The recipient will be chosen by a committee of the Master, the Senior Tutor, the President and Vice-President of College Council.

Dennis Patterson Northern Bursary

To recognize the visit of the Government Leader of the Northwest Territories in 1990, this bursary is awarded annually to

a deserving student from the Northwest Territories based on financial need and satisfactory academic achievement.

Peter Robinson Bursary Fund

These bursaries, a bequest from the estate of the late Lady Maude E. Robinson are to be awarded annually in the name of Peter Robinson, the founder of Peterborough and the brother of Sir John Beverley Robinson, 1st Baronet, to deserving students of Peter Robinson College, demonstrating financial need.

Peterborough Professional Fire Fighters' Bursary

Established from gifts to Trent's Second Decade Fund by the Peterborough Professional Fire Fighters Local Number 519, these bursaries will be awarded annually to students at Trent University.

The Scott Rennie Memorial Bursary

This bursary, the gift of alumni, family and friends, is in memory of Scott Rennie, an alumnus of Otonabee College. The bursary will be awarded to a deserving Otonabee College student to be chosen by the Master of the College in conjunction with the Director of Alumni Affairs.

Royal Canadian Legion Bursary

Bursary assistance of up to \$500 is available for: a) War veterans and their sons and daughters; b) Ordinary members of the Legion and their sons and daughters; c) Associate members of the Legion and their sons and daughters; d) Ladies Auxiliary members and their sons and daughters. Awards are determined by the District Bursary Committee.

Setsu Suzuki Bursary

Donated by David Suzuki in memory of his mother, Setsu Suzuki, to be awarded to a deserving student from the Third World on the basis of academic standing and financial need.

Sir Sandford Fleming College Award

Established by Sir Sandford Fleming College in recognition of Trent's 25th anniversary and to acknowledge the *excellent relationship between our institutions*, this award for a value of full tuition will be made annually to a graduate of SSFC enrolled at Trent University in a full-time or part-time program based on academic achievement and financial need.

Sisters of St. Joseph of Peterborough Bursaries

These bursaries, the gift of the Sisters of St. Joseph of Peterborough, are to be awarded on the basis of need and academic achievement to students completing the Teacher Education Program for use in their fourth year at Queen's University.

Bill and Dorothy Slavin Bursary

Established by members of the Slavin family, in memory of their parents, Bill and Dorothy Slavin, to be awarded to a deserving student from a developing country on the basis of academic standing and financial need.

The J. Herbert Smith Bursary

Established by J. Herbert Smith to be awarded annually to a deserving student in their undergraduate year. As Chief Executive Officer, Dr. Smith was instrumental in arranging for the original gift of land to Trent University by GE Canada.

William and Margaret Taylor Bursary

This bursary, the gift of William E. Taylor, Jr., is to be awarded annually in memory of William and Margaret Taylor to a deserving undergraduate student demonstrating financial need. Preference will be given to orphans, native students and Canadian Studies majors.

The Roland Tedford Bursary

Established by Garth Duff in memory of Roland Tedford, former Warden of Peterborough County and Reeve of Douro Township. Two bursaries of \$500 will be awarded annually based on financial need and satisfactory academic progress with preference given to students from Douro and Dummer Townships.

Catharine Parr Traill College Students' Bursary Fund

This bursary is to be awarded to a student of Catharine Parr Traill College who can demonstrate financial need.

William Thompson Graduate Bursary

This bursary, a bequest from the estate of the late William Thompson (1891-1978) of Westwood, Ontario, will be awarded annually to a student registered in a graduate program, based on financial need and satisfactory academic progress.

Trent University Alumni Bursary

Established by the Trent University Alumni Association, to be awarded to returning students on the basis of need,

significant contribution to university life, and an acceptable academic average.

TUFA Bursary

These bursaries are funded by the faculty and professional librarian members of the Trent University Faculty Association. They will be awarded annually to students in second year or higher, who achieved a minimum B average in the preceding year and have demonstrated financial need.

The Trent University S & A Bursaries

The employees of Trent University have donated bursaries up to \$500 to be awarded to students who demonstrate financial need, all-round achievement and character, and are permanent residents of the Province of Ontario.

Trent Student Union Bursary

Established by the Trent Student Union, this bursary will be awarded annually on the basis of academic achievement and financial need.

University Women's Club 50th Anniversary Award

Established by the University Women's Club of Peterborough in 1987 in honour of their 50th anniversary, an award of \$500 will be made annually to a deserving student currently registered in the fourth year of an Honours program and proceeding to graduate studies at Trent University. The award will be based on financial need and academic achievement.

Visa Student Bursary Fund

Established by the Board of Governors of Trent University to be awarded to visa students in any undergraduate year with satisfactory academic standing and who can demonstrate financial need.

The Walling Corporation Bursary

Established by the Walling Corporation of Lindsay, these bursaries will be awarded annually to students majoring in business or environmental studies, based on financial need as well as fitness/health and community involvement.

The Foundation aims to provide assistance for students near graduation who cannot complete their year owing to a sudden personal emergency.

Scholarships and Prizes

Scholarships

The University has a full and diverse scholarship program designed to foster and reward high academic achievement among its students. Funding for the program comes not only from the University itself, but also from the many private donors whose generosity has created a wide range of endowed scholarships and prizes.

Trent University offers both entrance and in-course scholarships. All new students entering the University are automatically considered for entrance scholarships. No separate application for any major scholarship is required, with the exception of the Champlain Scholarship. Likewise, no separate application is required for in-course scholarships, since all continuing Trent students are automatically considered for such scholarships, normally upon completion of each sequence of five full courses or equivalent.

Trent University's most prestigious scholarship, the Champlain Scholarship, is a renewable scholarship awarded to a new student entering the first year of study who has displayed exceptional academic and extra-curricular achievement and is likely to make a significant contribution to the life of the University. Students must apply for the Champlain Scholarship.

All University scholarships may be held in conjunction with scholarships awarded by outside agencies when their conditions permit. However, a student may not receive funds from more than one major Trent University scholarship in an academic year. Holders of renewable scholarships must maintain a minimum average of 80% in a sequence of five full courses in order for their scholarship to be renewed. The University endeavours to provide all scholarship holders, including those from the Peterborough area, with places in residence if they wish them.

The Bata Scholarship

This scholarship is the gift of Thomas J. Bata, one of the original honorary sponsors of the University and a member of the Board of Governors.

Biology Department Scholarship

This scholarship is awarded annually to a student, entering the third or fourth year of the Biology Program, with high academic achievement and promise.

The B.P. Canada Science Scholarship
This scholarship, the gift of B.P. Canada is awarded annually to an entering or in-course student who has demonstrated academic excellence in the physical sciences.

Julian Blackburn College Principal's Scholarship

A tuition-based scholarship to be awarded to a student who is enrolled in the part-time credit program, who has completed at least five full courses or the equivalent as a part-time student at Trent and who has demonstrated high overall academic achievement.

Maurice Boote Scholarship

This scholarship, established in honour of Maurice J. Boote, one of the founding faculty members of Trent University and the first chair of the Department of Economics, is awarded annually to an outstanding student entering the fourth quarter of the Economics program.

Winifred Elizabeth Burton Scholarship

This scholarship of the value of \$1,000 is awarded annually to an outstanding student entering first or a higher year.

The Canadian Tire Corporation Science Scholarship

This scholarship, the gift of the Canadian Tire Corporation Limited of the value of \$1,000, is awarded annually for excellence in science to an entering or in-course student proceeding to a Bachelor of Science degree.

The Anthony Cekota Scholarships

These scholarships were established to honour Anthony Cekota. A self-made man, Mr. Cekota edited and published a chain of magazines and newspapers in his native Czechoslovakia. He also authored several books and papers dealing with problems of industrial management and sociology and continued as a consultant and advisor on industrial relations following his retirement (after 45 years with the Bata Shoe organization). These scholarships are awarded on an annual basis to students demonstrating exceptional academic performance.

The Champlain Scholarship

The Champlain Scholarship is available for an entering first year student of exceptionally high academic achievement and promise. This scholarship covers full tuition fees and, for students living in residence full residence fees. This

scholarship is renewable each year so long as the holder's work is of scholarship standing. New applicants to the University must apply for the Champlain Scholarship.

The Sylvia Cherney Scholarship

The Sylvia Cherney Scholarship, the gift of the late 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 Howard Darling Scholarship

This scholarship, established in honour of Howard Darling, Supervisor, grounds and custodial services, is awarded annually to an upper-year student who has demonstrated excellence in Environmental Sciences/Studies.

The Roscoe F. Downey Scholarship

The scholarship, the gift of the late Roscoe F. Downey of Peterborough, is available to entering students, one from Peterborough County and one from Victoria County.

William Paxton Eastwood Scholarship

The gift of the late William Paxton Eastwood, a former citizen of Peterborough and Ocala, Florida, is awarded in recognition of academic excellence.

The Roy L. Edwards Scholarship

This scholarship, established in honour of Roy L. Edwards, one of the founding faculty members of Trent University and the first chair of the Department of Biology is awarded annually to an outstanding biology student entering the fourth quarter of the Biology Program, with the aim of encouraging promise and interest in the study of freshwater ecology.

The Ewing Memorial Scholarships and Honours Awards

Several awards are available each year for students entering the University and for Honours students undertaking a fourth year of study. These scholarships are the gift of the late C.W. Ewing, a native of Warkworth, Ontario.

Faculty Scholarship

A scholarship, the gift of a member of the founding academic staff of Trent University, is available to an entering student living in residence.

The Reginald R. Faryon Scholarships

These scholarships, the gift of 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.

The Eugene Forsey Scholarships

These scholarships are named in honour of Senator Eugene Forsey, a former Chancellor of the University and a member of the Board of Governors for 10 years. The scholarships are awarded annually to outstanding students proceeding toward a degree in Administrative Studies.

Robert M. Fowler Scholarship

This scholarship is a gift of the Quaker Oats Company of Canada in memory of the late Robert M. Fowler a former member of the Board of Directors of Quaker Oats and of the Board of Governors of Trent University. The scholarship is awarded annually to students in the Administrative Studies Program and to other students undertaking policy studies in other appropriate university departments.

The Rufus Gibbs Scholarships

These scholarships, the gift of the late Rufus C. Gibbs, 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

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

The Hector and Geraldine Elizabeth Gray Scholarship

This scholarship, the gift of the late Hector and Geraldine Elizabeth Gray, is awarded annually to students entering the third year of an arts program.

The Brian Heeny Scholarship

Established as a memorial by his family friends and colleagues, this renewable scholarship covers half the cost of tuition, residence and miscellaneous fees and will be awarded annually to an outstanding student entering first year. A room is reserved in Champlain College for the scholar.

The Heritage Scholarship

This scholarship honours the Curtis and Milburn families, both of whom were very early settlers of the Peterborough area and have contributed continuously to its development. The scholarship is awarded annually to an outstanding student entering the final year of Honours in English.

The Howson Scholarship

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

The Imasco Scholarship

These scholarships, the gift of Imasco Ltd., are available to students of high academic achievement entering first or higher years in the University.

The Richard B. Johnston Scholarship

A scholarship, donated by the family of Professor Richard B. Johnston of the Department of Anthropology in his memory is awarded to a deserving student in North American archaeology.

The Francis Dean Kerr Scholarship

This 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.

Margaret Laurence Scholarship

This scholarship, named in honour of the late Margaret Laurence, a former Chancellor of the University, is awarded annually for outstanding achievement in the fields of Canadian literature or Canadian studies.

The Lodge Physics Scholarship

This scholarship, named in honour of the founding chair of the Department of Physics, is awarded annually to the student with the highest grade in the introductory Physics course who is continuing in a program which leads to a single- or joint-major in Physics, or who is continuing in the Chemical Physics Program and enrolled in at least one Physics course at an advanced level.

The Dr. Ross Matthews Scholarship

This scholarship, established in honour of the late Dr. Ross Matthews, is awarded annually to an entering student for demonstrated academic excellence.

The Ralph McEwen Scholarship

These scholarships, established in honour of the late Ralph McEwen are awarded annually to students who are undertaking courses in Canadian literature or Canadian social history.

The William Allan Newell Scholarship

This scholarship, the gift of the late Judson Newell of Prescott, named in honour of his father, the chairman and founder of the Newell Manufacturing Co., Ltd., is available to an entering student proceeding to the degree of Bachelor of Science.

The Robert J.D. Page Scholarship in Environmental and Resource Studies

This scholarship, established by Dr. Robert J.D. Page who was associated with the ERS Program from its beginning, is to be awarded annually to a student entering fourth year who best combines academic achievement and public environmental service.

Peter L. Roach Scholarship

This scholarship was established in honour of Peter L. Roach, Director of Education from 1975 to 1992 in recognition of his years of service to the Peterborough Victoria Northumberland and Newcastle Roman Catholic Separate School Board. In selecting the recipient, priority will be given to a student who has studied in the P.V.N.N. Separate School system. The funding for this scholarship was provided by the employees of the P.V.N.N. Separate School Board through the For Tomorrow Campaign and the friends and associates of Mr. Peter Roach.

The J.J. Robinette Scholarships

These scholarships were established by friends and colleagues to honour the 60th anniversary of Dr. J.J. Robinette's call to the Bar. He was a member of the first Board of Governors of Trent University and Chancellor from 1984 to 1987.

The Peter Robinson Scholarship

This scholarship, of the value of \$1,000, is awarded to a graduate of a Peterborough City or County secondary school on the basis of high scholastic merit.

The Peterborough Examiner Scholarship

This scholarship, the gift of the Peterborough Examiner Co. Ltd., is available to an outstanding student entering first or a higher year and living in residence.

The Helen and Barney Sandwell Scholarship

This scholarship, the gift of the distinguished Canadian publisher, B.D. Sandwell, a long-time member of the Trent Board, and its chair from 1971 to 1975, and of his wife, Helen, is awarded annually to an outstanding student majoring in English Literature entering the third year of a degree program in English.

The Katherine E. Scott Scholarship

This scholarship, the gift of the late Dr. C.M. Scott of Peterborough, is named in honour of his late wife.

The William Bligh Shaw Scholarship

This scholarship, the gift of Muriel Beatrice Shaw, is awarded annually to an outstanding student entering the first year of the Administrative Studies Program.

The H. Clare Sootheran Scholarship

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

The Ian Stonehewer Memorial Scholarship

Named in honour of Ian Stonehewer B.A. Honours 1975, this scholarship, the gift of Mr. and Mrs. John Stonehewer, is awarded annually for excellence to a student entering fourth year of an Honours History program. The value of the scholarship is determined annually.

The Carolyn Sarah Thomson Scholarship

This scholarship was established by the late Carolyn Sarah Thomson, a Trent alumna who was intensely loyal to Trent and to the people-faculty, staff and students, who make the University so unique. This scholarship of \$1,000, is awarded annually for excellence to a student entering the third year of the Canadian Studies Program.

Town of Lindsay Scholarship

Established by the Corporation of the Town of Lindsay, to be awarded to an

entering student of high academic achievement from the Town of Lindsay, who has also demonstrated peer leadership in the school setting and involvement in community affairs.

The James G. Wharry Scholarship

This scholarship, a gift of the Quaker Oats Company of Canada, equal in value to full tuition for the fourth year, is awarded annually for excellence to a student or students entering the fourth year of the Canadian Studies Program.

The Trent University S & A Scholarship

The employees of Trent University have donated two \$500 scholarships to be awarded annually to students from the Peterborough and Victoria County and Separate Boards of Education for academic standing and all-round achievement and character.

The Trent University Scholarship

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

City of Trenton Scholarship

This scholarship, established by the Corporation of the City of Trenton, is awarded to an entering student from the city of Trenton.

Twenty-fifth Anniversary Scholarships

These scholarships were established to commemorate Trent's anniversary. These renewable scholarships cover full tuition and are awarded to entering students.

The David and Joyce Woods Graduate Scholarship

This scholarship, to honour David M. Woods, chair of the Board of Governors of Trent University from 1975 to 1980, and his wife, Joyce Woods, has been established by their children and friends and is to be awarded to a student in the Watershed Ecosystems Graduate Program. This is the first graduate scholarship to be established at the University.

Externally Awarded Scholarships

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

Trent University is grateful for the generous donations which will allow the following scholarship to be awarded in the near future:

Binney and Smith Scholarship

Established by Binney & Smith (Canada) Ltd. of Lindsay, manufacturers of Crayola Products, to be awarded to students in the Trent-Queen's Teacher Education Program.

Prizes

Governor-General's Medals

The gold medal is awarded to the graduate student with the highest standing on graduation and the silver medal is awarded to the fourth-year student with the highest standing on graduation.

President Symons Medals

The Symons 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 the Honours program who achieve high overall standing on graduation.

Professor Gilbert Bagnani Medals

The Professor Gilbert Bagnani Medals were established in 1986 to honour the late Professor Gilbert Bagnani, one of the founding faculty members of Trent University. The medals are awarded to graduating students in the General program who achieve high overall standing.

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.

Anthropology Society Prize

This prize is awarded to the most outstanding *Anthropology 100* student on the basis of tutorial work and overall marks.

Sir Donald Banks Prize

This prize, the gift of Professor D.L. Smith, in memory of her father is awarded annually to a promising student in Spanish planning to participate in the Year Abroad in Granada Program.

Bruce Barrett Memorial Prizes

In memory of Bruce Barrett, a former Trent Philosophy student, several prizes are awarded annually to outstanding students in first-year courses in Philosophy. Approximate value \$100.

Bigwin Award

This prize is awarded on behalf of Elizabeth Bigwin to an aboriginal student in *Native Studies 260* who not only demonstrates academic excellence, but also contributes to the well-being of the community at Trent or the community at large.

Department of Biology Prizes

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

Gordon Campbell Memorial Award

In memory of Gordon Campbell, a former Trent Geography student, one award of \$500 is given annually to a third- or fourth-year undergraduate student in a single- or joint-major program in Geography with a demonstrated and continuing interest in the Canadian North.

Canadian Association of Geographers' Undergraduate Award

This award, presented by the Canadian Association of Geographers, is offered each year to the Honours Geography student at Trent who is judged to have the best academic record in fourth year.

Donald Chase Memorial Prize

This prize, in memory of Donald Chase, a Trent student in 1989, is awarded annually for the best essay in Canadian history written by a first-year undergraduate at Trent.

Comparative Development Prizes

The prizes are awarded annually to students with the highest overall standing in the 200, 300 and 400 level central core courses in Comparative Development Studies.

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.

CRC Press Freshman Chemistry Achievement Award

This prize is a gift of a copy of the CRC Handbook of Chemistry and Physics from the CRC Press Inc., and is awarded to a

student at the end of first year on the basis of outstanding academic achievement in Chemistry.

James Creery Memorial Essay Prize

This prize, in memory of James Harold Creery, a Trent student of Philosophy in 1972-74, is awarded annually for the best philosophical essay written by an undergraduate at Trent.

The Cultural Studies Faculty Prize

The Faculty Prize was established in 1988 through contributions from the Cultural Studies faculty. It is awarded to a Cultural Studies major or joint-major for the best essay of a critical or theoretical nature related to the subject areas of the Cultural Studies Program submitted to a juried competition held annually by the program. Value \$300.

Currie Honours Awards

These awards are presented in advance to two students enrolled in *Geography 401* or *402* in the Winter session on the basis of both academic achievement and proposed thesis research. They are valued at \$500 each, but under special circumstances three awards of \$333 each may be made.

The Digital Equipment of Canada Award

This award is presented to the student with the highest grades in Computer Studies at Trent University.

The J. Emmett Duff Memorial Prize in Geography

This prize, the gift of Professor T.H.B. Symons and Celanese Canada Inc., and John D. Stevenson Q.C. was established in memory of the late J. Emmett Duff, who, without formal training in the subject, was possessed of an intense love of traditional geography. It is awarded to a student who attains a standing of at least 70% in *Geography 411b* and who best epitomizes the spirit of cartophilia.

Embassy of Spain Prize in Hispanic Studies

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

Department of English Literature Book Prize

This prize is awarded to the best student graduating from the Honours English Program.

Department of English Literature Prize

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

Environmental and Resource Studies Program Prize

This prize, a gift of the ERS program, is awarded annually to a first-year student achieving the highest academic standard in the first-year ERS course.

Essay Prize in Honours Economics

This prize, the gift of the Department of Economics, is awarded each year to an honours student submitting the most outstanding essay in *Economics* 490.

The Marjorie Elizabeth Foster Prize

This prize, given in memory of Marjorie Elizabeth Foster, is awarded to the student who writes the best essay or research project in historical geography in a particular year in any Geography course.

French Studies Staff Prizes

These prizes are offered by members of the French Studies section to outstanding students of first-year French Studies.

French Studies Staff Prize (Nantes Program)

This prize is awarded annually by members of the French Studies section to the outstanding participant in the Nantes Year Abroad Program in French Studies.

The Gregory R. Frith Memorial Prize in Cultural Studies

This prize was established in honour of the late Gregory R. Frith, B.A. Honours 1977. It is awarded to a Cultural Studies major or joint-major for the best submission in any of the arts associated with the Cultural Studies Program to a juried competition held annually by the program. Value \$300.

The Honourable Leslie Frost Prize

This prize, the gift of the late Hon. Leslie M. Frost, P.C., Prime Minister of Ontario from 1949 to 1962 and first Chancellor of Trent University, is awarded to the leading undergraduate in the first-year course in Canadian history.

Gadfly Prizes

These prizes are available for award to an outstanding undergraduate in Philosophy in each of the second and third years. The prizes commemorate Socrates' description of himself as one who rouses and reproves

the society in which he lives just as a gadfly awakens a sluggish horse.

Department of Geography Prizes

Awarded in the first and second year to students who show excellence in the study of geography. The second-year prize, known as the Geography alumni prize, is donated by the Trent University Geographical Society using funds contributed by Geography alumni.

Guinand Prize

This prize, in honour of the first chair of the Department of Mathematics, is awarded to a student of high promise in the Mathematics Program, normally on entering the fourth quarter of the Honours program.

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.

Graham Hartley Prize

This award, presented by the Chemical Institute of Canada (Peterborough Section) in honour of Graham Harry Hartley, PH.D., M.C.I.C., is given to first and second year students who have shown excellence in the field of general chemistry.

The Arnold Hyson Prize in Maritime Studies

This prize is awarded to the student with the most outstanding research paper in *Canadian Studies-History* 307.

The David Sutherland Irwin Prize

Established in memory of the late Professor David Irwin, this prize is awarded on completion of *Chemistry-Biology* 330 to a student with outstanding performance in Biochemistry.

The Richard B. Johnston Memorial Prize

A prize, donated by the family of Professor Richard B. Johnston of the Department of Anthropology in his memory is awarded to a deserving student in Ontario archaeology.

The K.E. Kidd Awards in Native Studies

These prizes are awarded each year to graduating students who have demonstrated the highest degree of ability

and achievement in the Diploma Program of the Department of Native Studies.

F. Alan Lawson Memorial Prize

Sponsored by the Central Ontario Chartered Accountants Association, this award is made annually to the student majoring in the Administrative Studies Program, who achieves the highest combined mark in fundamentals of financial accounting and fundamentals of management accounting (*Administration 201a* and *202b*).

Robert Lightbody Prize

This prize was established by the Alumni Association to honour the contributions to the University of alumnus Robert Lightbody, a member of Trent's first class. It is awarded annually to an upper-year Peter Robinson College student.

The Helen E. MacNaughton Prize

This prize is awarded to an outstanding student in Philosophy entering fourth year.

The J. Percy MacNaughton Prize

This prize is awarded to the student achieving the highest academic standing in Environmental and Resource Studies entering fourth year.

The Makhija Prize in Chemistry

This prize, the gift of R & R Laboratories, is awarded to the student with the best overall performance in 300-level courses in Chemistry.

The McColl Turner Prize in Accounting

Presented by McColl Turner, Chartered Accountants, to the leading undergraduate student in *Administration 300*, who intends to pursue a career as a chartered accountant.

David N. McIntyre Conservation Award

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

Jane McLarty Memorial Prize

This prize, given in memory of Jane McLarty, a member of Lady Eaton College from 1987-1990, is awarded annually to a deserving student entering the third or fourth quarter of studies in English Literature.

The Heather J. Glendinning McMurter Memorial Award

This award was established in memory of Heather J. Glendinning McMurter. Heather graduated with a B.Sc. from the Environmental Studies Program in 1988. This award is given to a student who, like Heather, combined academic achievement and public environmental service. Awarded annually to a student entering the fourth year (having completed 15 courses) of Environmental and Resource Studies whose research paper in *ERS 300* or *400* level is judged to be the best of the year.

Midwives' Prize

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

The Norma Miller Essay Prize

Administered jointly by Catharine Parr Traill College and the Department of Classical Studies, these prizes honour the memory of Norma P. Miller, an honorary fellow of Traill and frequent visitor to the Classics department. They are awarded to the best essay in each of two competitions, one in *Classical Literature 100* and the other in Roman history.

Joyce Moonias Memorial Awards

These awards, donated by Frances Six in memory of Joyce Moonias, Native Studies student 1982-83, are offered annually to the student with the highest academic standing in *Native Studies 280* and *380* (Ojibway language).

W.L. Morton Essay Prize in History

Awarded to the second- or third-year student writing the best essay.

National Council for Geographic Education Excellence of Scholarship Award

Awarded to the outstanding graduating Geography major.

The Native Studies Award

These prizes, in memory of Harvey G. Greene of Peterborough, are awarded to outstanding students in Native Studies.

The Organic Chemistry Prize

Awarded annually to a student who has demonstrated substantial improvement in the field of organic chemistry, normally on completion of *Chemistry 310*.

Peace Hills Trust Prize

The Peace Hills Trust Prize of \$500 will be awarded annually to the top aboriginal student, in terms of academic achievement, completing the second year of the Special Emphasis Program in Native Management and Economic Development.

Peterborough Historical Atlas Foundation Prize

This prize is to be awarded to the undergraduate whose essay or project on a Canadian subject is deemed outstanding. An interdisciplinary panel will select the winner from the entries submitted by faculty in appropriate disciplines.

Peterborough Professional Engineers Wives' Association Prize

This prize, a gift of the association is awarded to an undergraduate who shows excellence in *two-hundred* series courses in Physics or Chemistry.

John Pettigrew Prizes

These prizes, established in memory of the late Professor John Pettigrew, are awarded annually for the best student essays submitted in each first-year English course.

Department of Physics Prize

This prize, a gift of the Department of Physics, is awarded to the student achieving the highest academic standing in the first-year Physics course.

The Andrew Priestman Memorial Prize in Political Studies

This book prize was established in honour of the late Andrew Priestman, Honours B.A. 1991. It is awarded annually to a graduating student in Political Studies who has maintained a solid academic achievement and made an above-average contribution to student life and the activities of the Political Studies Department. Students and faculty are encouraged to make nominations.

The R & R Laboratories Prize in Analytical Chemistry

This prize, the gift of R & R Laboratories, is awarded to a student with outstanding performance in analytical chemistry on completion of a 300-level course in chemical analysis.

The Denis Smith Essay Prize

This prize, the gift of the Department of Political Studies, is awarded each year to a fourth-year student submitting an outstanding Politics essay.

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 first-year Mathematics.

J.J. Robinette Prize

The J.J. Robinette Prize is awarded in honour of Dr. John J. Robinette, an eminent constitutional and criminal lawyer, and Trent University's fifth Chancellor. The prize is awarded to the scholastically outstanding graduate of Trent University in any year who undertakes the study of law at another Canadian university.

John Rymes Book Award

The book prize is awarded by the senior tutor of Champlain College to a student of the college who has benefitted most from a Trent University education.

J. Paul Scott Jr. Memorial Prize

Established in memory of J. Paul Scott Jr., to be awarded to a deserving student enrolled in *Psychology 401* or *402* (Honours thesis).

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 from 1854 to 1861, Postmaster General of the United Province of Canada from 1858 to 1862, and elected Member of the Legislative Council 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.

The Society of Chemical Industry Student Merit Award

This award is given to the student having the highest standing in the final year of his or her course. The student must have a minimum average of 75% and have completed the course in the normal number of years.

The Society of Management Accountants Prize

This prize is awarded to the student proceeding to fourth year in the Administrative Studies Program who has achieved the highest overall standing in all accounting subjects.

The Norman Townsend Prize in Anthropology

An annual award, in memory of the late Professor Norman Townsend, presented by the Department of Anthropology on the basis of high academic standing to a student pursuing studies in cultural anthropology.

Harold F. VanDusen Prize

This prize in Economics is awarded annually to the student completing the third quarter of the Honours program who has demonstrated exceptional promise and enthusiasm for the study and dissemination of the principles and practices of economics.

Rodney F. White Prize

Two prizes of \$100 each are awarded annually by the Department of Sociology to majors who demonstrate excellence in the study of sociology.

Symons Essay Prizes in Canadian Studies

These prizes were established through a gift from T.H.B. Symons, the founding president of Trent University, to recognize excellence in performance in courses of the Canadian Studies Program. Three prizes are awarded annually for outstanding essays in second-, third- and fourth-year courses.

Trent Alumni Summer Session Prizes

These two prizes, the gift of the Trent University Alumni Association, are awarded annually for outstanding academic achievement by Julian Blackburn College students in the on-campus and the Oshawa Summer session (including intersession).

Trent Science Fair Award

This award of the value of \$100 to be applied against first-year tuition fees, is offered to a senior secondary school student whose project is judged outstanding at the annual Peterborough Regional Science Fair.

Alan Wilson Prize in History

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

Women's Studies Book Prize

This prize, the gift of the Peterborough Women's Committee, will be awarded annually based on academic achievement as well as contributions to the vitality of the program.

College Prizes

Catharine Parr Traill College Scholar

The title of College Scholar is conferred upon the student in his or her graduating year who has achieved academic excellence and who has also made an all-round contribution to the college.

Catharine Parr Traill College Principal's Prize

This prize is awarded to the Catharine Parr Traill College student with the best academic performance in the freshman year.

Champlain College Master's Prize

The prize is awarded to the graduating student of the college with the highest overall standing in fourth quarter, Honours.

Champlain College Fellows' Prize

The prize is awarded to the graduating student of the college with the highest overall average in the third quarter, General.

Champlain College Senior Tutor's Prize

Awarded annually to the Champlain College student who has achieved the highest average at mid-year.

Christopher Greene Award

Awarded annually in honour of Christopher Greene, former senior tutor of Champlain College, to a graduating student within the college who has demonstrated considerable academic improvement while studying at Trent University.

Lady Eaton College Fellows' Prize

An award given by the Fellows of Lady Eaton College to a graduating student of the college for academic excellence over his or her university career.



The McCalla-Standen Award

This award, in honour of two former principals of Lady Eaton College, is presented annually to a first-year student of the college who has most distinguished him/herself through contribution to the college, the University, or the wider community while maintaining a good academic average.

The Marjory Seeley Prizes

Up to three prizes are awarded annually in honour of the first Principal of Lady Eaton College to students of the college, who have distinguished themselves in sports, academics, student government, or college committees, or who have contributed to the college in such a way as to enrich its life.

Otonabee College Prize

This prize is awarded to the Otonabee College student who has achieved the highest accumulative average in the first three years of a General or Honours program, and is on the Dean's Honours List at the end of the third year.

Otonabee College Senior Common Room Prize

This prize is awarded to the Otonabee College student with the best academic performance in the freshman year.

The John Stubbs Prize

Created as a tribute to Trent University's fourth President, the prize is awarded by the senior tutor to the full-time undergraduate student member of Otonabee College with the highest average at mid-year.

The Eileen Gallagher Otonabee College Spirit Award

This prize, the gift of alumni, friends and family (and companion to the Scott Rennie Award) is awarded to a deserving female Otonabee College member.

The Scott Rennie Otonabee College Spirit Award

This prize, the gift of alumni, friends and family (and companion to the Eileen Gallagher Award) is awarded to a deserving male Otonabee College member.

Julian Blackburn College Student Association Prizes

These prizes are awarded to Julian Blackburn College students with overall academic excellence and involvement in University, college and/or community affairs.

Academic Regulations

Admissions

Application and Admission Procedures for Full-time Studies

Students currently in the Ontario school system should apply to Trent University on the forms developed by the Ontario Universities' Application Centre. These forms are available through the secondary schools and should be completed according to accompanying instructions.

By agreement among the universities, current Ontario secondary school candidates are notified of acceptance on an agreed upon date in mid-June. Other applicants, including those who complete their secondary school studies in January, may have their applications considered as soon as documentation is complete.

Candidates for admission from outside Ontario, or who are not currently in an Ontario secondary school, may obtain forms from the Registrar's Office. Applicants must submit official transcripts to the University, or certified copies thereof, showing their standing in each subject. Documents submitted for this purpose become the property of the University and will not be returned.

All applicants are required to declare their intention to pursue either a four-year Honours or three-year General program as part of the admission process.

Candidates for admission may be asked to attend an interview with the Committee on Admissions and Scholarships. They will be notified of the University's decision concerning their applications as early as possible, within limits of the intra-university agreement cited above.



Normal Admission Requirements

Ontario Secondary School 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 Ontario secondary school program. An applicant is required to have the Ontario Secondary School Diploma (OSSD) including a minimum of six Ontario Academic Credits (OACs); or equivalent qualifications from other provinces or countries. For admission consideration, the *minimum* overall average required on six Ontario Academic Credits is 60%. *However, because of enrolment limitations, applicants presenting the best qualifications will be given preference.*

No minimum number of years taken to achieve this standing is specified. Although the length of time taken by an applicant to complete the Ontario Secondary School Diploma will not in itself be a determining factor in the admission decision, applicants who have spent more than five years in secondary school may be required to present a higher level of achievement.

Applicants must present OACs in a minimum of four different subject areas, including an unspecified OAC in English. English OAC 1 is highly recommended, particularly for applicants to programs in the Humanities and Social Sciences.

Specific Program Course Prerequisites

Administrative Studies

Grade 12 Advanced Math is required for admission to the Bachelor of Administrative Studies degree program. OAC Calculus or equivalent is required for the completion of the degree. OAC Finite will not satisfy this exit requirement.

Biology

OAC Biology is strongly recommended. Students may major in biology without OAC Biology. Refer to the Biology section of the Calendar for further information.

Chemistry

OAC Chemistry, OAC Calculus and OAC Physics are strongly recommended for chemistry majors.

Environmental and Resource Studies

OAC Chemistry, OAC Calculus, and OAC Biology are recommended for the B.Sc. option. A student who has taken Grade 12 Environmental Science in Ontario or the equivalent elsewhere may opt to write a test during introductory week, for which a grade of 60% will result in exemption from *ES 100*, but will not alter the minimum required number of ERS courses.

Mathematics

OAC Calculus with a minimum 60% or successful completion of Trent's *Mathematics 100* is required to major in Mathematics. OAC Algebra is strongly recommended.

Physics

OAC Calculus or OAC Algebra is required to enrol in *Physics 100* at Trent. OAC Calculus and OAC Physics are strongly recommended.

For more detailed program requirements please consult the appropriate section of the Calendar.

Equivalents to Ontario Secondary School Requirements

Alberta, British Columbia, Manitoba, New Brunswick, Newfoundland, Northwest Territories, Nova Scotia, Prince Edward Island, Saskatchewan, Yukon-Grade 12. Quebec-Completion of year one of a CEGEP program or equivalent.

England and Wales, West Indies, East and West Africa, Hong Kong-General Certificate of Education (or equivalent) with (a) passes in at least five subjects, two of which must be advanced level, or (b) passes in four subjects of which three must be advanced level.

Advanced standing may be considered for appropriate advanced level subjects with C grades or better.

International Baccalaureate (IB). Completion of the IB Diploma with at least six subjects (three of which must be at the higher level) with a minimum grade total of 28 on final grades. Advanced standing may be considered for appropriate subjects at the higher level with grades of 5 or better.

USA-High School Graduation Diploma. Applicants are required to submit College Entrance Examination Board scores and a letter of reference from a high school

teacher or counsellor.

For those countries not listed, written requests regarding admission requirements may be directed to the Registrar's Office.

Possession of the minimum requirements does not guarantee admission.

University Transfers

Candidates wishing to transfer from another university to the full-time studies program must apply through the Ontario Universities' Application Centre (OUAC). Successful candidates who are admitted will automatically be considered for advanced standing. Refer to the Advanced Standing section of this Calendar for further details.

Students will not be accepted for transfer from another university during a period in which they have been suspended, debarred, or are otherwise ineligible for re-admission to their home university.

Colleges of Applied Arts and Technology

Candidates who have completed a two- or three-year diploma with standing acceptable to the University will be considered for admission. Those admitted with appropriate academic courses and standing in completed three-year diploma programs may receive advanced standing for up to five courses. Candidates admitted with appropriate academic courses and standing in completed two-year diploma programs may receive advanced standing for up to three courses. Applicants are asked to write to the Registrar's Office for specific information.

Possession of the minimum requirements does not guarantee admission.

Bible Colleges

Candidates transferring from Bible colleges accredited by the American Association of Bible Colleges may receive advanced standing for up to five credits depending on the nature and number of courses taken at Bible college and the grades obtained. Each case will be assessed on an individual basis; however, no credits below a grade of B- will be deemed acceptable for transfer. The candidate seeking to exercise this option must submit course outlines for the courses for which credit is sought.

Possession of the minimum requirements does not guarantee admission.

Students from areas other than those listed above should submit full details and academic documents to the Registrar's Office for evaluation.

English Language Proficiency

Candidates from areas where English is not the language of instruction will be required to provide evidence of a knowledge of English sufficient to enable them to profit from their university studies. All such international students must write the Test of English as a Foreign Language (TOEFL) and obtain a minimum score of 550; or alternatively, write the Michigan English Language Assessment Battery (MELAB) test and obtain an overall score of 85.

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. Applicants may apply as mature students if they are at least 21 years of age and have been out of a full-time educational program for a minimum of two years. Maturity, motivation, and experience will be taken into account. Any candidate who wishes to apply for admission and who does not possess the normal requirements should write to the Registrar's Office, outlining academic qualifications experience and the grounds on which admission is requested. In some instances, the Committee on Admissions and Scholarships may require the applicant to be present for an interview. Mature student applicants normally are considered for admission to the part-time program. In exceptional cases, mature candidates may be considered for admission to the full-time program.

Part-time Studies

Candidates considering a program of part-time studies are subject to the same admission requirements as those applying to full-time studies. However, application is made directly to Trent University on the form available in the appropriate part-time studies session brochure. Refer to the

Julian Blackburn College for Continuing Education section of the Calendar for information regarding the different entry points for part-time applicants.

Transferring from Part-time to Full-time Studies

Part-time students must apply to the Registrar's Office on the Early Registration Form by the required submission date if they wish to transfer to full-time status for the next Fall/Winter session. The minimum requirements to transfer to full-time studies include a current academic status of 'eligible to proceed' and a cumulative average of 65% or higher over three or more courses completed for credit. Students placed on probation will not normally be considered for admission or re-admission to the full-time program.

The Committee on Admissions and Scholarships considers all applications following review of final marks. Notifications are mailed to students with their grade reports in mid-June.

Possession of the minimum requirements does not guarantee admission to full-time studies.

Re-admission

Students who have not completed a course at Trent during the previous 12-month period must apply for re-admission. The deadlines for submitting an application for re-admission are the same as those for admission.

The minimum requirements for re-admission to full-time studies include a current academic status of 'eligible to proceed' and a cumulative average of 65% or higher over three or more courses completed for credit. Applicants who do not meet these requirements will be considered for re-admission to part-time studies. Applicants whose previous academic standing is 'probation' may be limited to one course.

Applicants who have completed fewer than three full course equivalents for credit will be considered for re-admission to full-time studies on an individual basis based upon the same criteria used for new applicants to Trent University.

Applicants for re-admission, who have previously been rusticated or debarred, are required to provide a letter with their application indicating the grounds on which re-admission is requested. In some instances, the Committee on Admissions and Scholarships may require the applicant to be present for an interview.

Students who have graduated with a General (three-year) degree and wish to pursue an Honours degree must apply for re-admission to the University. Enrolment limits may determine the number of available spaces. Students who are re-admitted and meet the requirements for continuation in an Honours program will be eligible to enter the fourth quarter to pursue a single- or joint-major program *provided* at least one of the majors for their Honours program is either the same as the single-major or one of the joint-majors from the General degree.

Students who have graduated with a General (three-year) degree and are permitted to pursue a General or Honours degree in a single- or joint-major which does *not* incorporate the single, or at least one of the joint-majors from the previous degree, will be deemed to be pursuing a second undergraduate degree and should refer to 'Second Degree' in the Admissions section of the Calendar.

Possession of the minimum requirements does not guarantee admission to full-time studies.

Second Degree

Students wishing to pursue a second B.A. or B.Sc. must formally apply for re-admission to the second degree program. All such applications will be considered by the Committee on Admissions and Scholarships as part of the normal re-admission process. If the student elects to pursue a General degree, up to 7.5 full-courses from the first degree program may be credited to the second program. If the student elects to pursue an Honours degree, up to 10 full courses from the first degree may be credited to the second program. The maximum number of credits that may be credited from the first degree program to the second program must not exceed half of the degree requirements. Students are required to declare their intentions to pursue either a General or an Honours degree upon admission to the second degree program.

Refusal of Admission

The University reserves the right to refuse admission to any candidate.

The University also reserves the right to refuse re-admission to candidates who have not achieved an acceptable academic standing as determined annually by the Committee on Admissions and Scholarships.

Application Deadlines

Applicants are encouraged to apply early. Applications and supporting documentation must be received by the appropriate deadline for admission consideration. Teacher Education applications and documents must be received by April 15. All other full-time applications and documents must be received by June 15.

Part-time students applying for transfer to full-time studies are required to do so on the Early Registration Form by the required submission date in early April. Applicants should refer to the University Diary for all other application deadlines.

Advanced Standing

1. General University Policy

Students transferring into Trent from other post-secondary institutions may receive credit for work satisfactorily completed at the sole discretion of Trent University, in conformance with criteria established by the Senate of Trent University.

Advanced standing will be assessed by the Committee on Admissions and Scholarships prior to the student's admission to the University. Specific course equivalencies will be determined by the Committee on Admissions and Scholarships in consultation with academic department/program chairs, following the student's acceptance of an offer of admission.

Advanced standing will be granted only if that course is not needed to qualify for admission. If the course in question constitutes part of admission requirements, prerequisite standing only can be granted. Prerequisite status in a discipline means that the Trent prerequisite will be waived to enable the student to go on to more advanced work in that discipline, instead of having to repeat

subject matter satisfactorily completed at another institution.

2. Transfers from an Ontario University

Trent University subscribes to the following general policy on the transfer of course credits, as adopted by the Council of Ontario Universities:

Acceptance of transfer credits among Ontario universities shall be based on the recognition that, while learning experiences may differ in a variety of ways, their substance may be essentially equivalent in terms of their content and rigour. Insofar as possible, acceptance of transfer should allow for the maximum recognition of previous learning experience in university-level courses.

Subject to degree, grade and program requirements, any course offered for credit by one university shall be accepted for credit by another Ontario university when there is an essential equivalency in course content.

Applicants wishing further information about transfer from another university should contact the Registrar's Office.

3. Degree Regulations re: Transfer Credits

Eligible students will be assessed for transfer credits for both the Honours and General degree programs. A maximum of 7.5 full-course equivalents may be credited towards a General degree. A maximum of 10 full-course equivalents may be credited towards an Honours degree. The maximum number of non-Trent courses that may be counted toward either Trent degree must not exceed half of the degree requirements.

In exceptional circumstances, students with high standing at another university, applying for entrance to the final quarter of the Honours program, may be given transfer credit for up to 15 full courses.

The last five courses of a degree program should be completed at Trent. *Three-hundred and four-hundred* level course credits in major(s) obtained at another university may be accepted for credit at Trent. However, individual departments may require that all or most of the courses at these levels be taken at Trent.

Unassigned credits 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 Trent. Not more than three courses at the first-year level may be unassigned.

Any questions regarding advanced standing must be forwarded to the Registrar's Office in writing by the end of the third week of classes in the Fall term. Advanced standing is determined in accordance with the policies and regulations effective at the time the admission decision is made. Subsequent changes to policies and regulations will not affect previously determined advanced standing assessment; transfer credits will not be re-evaluated.

Registration

1. Academic Adviser

Each full-time student is assigned an academic adviser. Ultimate responsibility for course selection and conformance to the academic regulations of the University does rest with the student, but the adviser can assist on matters of course selection, academic regulations, the selection of majors, university deadlines, etc. Students are advised to make maximum use of their adviser in planning their university program.

2. New Full-time Students

New full-time students who have been offered and who have accepted admission to the University will register in person during the Introductory Seminar Week, the week prior to the beginning of classes in September. This is intended to introduce new students to university life at Trent and to complete registration.

During the Introductory Seminar Week students have an opportunity to attend lectures and information sessions in many disciplines and to consult their academic advisers before registering in their courses. In addition, college committees plan a varied program of athletic and social events for the week in order to facilitate new students' integration into both their colleges and the University as a whole.

It is hoped that each student will take full advantage of the opportunities provided to become familiar with the courses offered, the services and the facilities available, and the workings of the University and college system.

Refer to the *Student Guide to September Registration* for further details about the registration process for full-time new and re-admit students.

Please note that late registrants will be charged an incremental late fee, based

upon the date that the registration form is received by the Registrar's Office.

3. Early Registration for Continuing Students

In order to facilitate academic planning, continuing students intending to study at the University in the following Fall/Winter session, are required to early register. Early registration ensures equal access to limited enrolment courses for all continuing students. Students are required to obtain appropriate departmental authorization for courses (where required); consult with their academic adviser; and, submit a completed Early Registration form to the Registrar's Office by the required submission date. Students are required to register in all half-courses whether offered in the Fall or Winter terms by this date. Students submitting the Early Registration form after this date will incur a minimum \$50 late fee for part-time and a minimum \$100 late fee for full-time.

An Early Registration Status/Change form and Fee Payment Commitment form will be mailed to students with their final grades in June. Course changes may be made by submitting the change form (with appropriate departmental authorization) to the Registrar's Office by the end of August. Changes may be made in September by completing an official Course Change form.

Completion of Early Registration

Official registration is complete when the student has submitted an Early Registration form and forwarded the Fee Payment Commitment form with first instalment of fees (or evidence of external financial support) to Financial Services.

Failure to complete this requirement by August 15th will result in cancellation of all early registration courses and college residence assignment.

Students, who have had their early registration cancelled and wish to continue studies, must contact the Registrar's Office for details on how to proceed with registration. Payment of fees or deposits, related to tuition or residence, does not obviate the need to comply with deadlines and procedures related to registration.

Refer to the *Student Guide to Early Registration* and also to the Fees section of the Calendar under "Ineligibility to Return for Financial Reasons" for further details about the registration process for continuing students.

4. Registration for New and Re-admit Part-Time Students

Registration for new and re-admit part-time students is conducted in person or by mail on application forms available from Julian Blackburn College. Please refer to the part-time summer or Fall/Winter brochures for further details, including deadlines.

Academic Programs and Standings

Academic Programs

Trent University offers the following degree programs:

- Bachelor of Administrative Studies (Honours)
- Bachelor of Arts (Honours)
- Bachelor of Science (Honours)
- Bachelor of Arts (General)
- Bachelor of Science (General)

1. Enrolment Status

Any student registered in 3.5 or more courses is a full-time student. A student registered in three or fewer courses is classified as a part-time student.

2. Changing from Full-time to Part-time Studies

Full-time students who drop to a part-time load during the Fall/Winter session may continue in the full-time program in the following Fall/Winter session as long as their academic status is 'eligible to proceed' at the completion of the current session. Students who have dropped to a part-time load and whose status is probationary at the completion of the Fall/Winter session will not normally be considered for re-admission to the full-time study program.

3. Transferring from Part-time to Full-time Studies

Part-time students must apply on the Early Registration form by the required submission date if they wish to transfer to full-time status for the next Fall/Winter session. Students placed on probation will not normally be considered for admission or re-admission to the full-time program.

The Committee on Admissions and Scholarships considers all applications following review of final marks. Notifications are mailed to students with their grade reports in mid-June. The minimum requirements to transfer to full-

time studies include a current academic status of 'eligible to proceed' and a cumulative average of 65% or higher over three or more courses completed for credit. Students placed on probation will not normally be considered for admission or re-admission to the full-time program.

Possession of the minimum requirements does not guarantee admission to full-time studies.

4. Definition of Full-time/Part-time Course Load

For purposes of defining a full-time load in the Fall/Winter session, an *a* half-course is equivalent to a full-course for the Fall term; a *b* half-course is equivalent to a full-course for the Winter term; a *c* half-course is equivalent to a half-course for the Fall and Winter terms.

The maximum number of full course equivalents a full-time student may take in the Fall/Winter session without overload approval is five. The maximum number of full-course equivalents a part-time student may take in the Fall/Winter session is three. The maximum load a part-time student may take in any term in the Fall/Winter session is three courses.

Specific regulations related to overload for students taking courses in the Spring Program are specified in the Spring Program brochure.

5. Overload Programs

Full-time students who have achieved a 70% average over a minimum of the last five full courses in the most recent Fall/Winter session will be routinely approved for overload by the senior tutor on the Course Change form in September. Full-time students wishing to enrol in more than five full courses or equivalent in the Fall/Winter session, who have not achieved the 70% average, must petition the Committee on Undergraduate Standings and Petitions through the senior tutor of the student's college in September.

Overload approvals cannot be given during the early registration period.

6. Course Changes

Students wishing to change or drop courses must submit Course Change forms to the Registrar's Office. These forms must be signed by the instructor of the course which is being added and by the academic adviser. Part-time students require only the signature of the instructor of the course being added.

Once a student registers in a course a

grade will be assigned in that course unless the student withdraws from the course in writing prior to the deadline for withdrawal.

Deadlines

Deadlines for course changes and withdrawals are listed in the University Diary following the table of contents in this Calendar.

Students are responsible for making sure that all copies of change forms are received at the Registrar's Office by the deadlines stated in the University Diary.

7. Withdrawal from the University

Full-time students wishing to withdraw from the University should obtain an official withdrawal form from their college head. In all cases, the actual date of withdrawal for both financial and academic purposes will be the date the official withdrawal form is received in the Registrar's Office. Part-time students withdrawing from courses must notify the Registrar's Office in writing.

If formal notice of withdrawal is not received, the student will be responsible for financial obligations. Failing grades may also appear on the students official academic record.

8. Retroactive Withdrawal

Retroactive withdrawal may be granted by petition to the Committee on Undergraduate Standings and Petitions (CUSP) when it can be shown that compelling and unforeseen circumstances, which adversely affected the student's work *arose* after the deadline for dropping courses. In such cases the student must show that on the last date for dropping courses he or she would be reasonably certain of a passing mark in the course(s), had these circumstances not intervened. When retroactive withdrawal is requested after the end of an academic session, any such request will apply to all courses in which the student was registered unless it can be shown that the circumstances affected adversely only a particular course or courses. The final dates for receipt of such petitions in the Registrar's Office is March 15 for an *a* half-course, July 15 for a full course or a *b* half-course and September 30 for a Summer session course.

9. Letters of Permission

Students may be permitted to take a limited number of courses at other universities on Letters of Permission. These must be obtained from the

Registrar's Office *before* courses are taken. Letters of Permission are issued under the authority of the Committee on Undergraduate Standings and Petitions. It may be necessary to obtain departmental approval in advance and such approval will be required for all courses in a student's major.

Students wishing to undertake summer courses at another university on a Letter of Permission may not attempt more than two full courses (or equivalent). Students on probation may take only one course at a time on a Letter of Permission.

The maximum number of full courses which may be taken for credit on Letters of Permission is normally five. In the case of transfer students it may be fewer than five, depending on how many transfer credits they have received.

The total number of non-Trent credits may not normally exceed one-half of the total degree requirements. It should also be noted that the last five courses taken by a candidate for a degree should be completed at Trent.

For the Fall/Winter session, requests for Letters of Permission must be received no later than August 11. For the Summer session, requests for Letters of Permission must be received no later than two weeks after Spring Convocation. For all Letters of Permission, one week to 10 days must be allowed for processing. A fee is charged for each Letter of Permission.

10. Study at Foreign Universities

All students wishing to take a full year of study at a foreign university must apply through the Trent International Program and have their plans of study approved by the appropriate academic departments. *A Letter of Permission must be obtained in advance.*

Normally this year of study abroad will constitute the third quarter of an Honours program. A number of departments and programs encourage students to spend a year studying abroad and formal arrangements with foreign universities exist.

Students granted permission to study abroad will be charged an administrative fee and a Letter of Permission fee.

Assessment of Performance

In determining an undergraduate's final standing in each course, the following criteria will be considered:

- (a) oral and written work completed during term;
- (b) any mid-year or other term tests or examinations;
- (c) any final examinations.

At the beginning of each session students will be informed of the method of assessment in each course. Students' attention will also be directed to the course syllabus at the start of each session. This course syllabus may be subject to some modifications as the work of the year progresses. For further information related to the syllabus, students should refer to the Handbook on Assessment of Student Academic Performance.

1. Course Credit

Subject to the regulations concerning academic programs and the maximum number of D grades, students retain credits for every course and every half-course successfully completed. Two half-courses count as the equivalent of one full course. Each full course is equivalent to 3.0 academic credits, each half-course is equivalent to 1.5 academic credits. The student's transcript will show each course and half-course attempted and the grade achieved. Withdrawal from the University without academic penalty will be recorded on the student's transcript.

All Calendar references to D grades and D standing refer to all grades in the D range (50-59).

2. Mid-Year Review

At the beginning of the Winter term, a mid-year progress report summarizing academic performance will be produced for each student. The academic adviser and the senior tutor of the college will also receive copies of this report. Although the reports are useful in assessing a student's progress, they do not represent official grades and mid-year marks will not appear on any formal document.

3. Grades

Prior to June 1982, there were five passing grades, and one failing grade:

A = 100-80	C = 69-60
B+ = 79-76	D = 59-50
B = 75-70	F = 49- 0

Precise numerical equivalents to the above letter grades appear for the 1982-83 Winter session only.

Since June 1982, the following grading scheme has been in effect:

A+ = 100-90	C = 66-63
A = 89-85	C- = 62-60
A- = 84-80	D+ = 59-57
B+ = 79-77	D = 56-53
B = 76-73	D- = 52-50
B- = 72-70	F = 49- 0
C+ = 69-67	

Numerical equivalents appear on students' transcripts.

4. Dean's Honours List

All students who achieve an average of A- (80%) or better over their most recent five courses will have their names placed on the Dean's Honours List. This list is published as a special issue of *Fortnightly* each year. Graduating students who are eligible for the Dean's Honours List will have that fact noted in the convocation program.

5. Supplemental Examinations

There are no supplemental examinations.

6. Examination Regulations

Updated regulations pertaining to tests and examinations and academic assessment have been incorporated into the *Handbook on Assessment of Student Academic Performance*. Copies of the handbook are available from senior tutors at the college offices.

7. Faith Dates/Examination Periods

Students who wish to observe their cultural or religious holidays during the scheduled examination periods should notify the Registrar's Office in writing by Friday, September 29. The Registrar's Office will, wherever possible, incorporate these exceptions into the scheduling of examinations. Where it is not possible to do so, the student should notify the instructor in order to make alternative arrangements.

8. Aegrotat Standing and Incomplete Standing

Requests for special consideration because of illness or misfortune should be made as soon as circumstances arise. In all instances, the student should approach the instructor(s), and requests for extensions or special examinations may be granted. In more serious cases the academic

adviser or senior tutor should be consulted. In certain circumstances, students may appeal for retroactive withdrawal (see the section on Withdrawal), for aegrotat or incomplete standing. Students are advised that all requests for special consideration must be documented fully by medical certificates or other supporting evidence.

Aegrotat Standing exempts the student from writing the final examination in a course, and is granted on the grounds of physical or emotional disability. Students seeking Aegrotat Standing must consult the appropriate instructor(s). Because aegrotat standing depends upon the completion of all required term work throughout the year, it is not appropriate in cases of prolonged illness and is granted only when the student is unable to write the final examination.

Incomplete Standing permits the student to submit any remaining work in a course at a specified date following the end of the academic term. Incomplete Standing will be granted only when a student is unable to complete in the prescribed time the required work in a course for reasons beyond the individual's control, such as illness, physical or emotional disability, or loss or damage to work already done or in progress. Failure by a student to organize the workload will not be considered an adequate reason. Petitions for Incomplete Standing must be made through the academic department concerned and must be accompanied by adequate supporting documentation.

Students with Incomplete Standing from the Fall/Winter session must have the Incomplete resolved by June 30. Students with Incomplete Standing from the Summer session must have the Incomplete resolved by September 30.

A student wishing an extension beyond the final deadline must submit a petition to the Committee on Undergraduate Standings and Petitions outlining any compelling or extenuating circumstances that would warrant such an extension. Appropriate supporting documentation including a letter of support from the department chair must accompany the petition. In cases where a petition is not submitted by the deadline or the petition is rejected, the mark assigned will be the mark indicated on the Incomplete form or zero if no mark is indicated.

Appeals of University Regulations

1. Appeals of Academic Regulations

Students who believe that academic regulations have imposed undue hardship on them may appeal to the Committee on Undergraduate Standings and Petitions (CUSP) through the senior tutor of their college.

2. Appeal of Grades

Appeals of Term Work

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 chair of the department or program.

Appeals of Final Marks

Final marks in individual courses will be reviewed by the department concerned and submitted to the Registrar's Office, countersigned by the chair.

Every student has a right to appeal final standing in any course, regardless of the grade. However, in considering such appeals only the final examination will normally be reassessed. In courses where there are no final examinations, an appeal will be based upon a re-assessment of the final written assignment in the course. All appeals should be made in writing to the Registrar's Office before March 15 for an a half-course, July 15 for a full-course, a b half-course, or a c half-course, and September 30 for a course in the Summer session. *Students who have not received final grades because of outstanding financial obligations to the University are subject to the same deadlines.* A fee of \$25 will be charged for the handling of an appeal, refundable if the mark is raised. Marks cannot be lowered as a result of such an appeal.

3. Special Appeals

If, after exhausting all other areas of appeal, students still feel that an undue hardship has been worked on them, they may appeal directly to the Special Appeals Committee through the secretary of the committee, Dianne Choate. Such appeals should be made promptly upon receipt of the previous ruling, in writing on forms available from the University Secretariat, Bata Library. All decisions of the Special Appeals Committee are final and take effect when issued.

Plagiarism

Plagiarism is defined in Trent's *Notes on the Preparation of Essays* as "passing off someone else's words or thoughts as your own", and *Notes* continues:

The worst kind of plagiarism, of course, is submitting an essay written in whole or in part by someone else. Even a short passage copied directly constitutes plagiarism unless the student encloses the passage in quotation marks and acknowledges his source. But the student who changes only the odd word in someone else's sentences is also (perhaps unwittingly) committing plagiarism, as is one who relies heavily on secondary sources for the argument, organization, and main points of his paper. Even proper paraphrasing of someone else's writing constitutes plagiarism if the facts or ideas thus presented are not commonly known or held in the field.

Although the reference to "an essay" highlights the problem of plagiarism in the arts and social sciences, the main definition's use of "words or thoughts" makes quite clear the broader concern over plagiarism and acknowledges the unhappy fact that lab reports, problem sets, and even computer programs may be subject to plagiarism.

Since plagiarism is theft and fraud combined, and strikes at the very roots of the University by threatening the integrity of its degree, it is obvious that it must be treated as a very serious academic offense and the plagiarist be dealt with accordingly. This is not, of course, to say that every student who inadvertently omits to footnote a brief quotation from a work which s/he has carefully acknowledged in a list of works consulted should be charged with plagiarism. On the contrary, most instructors will certainly continue to judge many such situations as examples of ignorance rather than deceit and will deal with them as they have always done with repeated explanation and with minor penalties (subject to the usual appeal procedures) such as reducing the mark for the assignment or requiring that it be resubmitted.

This policy does not pretend to deal with such cases which should continue to be dealt with at the pedagogical level-between the instructor and the student. What the policy does do is to set out the procedures to be followed when an instructor wishes to make a formal

accusation of plagiarism against a student, and the penalties which are to be imposed if that accusation proves justified.

Procedures

- a) When an instructor wishes to make a formal accusation of plagiarism s/he shall report the matter to the departmental chair, at the same time informing the student of what s/he has done. (Where the instructor involved is the departmental chair, then the chair's role shall be taken by a past chair or other senior member of the department.)
- b) The chair shall review the evidence with the instructor and if the chair agrees that there is a case to be answered s/he shall write to the student, enclosing a copy of this policy, to inform the student that s/he has been formally accused of plagiarism, outlining the evidence on which the accusation is based, and pointing out the penalty which will be imposed in the event of a judgement or guilty, as well as of the fact that, should the student have previously been punished for plagiarism, a further penalty would follow automatically.
The chair shall offer to meet with and/or to receive a written submission from the student and shall request a reply within two weeks of the date of the letter, failing which the penalty will be imposed.
- c) If the student fails to respond to the chair's letter or declines to make any defense, and the chair determines that plagiarism has occurred, s/he shall inform the student in writing and, by copy of the letter the secretary of CUSP, that the penalty of a grade of F (0) in the assignment without the right to repeat the assignment is being imposed.
- d) Upon receipt of the copy of the chair's letter the secretary of CUSP shall place it in the student's file in the Registrar's Office. The secretary of CUSP shall at the same time consult the student's file and if s/he finds that the student has already been penalized for plagiarism shall report the matter to the next meeting of CUSP for CUSP to impose the appropriate penalty for a second (or third or fourth) offense.
- e) If CUSP finds that because of previous plagiarism a penalty beyond that imposed by the departmental chair is required they shall impose it, informing the student in writing of the additional

penalty which is being imposed, and of the consequences which will result from any further plagiarism. If CUSP finds that no additional penalty beyond that imposed by the departmental chair is warranted they shall nevertheless inform the student in writing of the fact that the copy of the chair's letter has been received and included in the student's file, and shall inform the student of the consequences which will result from any further plagiarism.

Appeals

Any student accused and judged guilty of plagiarism may appeal the judgement and the penalty imposed. Appeals against the judgement of a departmental chair shall be to CUSP and against the judgement and penalty imposed by CUSP, to the Special Appeals Committee whose decision shall be final.

Penalties

- i) For a first case of plagiarism the penalty shall be a grade of F(0) in the assignment concerned without the right to repeat the assignment.
- ii) For any case of plagiarism committed after the student has already received the penalty outlined in (i) above, the normal penalty shall be a grade of F (0) in the course concerned. (Being assigned as a *penalty* the grade of F (0) will be entered on the student's transcript whether or not the student has since withdrawn or subsequently withdraws from the course.)
- iii) For any case of plagiarism committed after the student has already received the penalty outlined in (ii) above, the normal penalty shall be a grade of F (0) in the course concerned and rustication from the University for a minimum period of one year from the end of the academic session in which the offense occurred.
- iv) For any case of plagiarism committed after the student has already received the penalty outlined in (iii) above the normal penalty shall be a grade of F (0) in the course concerned and immediate debarment from the University.

Publication of Policy

All course syllabuses should contain the following statement:

Plagiarism: Plagiarism is an extremely serious academic offense and carries penalties varying from failure in an assignment to debarment from the University.

Uniformity of Policy

This present policy on plagiarism as approved by Senate at its meeting of March 22, 1988 supersedes all previous University policies on plagiarism and all policies on plagiarism previously established by any department or program of the University or by any individual instructor.

Passed by Senate March 22, 1988.

Academic Penalties

Three academic penalties may be imposed as a result of weak academic performance:

- (a) **Probation** - A warning of a poor academic situation which, if not corrected, can lead to a more serious penalty.
- (b) **Rustication** - A minimum of a one year absence from the University may be imposed with or without a period of probationary status.
- (c) **Debarment** - A minimum of three years' absence from the University, will occur as a result of a weak academic performance subsequent to the imposition of rustication. Refer to the sections below for complete details.

Assessment Average

In determining a student's academic status, an assessment average will be employed. This assessment average is defined as the mean grade earned in a minimum of three full courses (or equivalent) taken either concurrently, or consecutively. All courses completed during one such period will be counted in determining the assessment average. The Committee on Undergraduate Standings and Petitions may reconsider and alter the implications of an assessment average which is unduly affected by extremes in course grades.

In evaluating the **assessment average**, the following criteria will normally be employed:

- (a) students with a minimum average of 60% will be *eligible to proceed*;
- (b) students with an average of 50% to 59.9% will be placed on *probation*;
- (c) students with an average of less than 50% will be *rusticated*.

Students on Probation

Students may not proceed on probation for a second assessment period. In the case of a student on probation, an assessment

average of 60% or better will clear the student's probation, and the student will be eligible to proceed. Students on probation who fail to attain an average of 60% will be rusticated.

Students Previously Rusticated

A student returning must apply for re-admission to the University. If re-admitted, the individual will be placed on probation. If such a student fails to achieve 60% upon the next assessment, the penalty will be debarment. An assessment average of 60% or more will clear the probation and the student will be eligible to proceed. However, once a rustication penalty has been imposed, any subsequent rustication at any assessment period will result in debarment.

Academic Degree Programs

Honours Program

Trent University encourages students to plan programs leading to single-major or joint-major Honours degrees.

The Honours degree provides a broad education with specialization in one or two disciplines (single- or joint-major). It is the basic qualification for entry to graduate programs and generally enhances employment opportunity upon graduation.

The University offers the following Honours degree programs:

- Bachelor of Administrative Studies (Honours)
- Bachelor of Arts (Honours)
- Bachelor of Science (Honours)

Students seeking the Bachelor of Administrative Studies degree are normally admitted at the beginning of their first quarter of study. Students seeking the Bachelor of Arts (Honours) or Bachelor of Science (Honours) who have completed four or more full courses must indicate their intent to enter or continue in the Honours program at each registration period. No formal application is required for the Bachelor of Arts (Honours) program or the Bachelor of Science (Honours) program. Students are encouraged to contact the appropriate department(s) for further information on planning individual Honours programs.

Students with a General degree, who

wish to complete an Honours degree program, should apply for re-admission to the University indicating their intent to pursue an Honours degree on the Application for Re-Admission.

1. Academic Standings Required for Entry or Continuation in the Honours Program (B.A. and B.Sc.)

All references to courses relate to full course equivalents.

- At any registration period, a minimum cumulative average of 65% on courses completed for credit is required, either to enter or continue in an Honours program. Normally, only those students who have achieved the minimum cumulative average required for the Honours program will be allowed to register in *four-hundred* series courses.
- Any student who has completed more than six courses for which credit was not granted (NCR) is ineligible to enter or continue in an Honours program.

In order to facilitate student planning, at the end of every academic session, the Registrar's Office calculates the cumulative average for all students who have completed at least four courses. The cumulative average is printed on each student's grade report.

Academic Standings Required for an Honours Degree

An Honours degree is awarded upon the successful completion of 19, 19.5 or 20 courses as necessary to meet the requirements of the major- or joint-major subject to the qualifications below:

- no more than seven *one-hundred* level courses may be counted;
- at least three courses must lead to majors in different disciplines;
- at least four distinct disciplines must be included in the student's degree program;
- at least seven courses at the *three-hundred* and *four-hundred* levels (combined) must be included;
- a minimum grade of 60% in the specified introductory course is required in order to major in a given discipline;
- at least nine courses in the major discipline are required in a single-major program. Students in the Bachelor of Administrative Studies program should refer to Administrative Studies under the Programs of Study section of the Calendar for specific requirements;
- at least seven courses are required in each discipline of a joint-major

program;

- no more than 12 courses of a 19 course degree, or 13 courses or a 20 course degree, may be in any one discipline;
- no more than 16 courses in the two disciplines combined may be counted for credit in a joint-major program;
- specific additional major requirements are listed by academic department in the Programs of Study section of this Calendar;
- no more than three D grades may be counted toward the Honours degree;
- only one course with a D standing may be counted for credit in a student's major. One D grade may be counted in each discipline of a joint-major program;
- a course may be repeated for credit only once, and then only if the grade on the preceding attempt was below 60%;
- a minimum cumulative average of 65% on all courses completed for credit is required;
- no more than six courses for which credit was not granted (NCR) are permitted.

Students who do not meet the final two requirements will be awarded a General degree, providing all requirements for the General degree have been met.

Single-Major Honours with Minor

Students may indicate, upon applying to graduate with a single-major Honours B.A. or B.Sc. degree, that they wish to be awarded a minor in a second subject.

Those who meet the requirements for a single-major Honours B.A. or B.Sc. degree will be awarded a minor if they have also met or exceeded the requirements for a joint-major General degree in the second subject.

Program Requirements for Joint-Majors

When a joint-major Honours program combines a major requiring 20 courses in the single major and a major requiring 19 courses in the single major, 19.5 courses are required for completion of the Honours degree.

2. Bachelor of Science (Honours)

In order to receive a B.Sc. degree, a student must have completed either a Grade 13/OAC course (or equivalent) in mathematics or a university-level mathematics course.

Students will automatically qualify for a Bachelor of Science (Honours) degree on completion of one of the following

programs of study:

- a single-major Honours program in Biology, Chemistry, Environmental and Resource Studies (B.Sc. option), Mathematics, Physics, or Psychology (thesis-based option);
- a joint-major in any two of Anthropology, Biology, Chemistry, Computer Studies, Economics, Environmental and Resource Studies (B.Sc. option), Geography, Mathematics, Physics or Psychology (thesis-based option).

Students may petition to receive a B.Sc. (Honours) degree on completion of the following programs of study:

- a single-major in Anthropology, Economics, Geography or Psychology (course-based option);
- a joint-major in Biology, Chemistry, Environmental and Resource Science (B.Sc. option), Mathematics, Physics or Psychology (either thesis- or course-based option) and in another discipline not listed in this section;
- in each case, the student's program must include at least 14 courses from the disciplines listed in this section;
- the student will require the support of the department(s) concerned.

The petition will be made on the Application for Graduation and will be reviewed by the Committee on Undergraduate Standings and Petitions.

Students who complete successfully a joint-major Honours program in *one* of Anthropology, Computer Studies, Economics, or Geography and in another discipline not listed in this section will normally receive a Bachelor or Arts (Honours) degree.

3. Bachelor of Administrative Studies (Honours)

- Students seeking the B.A.S. degree are normally admitted to the program at the beginning of the first quarter. Later admission is possible upon application. Applications by students from other programs or by transfer students from other universities will be considered on their individual merits. Upon admission, these students will be assisted by the director of the program in developing an appropriate course of study. Admission is not permitted after the completion of more than 17 courses if taking further courses is necessary to attain the required minimum average.
- Successful completion of Grade 12 Advanced Mathematics or the

equivalent is required for admission.

- To remain in the program a cumulative average of 70% in administrative courses must be maintained. Students who are unable to maintain this average must transfer to a B.A. or B.Sc. program.
- To complete the program successfully, students will be required to obtain twenty full-course credits or their equivalents with a 70% average in all required courses, excluding electives.
- Upon successful completion of the third quarter, students who have met the requirements for a single-major General degree in economics may convocate with that degree. Students exercising this option are considered to have completed their first degree program and must apply for readmission to the University, if they wish to pursue the B.A.S. as a second degree. Students should refer to Second Degree under the Admissions section of the calendar for further information.
- It is not possible to combine the B.A.S. degree with a major or minor from any other degree program.

General Degree Program

1. Academic Standings Required for a General Degree

A General degree is awarded upon the successful completion of 15 full courses (or equivalent) subject to the qualifications below:

- no more than seven *one-hundred* level courses may be counted for credit;
- at least three courses must lead to majors in different disciplines;
- at least four distinct disciplines must be included in the student's degree program;
- at least four courses at the *three-hundred* level must be included;
- a minimum grade of 60% in the specified introductory course is required in order to major in a given discipline;
- at least six courses in the major discipline are required in a single-major program;
- at least five courses are required in each discipline of a joint-major program;
- no more than eight courses in any one discipline may be counted for credit in a single-major program;
- no more than 12 courses in the two disciplines combined may be counted

for credit in a joint-major program. No department can require a student to take more than six courses in that discipline;

- specific additional major requirements are listed by academic department in the Programs of Study section of this Calendar;

- a student must obtain a minimum of 60% in at least 12 courses;
- a student must obtain a minimum of 60% in at least seven *two-hundred* or *three-hundred* level courses;
- no more than three D grades may be counted toward the General degree;
- only one course with a D standing may be counted for credit in a student's major. One D grade may be counted in each discipline of a joint-major program;
- a course may be repeated for credit only once, and then only if the grade on the preceding attempt was below 60%.

2. Bachelor of Science (General)

In order to receive a B.Sc. degree, a student must have completed either a Grade 13/OAC course (or equivalent) in mathematics, or a university-level mathematics course.

Students will automatically qualify for a Bachelor of Science (General) degree on completion of one of the following programs of study:

- a single-major in Biology, Chemistry, Environmental and Resource Studies (B.Sc. option), Mathematics, or Physics;
- a joint-major in any two of Anthropology, Biology, Chemistry, Computer Studies, Economics, Environmental and Resource Studies (B.Sc. option), Geography, Mathematics, Physics or Psychology.

Students may petition to receive a B.Sc. (General) degree on completion of one of the following programs of study:

- a single-major in Anthropology, Economics, Environmental and Resource Studies (B.A. option), Geography or Psychology;
- in each case, the student's program must include at least 11 courses from the disciplines listed in the Bachelor of Science (General) section.

The petition will be made on the Application for Graduation form and will be reviewed by the Committee on Undergraduate Standings and Petitions.

Students who complete a joint-major in one of Biology, Chemistry, Computer Studies, Environmental and Resource Studies (B.Sc. option), Mathematics or

Physics, and in another discipline not listed in this section will normally receive a Bachelor of Arts (General) degree.

Special Emphasis Program

The Special Emphasis option exists in both the Honours and General programs in order to accommodate students whose academic needs cannot be met by majors in any of the existing disciplines. While the Special Emphasis Program allows considerable scope for students to define their own program, each student must provide an integrating rationale or theme by which the choice of courses may be justified. Examples of such integrating themes have been studies in religion and medieval studies.

An application will not normally be approved which seems to be simply a major or joint-major without one or two of the courses required by the departments or programs concerned. Nor will an application be approved which is simply a collection of courses without a unifying theme.

Students wishing to pursue a Special Emphasis Program should consult the senior tutor of the college early in their program. The senior tutor will advise the student in drawing up a proposal, in obtaining the approval of the academic departments concerned, and in ensuring that the program will meet University degree requirements.

Special Emphasis programs are approved and monitored by the Committee on Undergraduate Standings and Petitions. Application to this committee is made through the senior tutor. Once a program is approved, changes in course selection can be made only by petition to the committee.

Students should submit applications for the Special Emphasis Program on completion of the first quarter for both Honours and General programs. The student's proposal should outline the integrating rationale of the program and identify the remaining courses required for the degree in question. In exceptional cases only will the committee consider applications for the Special Emphasis Honours Program from students with ten courses completed. In such instances, the second-year courses already completed must be consistent with the rationale behind the program.

Students should note that after enrolment in the program only two D grades among the ten final courses may be counted for credit for both the Honours and General degree. No more than three D grades may be counted for credit overall.

Students considering an Honours Special Emphasis Program must prepare a statement of the work which they intend to carry out upon entry to the program at the end of the first quarter of study. At least two of the final four or five courses must be at the *four-hundred* level. Following consultation with the senior tutor, the statement should be submitted to the Committee on Undergraduate Standings and Petitions. The proposal must be approved by the chairs of all the departments and programs involved prior to its presentation to the committee. Students must also meet the University requirements for entry and continuation in an Honours program. The Committee on Undergraduate Standings and Petitions will make the recommendation to Senate for the awarding, deferring, or withholding of the Honours degree.

Special Emphasis - International Studies

A Special Emphasis Program in International Studies is available as an interdisciplinary Honours degree. It is designed to meet the needs of students whose interests cannot be accommodated within a major in a particular department or program. Students must provide a rationale for their course choices.

Students interested in International Studies should write to the Director of the Trent International Program for information and guidance in selecting their courses. Applications for entry into Special Emphasis, International Studies, are to be made in your first year by February 1 to the International Studies Advisory Committee. The Committee advises the student in drawing up the proposal, obtains departmental approval for courses where required, and ensures that the program meets University degree requirements. The Advisory Committee makes recommendations for program approval to the Committee on Undergraduate Standings and Petitions (CUSP).

Students participating in this program

are required to participate in a work/study abroad program during their studies at Trent (see International Program).

International Program

The Trent International Program (TIP) offers an exciting opportunity for students from many countries to live and study together in an international community. Students in the program, many of whom are interested in pursuing international careers, are committed to deepening their understanding of world issues, increasing their sensitivity to different cultures, and, in the long term, to promoting international learning and understanding. Students come from all provinces across Canada and more than one hundred countries have been represented throughout the years. This year there are 400 students in the program.

Students who enrol in the program have a normal choice of course offerings at Trent and major in any field they choose. An International Studies academic program is available to students whose international interests cannot be accommodated within a major in a particular department or program (See Special Emphasis, International Studies). TIP students gather together to explore international issues in a World Affairs Colloquium on a regular basis. The program also organizes many social, education and cultural events.

International Opportunities

Students are encouraged to spend one year of their undergraduate program in a foreign country, through one of the many Trent International Study and Exchange Programs (TISEP).

Trent has cooperative and exchange agreements with various universities and higher education institutions all over the world.

To make application:

1. The regular application procedure for entry into the University is to be followed.
2. Students must write a letter to the Director, International Program, explaining why they wish to take part in the program.

Scholarships

The University will actively apply itself to the task of financing scholarships and bursaries in the hope of providing some help to outstanding and needy students.

Convocation and Transcripts

Students who intend to graduate must complete an Application for Degree/Diploma Assessment form by the deadlines listed in the University Diary. Only those students completing the application by the published deadline will be considered for evaluation of eligibility to convocate. Students missing the deadline will not be considered and must apply again for any subsequent convocation. In addition to academic qualifications, students must have cleared all financial obligations to the University.

Students who anticipate completing their degree/diploma requirements at the end of Summer session should also complete the application in order to be reviewed for eligibility. A notation as to the degree/diploma completed will appear on the transcript once eligibility has been confirmed by Senate. Students who have applied and are eligible to graduate may participate in the Convocation ceremonies in the spring of the following year and will receive their degree or diploma at that time.

Students with Incomplete Standing in certain courses or on Letters of Permission which have been duly approved should

refer to the University Diary for the final date for receipt of such grades for spring and fall eligibility. Students whose final grades have not been received by the published final submission date will be required to delay their convocation and/or will not have the degree or diploma noted on their transcript.

Official copies of a student's academic transcript are transmitted by the Registrar's Office directly to other institutions only at the *student's written request*. Transcript charges are \$5 per copy. *Payment of the fee is required in advance of the release of the transcript.* **Transcripts are prepared in order in which requests are received. Allow 10 working days for processing.** Grade reports are provided free of charge to the student upon completion of each session. *However, neither transcripts nor grade reports will be released for students having a financial obligation to the University.*

Part-time Studies

(See Julian Blackburn College.)



Programs of Study

Explanation of Course Identification

Courses are identified by three digits. Generally, the first digit indicates the year in which the course is normally taken, and the second digit usually indicates an area of study within a discipline. Half courses are indicated by the suffix *a*, *b*, or *c*; indicating courses taught in the fall term, winter term, or throughout the year respectively. Half-courses equal one and one-half credits. Full courses equal three credits. Any two half-courses equal one full course for credit purposes.

Animal Care Course

This course deals with the ethical principles, legal aspects and practical considerations regarding animal research. There are no prerequisites and the course is not credited towards a degree. The course is mandatory for all students whose work involves handling and experimentation with live vertebrate animals. The course will be offered only once in the academic year at the beginning of the Fall Term. For details of when the course will be offered, contact the Department of Biology, Chemistry, Environmental and Resource Studies, or Psychology.

Administrative Studies

Associate Professor and Director of the Program

K.L. Campbell, B.A. (TRENT), M.B.A. (TORONTO)

Professor Emeritus

I.D. Chapman, B.Sc. (LIVERPOOL), M.A. (TORONTO)

Associate Professors

B. Ahlstrand, B.A. (TORONTO), M.Sc. (L.S.E.), D.Phil. (OXFORD) (on leave 1995-96); D. Newhouse, (Onondaga) B.Sc., M.B.A. (WESTERN ONTARIO); D. Torgerson, A.B. (CALIFORNIA-BERKELEY), M.E.S. (YORK), M.A., Ph.D. (TORONTO)

Conjunct Associate Professor

R. Blackmore, B.Sc. (BIRMINGHAM), M.B.A. (WESTERN ONTARIO), C.A.

Assistant Professors

J. Bishop, B.A. (NEW BRUNSWICK), M.A., M.B.A. (MCMASTER), Ph.D. (EDINBURGH); M. Quaid, B.A. (MCGILL), M.Sc. (L.S.E.), D.Phil. (OXFORD) (on leave Winter Term 1995-1996)

Adjunct Faculty

R. Beninger, B.A. (TRENT), LL.B. (OTTAWA), LL.M. (LONDON); R. Chernecki, B.A. (WATERLOO), M.A. (TORONTO); R. Taylor, B.A. (TRENT), LL.B. (QUEEN'S)

Associated Faculty

Computer Studies, J.W. Jury; *Economics*, M. Arvin, D. Curtis, H. Kitchen, J. Muldoon, K.S. Murthy; *History*, B. Hodgins, D. McCalla; *Mathematics*, E.A. Maxwell; *Political Studies*, M. Gunther, V. Lyon, R. Paehlke, J. Wearing; *Sociology*, P. Bandyopadhyay, C. Huxley.

Administrative Studies is a four-year (20 course credits) Honours program leading to the degree of Bachelor of Administrative Studies (B.A.S.). This program is intended for students with an interest in careers in management in the public and private sectors.

The objective of the Administrative Studies Program is to provide students with a generalist rather than a specialist program of study. The administration courses are designed to expose the student to the various administrative techniques (accounting, marketing, management science, computer science, commercial law, etc.) while the policy courses are concerned with strategic decisions affecting the long-range directions of organizations in business and government.

Students entering the B.A.S. degree program in first year must have completed Grade 12 mathematics at the 5th level or its equivalent with a good standing.

To remain in the B.A.S. degree program, a cumulative average of B- (70%) in courses completed (excluding electives) must be maintained. Students who are unable to maintain a B- average may transfer to a B.A. or B.Sc. program in another discipline, provided they can make up any degree requirements for a major.

Students entering the fourth year must indicate their course choices to the director before Early Registration.

Required Courses

Year I

Administration 105, *Economics 101a* or *b* and *Economics 102a* or *b*, one of *Politics 100*, *Sociology 100*; and two electives (at least one first year course from History, Philosophy, English, or Modern Languages is recommended).

Mathematics 100 is required of students who have not passed Grade 13 calculus or an equivalent course in calculus (not finite mathematics). Upper-year core courses are not open to first year students.

Year II

Administration 201a and *202b*, *Administration 250*, *Administration-Economics 225a* and *220b*, one course in either policy or administration (or either *Economics 200* or *Economics 201*), and one elective.

Year III

Administration 350, a further course in administration, one policy course, one additional course in either policy or administration, and one elective.

Year IV

Administration 400, *Administration 410*, one policy course, one additional course in either administration or policy, and one elective. (Students registered in the B.A.S. degree program before the 1992-93 academic year may substitute one administration course for *Administration 410*.)

Administration Courses***Administration 105***

Introduction to managerial communications. The course examines the theory and practice of communications in an organizational context with particular emphasis on written communications. The lectures and workshops stress a strategic approach to management communications in order to enhance the effectiveness of professional writing and the understanding of organization situations. Enrolment normally limited to Administrative Studies students.

Staff***Administration-Native Studies 190***

Introduction to management and management decision-making in contemporary aboriginal organizations. The course examines the basic tasks, responsibilities, and practices of management in aboriginal and non-aboriginal organizations and by aboriginal managers.

Economics 101a* or *b

Introductory microeconomic analysis. (See Economics.)

Economics 102a* or *b

Introductory macroeconomic analysis. (See Economics.)

Administration 201a

Fundamentals of financial accounting. An introduction to the basic concepts and principles underlying financial accounting and to the practices followed in the preparation of financial records and statements required for public reporting. Problems related to different types of

business and to the various legal forms of business are considered. Prerequisite: Second-year standing or permission of the instructor. (Also offered in Summer 1995.)

Staff***Administration 202b***

Fundamentals of management accounting. An introduction to the basic concepts and procedures used in the collection and manipulation of accounting data for on-going management decision-making. Topics include: manufacturing accounting; cost accounting and variance analysis; cost allocation; cost-volume-profit analysis; introduction to budgeting. Prerequisite: *Administration 201a*. Excludes previous *Administration 305b*.

Staff***Administration-Economics 220b***

Introduction to econometrics. (See Economics.)

Administration 222a

Organizational behaviour. A conceptual and methodological analysis of how individuals react to their employment environment. Topics include motivation, job satisfaction, leadership, group dynamics and decision-making. Co-requisite: *Administration 250*, or any full (or equivalent) two-hundred series Psychology course, or permission of the instructor. (Excludes *Administration 322a*.)

M. Quaid***Administration 223b***

Human resource management. A survey of the concepts and practices in the major functions of human resource management. Topics include human resource forecasting, human rights, recruitment and selection, training and development, performance appraisal and compensation. Prerequisite: *Administration 222a* or equivalent or permission of the instructor.

Staff***Administration-Economics 225a***

Introduction to mathematical economics. (See Economics.)

Administration 250

Organization theory. An introduction to organizational theory and an examination of specific organizations. Structure, process, environment, and other aspects of organizations are approached through multiple-frame analysis. Prerequisite: one of *Politics 100*, or *Sociology 100*.

M. Quaid, D. Torgerson

Administration-Native Studies 272

Organizational behaviour in contemporary aboriginal organizations. This course provides a basic grounding in the general issues involved in managing people in organizations and in the particular issues confronting managers of contemporary aboriginal organizations. The major concern of the course is to develop an understanding of the basic dynamics of human behaviour in organizations and their implications for managerial decisions and actions.

Computer Studies 202a

Intermediate computer science.
(See Computer Studies.)

Computer Studies 203b

Data structures and processing.
(See Computer Studies.)

Computer Studies 220b

Information systems in organizations.
(See Computer Studies.)

Administration 310a

Introduction to marketing (Part I). This course examines the nature of the market-place, and introduces basic strategy for adapting a marketing mix to the external environment. Students are required to review a current advertising campaign. The development of ideas through interactive learning is encouraged. Corequisite: *Administration 201a-202b*.
J. Bishop

Administration 315b

Introduction to marketing (Part II): advertising and promotion. This course, a continuation of *Administration 310a*, focuses on sales, advertising and the media, and sales promotions. Students are invited to create independent projects, usually involving work with a corporation or organization. Prerequisite:

Administration 310a.

J. Bishop

Administration 320a

Financial management. A systematic survey of the fundamental concepts of corporate finance including: the tax environment, financial planning and control, working capital management, capital budgeting, the market for long term securities, debt and preferred shares, valuation and rates of return, and the cost of capital. Attention will be given to applying these concepts to particular cases. Prerequisites: *Economics 101a* or *b* and *Economics 102a* or *b*, and *Administration 201a* (or other accounting deemed sufficient by the instructor).

J. Bishop

Administration 325a

The legal environment of management. The course will direct itself to the legal limits within which management operates and the laws with which business decision-making must comply. The use of law for protection of the competitive market place, of the consumer and of the businessman will be reviewed and explained through the primary sources of law: cases and statutes. Prerequisite: *Administration 250*, or permission of the instructor. (Also offered in Summer 1995.)

Staff

Administration-Sociology 333b

Social organization and bureaucracy. An overview of different approaches to the analysis of complex organizations including classical theories of bureaucracy, the managerial tradition and perspectives drawn from contemporary sociology. Selected case studies are examined with special emphasis on the analysis of the modern business enterprise. Prerequisite: *Sociology 100* or *Administration 250* or permission of the instructor. Lecture, seminar weekly.

Staff

Administration 340

Entrepreneurship and small business. Students learn about the challenges facing a small business within the Canadian social, economic, political and regulatory environments. Prerequisites:

Administrative Studies 201a/202b and *Administrative Studies 310a/315b* (the latter may be taken concurrently).

K. Campbell

Administration 341b

Communications in organizations. (Not offered 1995-96.)

Administration 350

Managerial planning and control. The processes and problems of planning and control with particular attention to budgeting. The course will focus critically on traditional and innovative budget procedures for organizations in both the private and the public sectors. Emphasis will be placed on the vital role of the budget process in management.

Prerequisite: *Administration 201a/202b* and *Administration 250*

K. Campbell

Economics 350a

Economics of trade unions.
(See Economics.)

Economics 351b

Labour economics. (See Economics.)

Administration 400

Strategic management. The course focuses on the definition and analysis of strategic problems faced by business and government organizations in adapting to changes in their internal and external environments. Students will be expected to draw broadly on knowledge and skills developed over their first three years. Restricted to students with fourth-year standing in the B.A. S. degree program.
D. Newhouse

Administration 410

Management thought. The course will focus on leading ideas and figures in the development of management thought, particularly through a close reading of some of the 'classics' in the field. Emphasis will be placed on developing individual student skills and on examining in depth selected topics. Prerequisite: Fourth-year standing in the B.A.S. degree program or permission of the instructor.
D. Torgerson

Administration 420

Professional ethics. A seminar on the ethical issues of professional life, especially as encountered in business and government. The primary purpose of the course is to promote an understanding of professional ethics which enlarges the capacity for careful reflection on moral problems. The course will proceed through an identification of concrete moral problems to an application of ethical concepts and a clarification of issues. Students are expected to play a large part in designing their projects. Prerequisite: Fourth-year standing in the B.A.S. degree program; or third-year standing with permission of the instructor.
J. Bishop

Administration 430

Workplace diversity. Canada is experiencing dramatic changes in the composition of its workforce. The new workforce will include more women, visible minorities, aboriginals, disabled and the aged. This course addresses some of the workplace problems and opportunities that arise from the demographic diversity of the 1990s and beyond. The course will also examine the human resource implications of conducting business on an international basis. As business become more global, Canadians will increasingly work with others from different countries, cultures, ethnic groups and races. Prerequisite: *Administration*

223b or equivalent or permission of the instructor.
Staff

Administration 490

Reading course. By individual arrangement, normally before early registration. Prerequisite: permission of the instructor.

Administration 499

Research project. Research based on a project developed with a local organization. Details must normally be arranged with the director by May 1 of the preceding academic year.

Policy Courses

(See Calendar description in the respective departments or programs.) Students are advised to check prerequisites and the pertinent department regulations for courses in planning their academic programs.

Canadian Studies-Environmental and Resource Studies 310: Public policy and the Canadian environment

Comparative Development 400: Modernity and development

Economics-Canadian Studies 260a: Canadian economic growth and development I: up to 1929

Economics-Canadian Studies 261a: Canadian economic growth and development II: after 1929

Economics 301b: Monetary theory
Economics 302b: Monetary institutions and policy

Economics 311a: International trade

Economics 312b: International finance

Economics 316a: Government expenditure analysis

Economics 317b: Canadian tax policy

Economics-Comparative Development 331a: Development as a self-contained evolutionary process

Economics-Comparative Development 333a: Development and underdevelopment in a global context

Economics 341a: Industrial organization

Economics 351a: Labour economics

Economics 361a: An economic history of the Industrial Revolution

Economics 362b: International economic history, 1850 to present

Economics-Environmental and Resource Studies 381b: Environmental economics

Economics-Canadian Studies 384b: Health economics

Environmental and Resource Studies 306: Environmental impact assessment

Environmental and Resource Studies 307: Risk assessment

Geography-Canadian Studies 371b: Urban planning
Geography 380b: Regional economic development
History-Canadian Studies 235: History of Canada since 1914
History-Canadian Studies-Politics 301: Canadian federalism
History-Canadian Studies 308: Business history
Native Studies 200: Politics and native communities
Native Studies 260: Social service and native people
Native Studies 290: Native economic development
Native Studies 300: Aboriginal governance
Native Studies-Comparative Development 305: Native community development
Native Studies 320: Urbanization and the native people
Native Studies 330: Education and the native people
Native Studies 340: Native law
Native Studies 381a: Theory of community-based research and planning
Native Studies 383b: Oral history methods
Philosophy 232: Philosophy of law, justice and the state
Politics-Canadian Studies 201: Canadian politics
Politics 220: International politics
Politics 260: An introduction to political analysis and public policy
Politics-Canadian Studies 309: Ontario politics
Politics 320: Conflict and co-operation in international relations
Politics 321: International organization
Politics-Canadian Studies 362: Public policy and administration in Canada
Politics 420: Contemporary problems in international politics
Politics 425: Advanced topics in international political economy
Politics-Comparative Development 450: Problems of underdevelopment
Politics-ERS 460: Public policy in comparative perspective
Sociology 230: Self and society
Sociology-Comparative Development 280: Society and economy
Sociology 334a: Industrial sociology
Sociology-Canadian Studies 340: Sociology of education
Sociology-Women's Studies 343a: Sociology of gender
Sociology-Women's Studies 344b: Selected issues in gender and sexuality
Sociology 366: Analysis of social policy
Sociology 480: Comparative social analysis

Anthropology

Professor and Chair of the Department
 J.M. Vastokas, M.A. (TORONTO), PH.D. (COLUMBIA)

Professor Emeritus
 K.A. Tracey, B.SC. (HOWARD), D.Sc. (KIEL)

Professors
 R.S. Hagman, PH.D. (COLUMBIA) (on leave Winter term); P.F. Healy, B.A. (CALIFORNIA-BERKELEY), M.A., PH.D. (HARVARD); H.W. Helmuth, D.SC., DR.HABIL. (KIEL); L.J. Hubbell, M.A., PH.D. (CALIFORNIA-BERKELEY); J.K. So, M.A., PH.D. (SUNY,BUFFALO); E.M. Todd, B.A. (TORONTO), PH.D. (NORTH CAROLINA); J.R. Topic, M.A., PH.D. (HARVARD); T.L. Topic, M.A., PH.D. (HARVARD)

Associate Professors
 S.M. Jamieson, B.A. (MCMASTER), M.A. (MANITOBA), PH.D. (WASHINGTON STATE) (on leave Winter term); R.D.Powell, LIC. EN HISTORIA (CORDOBA), PH.D. (MCGILL); M.J. Tamplin, B.A. (TORONTO), M.A. (LONDON), PH.D. (ARIZONA); R.K. Vastokas, M.A. (TORONTO), PH.D. (COLUMBIA) (Winter term only)

Assistant Professors
 J. Harrison, B.A. (SASKATCHEWAN), M.A. (CALGARY), D.PHIL. (OXFORD); J. Solway, M.A., PH.D. (TORONTO) (on leave)

Conjunct Professors
 T.J. Brasser, PH.D. (LEIDEN); D. Pendergast, PH.D. (CALIFORNIA-BERKELEY); P.L. Storck, PH.D. (WISCONSIN)

Post Doctoral Fellow
 Cath Oberholtzer, M.A. (TRENT), PH.D. (MCMASTER)

Research Associate
 K. Cassavoy, M.A. (TEXAS A&M)

Anthropology, the study of humankind, is an inter-disciplinary field with four main subdivisions that range across science, social science, and the humanities: archaeology, linguistics, biological anthropology, and cultural anthropology. From the earth, archaeologists recover material, human, and faunal remains in order to interpret the cultures of past societies. Linguists record, analyze and compare languages worldwide in order to trace the origins and development of language in relation to society and culture. Biological anthropologists investigate human physical origins, growth, and development in relation to environmental, genetic, and sociocultural factors. Cultural anthropologists work with living human groups and individuals throughout the

world, recording their ways of life and beliefs (ethnography) and analyzing and interpreting their findings with a view to understanding and explaining similarities and differences in human behaviour.

In the past, anthropologists focused almost entirely upon non-Western, small-scale and prehistoric societies. Today, anthropologists are increasingly concerned with the present in both simple and complex societies within the larger inter-cultural processes of globalization. Anthropological discourse today addresses such issues as economic and social inequality; identity, ethnicity, and nationalism; ethnocentrism and racism; gender and society; the individual and society; tensions between the global and the local; and problems of cross-cultural representation and the politics of interpretation. Anthropologists today no longer focus entirely upon the "other" but are turning as well to the study of contemporary Western Society. What has remained a constant and distinctive feature of anthropology as a discipline is its insistence upon the pre-eminence of lived experience, of man and woman alive, the anthropology of everyday life.

Required Courses:

The single-major Honours program consists of twenty courses. Minimum ten courses in Anthropology, including:

Anthropology 100
200

any two of 212, 230, 240

at least four Anthropology courses at the 3rd and 4th year levels
and 420

Joint-major Honours program. Minimum seven courses in Anthropology, including:

Anthropology 100

200 and

one of 212, 230, 240 and

two *three- or four-hundred series* courses in Anthropology,
and 420

Single-major General program. Minimum seven courses in Anthropology, including:

Anthropology 100

200 and any

two of 212, 230, 240 and

two *three- or four-hundred series* Anthropology courses.

Joint-major General program. Minimum five courses in Anthropology including *Anthropology 100, 200* and

two of 212, 230, or 240 and

at least one *three- or four-hundred series*

Anthropology course.

Note:

- Students undertaking Joint-majors in Anthropology and Comparative Development Studies are advised that they may substitute *Anthropology-Comparative Development 221* for one of AN212, 230, or 240 in their Anthropology requirements.
- In order to be eligible to graduate with a B.Sc. degree, a student must have completed a Grade 13/Ontario Academic course in Mathematics, or equivalent, or a university level Mathematics course.
- Students intending to pursue graduate studies in anthropology upon graduation are strongly advised to include all four of AN200, 212, 230, and 240 in their program of study.

Special Provisos

- Anthropology Honours students who joint-major in a Department or program which offers a 19-course Honours degree must include at least 19.5 courses in their overall program.
- Students who have taken all four of *Anthropology 200, 212, 230, and 240* may recognize one of these courses as equivalent to a *three-hundred series* course.
- Students undertaking a single- or joint-major Honours program should consult the Chair of the Anthropology Department for advice in preparing their programs of study.
- Students are limited to no more than one full reading course in Anthropology or its equivalent, for the General degree and one additional full reading course in Anthropology, or its equivalent, for the Honours degree. Only students who have an overall B (73%) average will be allowed to enrol in reading courses.
- 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. Understanding and explaining humanity in all its variety. An interdisciplinary, comparative study of the people and their cultures throughout the world (cultural anthropology), of human evolution, adaptation, and genetics (physical anthropology), the recovery and development of prehistoric societies (archaeology), and language as an aspect of culture (linguistics). Two-hour lecture

weekly, optional film hour weekly, and fortnightly tutorial.

J. So, R. Hagman, L. Hubbell, R. Vastokas

Anthropology 200

Cultural anthropology. An introduction to the history, theory, and ethnographic methods of cultural anthropology and their role in understanding religion, exchange systems, political and social organization, kinship, gender, and issues of social and cultural change. Prerequisite: *Anthropology 100* or *Sociology 100* or permission of the instructor. Two-hour lecture weekly, seminar fortnightly.

Staff

Anthropology-Native Studies 201

Aboriginal Societies of Canada
Prerequisite *AN100* or *NS100*. (Not offered this year).

Anthropology 211

Field methods and techniques in archaeology. An introduction to the recovery, analysis, and interpretation of archaeological evidence in a field situation. Occasional summers only; confirm with the Department Office. Prerequisite: *Anthropology 100* or permission of the instructor. Enrolment may be limited.

Staff

Anthropology 212

Introduction to archaeology. An introduction to the methods used by archaeologists to recover and analyze their data, and a survey of selected culture histories in the Old and New World. No prerequisite. Two-hour lecture weekly, tutorial fortnightly.

S. Jamieson and Staff

Anthropology-Comparative Development 221

Development anthropology. An application of the resources of anthropology to the study of modern societies in transition. Analysis of programs of development and research at local, regional and national levels in Africa, the Caribbean, Latin America and Canada. Prerequisite *AN100* and/or *CDS100*. Lecture, seminar weekly.

Staff

Anthropology-Classical Civilization 227a

Archaeology of ancient religion. (See Classical Studies.)

Anthropology-Classical Civilization 228b

Archaeology of Greek and Roman culture. (See Classical Studies.)

Anthropology 230

Introduction to language. How to develop an understanding of any language through linguistic analysis of sounds, words, and sentences; how languages change and language classification; acquisition of language, language in society, and writing; human vs. non-human forms of communication. No prerequisite. Two one-hour lectures weekly, seminar fortnightly.

R. Hagman and E. Todd

Anthropology 240

Introduction to physical anthropology. The study of human evolution, the physical characteristics of the living varieties, the genetics and growth of the human species. Prerequisite: *Anthropology 100* or permission of the instructor. Two-hour lecture weekly, two-hour seminar in the laboratory fortnightly. Limited enrolment.

H. Helmuth

Anthropology-Canadian Studies-Native Studies 253

Aboriginal Art of North America. A survey of the visual arts and architecture of the Aboriginal peoples of North America from prehistory to the present. No prerequisite. Three-hour lecture weekly.

T. Brassier

Anthropology-Comparative Development 301

African Culture and Society. Prerequisite: *Anthropology 100*, *Comparative Development 100* or permission of instructor. (Not offered this year).

Anthropology 302

Cultures of the Pacific. An introduction to the peoples, cultures, and history of Polynesia, Melanesia, Micronesia. Focus on traditional economic systems, social organization, and development in emerging nations. Prerequisite:

Anthropology 200 or permission of instructor. Lecture, seminar weekly.

E. Todd

Anthropology 303

Caribbean societies. The comparative analysis of Caribbean societies; historical, economic, demographic, racial and cultural conditions. Current problems, regional associations, development, change. Prerequisite: *Anthropology 200*. Two-hour seminar weekly.

Offered if staffing permits.

Anthropology-Comparative Development
304

Latin America. Examination of ethnic and historical foundations of Latin American society. Problems of modernization with special emphasis on peasant movements and interethnic relations. Prerequisite: *Anthropology 100* or permission of instructor. Two-hour lecture, one hour seminar weekly.

D. Powell

Anthropology 305

Kinship and social organization. Prerequisite: *Anthropology 200* or permission of the instructor. (Not offered this year.)

Anthropology 309

Ethnographic method in cultural anthropology. Intensive study of research design, field methods, ethics, and styles of ethnography. Students will try out a variety of field methods, followed by a major field project. Limited enrolment. Three-hour seminar weekly. Prerequisite: *Anthropology 200*.

L. Hubbell

Anthropology 311

Prehistory of North America. This course will survey the prehistoric cultures of North America north of Mexico from first human entry into the New World to European contact. Prerequisite: *Anthropology 212* or permission of instructor. Lecture weekly, seminar fortnightly.

S. Jamieson and staff

Anthropology 312

Old World prehistory: Pleistocene and recent periods. A general survey of Old World prehistoric cultural adaptations to changing environments during the Pleistocene, followed by a more intensive study of post-Pleistocene European prehistory, concentrating on recent research to the end of the Neolithic. Prerequisite: *Anthropology 212* or permission of instructor. Two-hour lecture/seminar weekly. (Offered this year and in alternate years.)

M. Tamplin

Anthropology 313 b

Agriculture and urbanism. Prerequisite: *Anthropology 212* or permission of the instructor. (Not offered this year.)

Anthropology 314

Archaeology, ethnohistory, and ethnography of South America. An examination of native populations of

selected areas of South America with an emphasis on the Andean and Amazonian areas. Prerequisite: *Anthropology 100* or permission of instructor. Two-hour lecture weekly, seminar fortnightly. (Offered this year and in alternate years.)

J. Topic and T. Topic

Anthropology 320

Anthropology of religion. Cross-cultural study of religion, including such themes as ritual, myth, symbolism, cosmology and belief and an examination of revitalization, messianic, and millennial movements in their sociocultural contexts. Prerequisite: *Anthropology 200* or permission of instructor. Three-hour lecture/seminar weekly.

Offered if staffing permits.

Anthropology 330a

Language history. Prerequisite: *Anthropology 230* or permission of the instructor. (Not offered this year.)

Anthropology 331a

Languages of the world. The origin and diversification of language; the principles of language classification both genealogical and typological; writing systems; linguistic approaches to prehistory; language universals; a survey of languages of the world. Prerequisite: *Anthropology 230* or permission of the instructor. Lecture, seminar weekly. (Offered this year and in alternate years.)

E. Todd

Anthropology 332b

Language in Society. Prerequisite: *Anthropology 200* or *230*. (Not offered this year.)

Anthropology 333b

Language and culture. Prerequisite: *Anthropology 200* or *230*. (Not offered this year.)

Anthropology 334

Linguistic analysis. Morphological and syntactic analysis of several samples of non-Indo-European languages. A major research project involves the study of a single language (in the second term) with the goal of producing a grammar based on selected texts. There is a special focus on aspects of syntactic theory. Prerequisite: *Anthropology 230*. One hour Lecture, two-hour seminar weekly.

E. Todd

Anthropology-Biology 340

Primatology. Prerequisite: *Anthropology 240* or permission of instructor. (Offered in alternate years but not this year.)

Anthropology-Biology 341

Comparative human osteology and evolution. Prerequisite: *Anthropology 240* or permission of instructor. (Offered in alternate years but not this year.)

Anthropology-Biology 344a

Human genetics. A survey of genetic principles as applied to the human being with special emphasis on clinical, population and evolutionary genetics. Prerequisite: *Anthropology 240* or permission of instructor. Two-hour lecture and 2-hour seminar weekly. (Excludes ANBI343) (Offered this year and in alternate years.)

H. Helmuth

Anthropology-Biology 346b

Human growth and adaptation. A comprehensive survey of the human life cycle from conception to old age, with special emphasis on 1) historical and contemporary theories on growth and adaptation; 2) comparative and evolutionary aspects of growth; 3) anatomy and physiology of pregnancy, prenatal and postnatal development; 4) human adaptation to the environment during the life cycle; 5) biocultural determinants of health; and 6) the aging process. Prerequisite:

Anthropology 240 or permission of instructor. Two-hour lecture and 2-hour seminar weekly. (Excludes ANBI 343) (Offered this year and in alternate years.)
J. So

Anthropology-History 345

Slavery in the Americas. (See History)

Anthropology 348

Medical anthropology. An intensive and comparative survey of the fundamental aspects of the anthropology of health; research methodology, biological, ecological and sociocultural factors influencing disease patterns; the cross-cultural differences in medical systems. Prerequisite: *Anthropology 240*. One-hour lecture and two-hour seminar weekly.
J. So

Anthropology-Canadian Studies 351

Art, architecture and society. A cross-cultural, thematic approach to the history of visual art and architecture from the point of view of symbolic, semiotic, and dialogic anthropology. Themes: visual art as a non-verbal system of communication, the artist's role in society, cross-cultural aesthetics, art and religion, cultural conditions of creativity, politics and art, values, universals. Seminar sections (a) Mediaeval European Art, Architecture and

Culture or (b) Canadian art and architecture. No prerequisite. Two-hour lecture weekly, two-hour seminar fortnightly.

J. Vastokas

Anthropology 360b

Ceramics in archaeology. Introduction to the study of ceramics from archaeological sites. Examines how ancient pottery was manufactured (raw materials and techniques) and how pottery artifacts are analyzed and classified by archaeologists (composition, form, function, decoration, style, dating). Ceramic econology, economics, and ethnoarchaeology. Laboratory exercises. Prerequisite: *Anthropology 212* or permission of instructor. One-hour lecture and two-hour seminar/lab weekly. Limited enrolment.
P. Healy

Anthropology 361b

Lithic technology. Prerequisite: *Anthropology 212*. (Not offered this year.)

Anthropology 362b

Zooarchaeological interpretation. The identification and interpretation of faunal remains recovered from archaeological sites. Prerequisite: *Anthropology 212, 240* or permission of Instructor. One-hour lecture, two-hour lab weekly, 1-hour seminar fortnightly. Limited enrolment.
M. Tamplin

Anthropology 363b

Computer applications in anthropology. Prerequisite: Either one of AN200, 212, 230, 240 and *Computer Studies 101a* or equivalent OR CS210 and Permission of Instructor. (Not offered this year.)

Anthropology 365a

Archaeological settlement and spatial studies. Introduction to the analysis of the spatial dimension of archaeological data. Spatial relationships reflect the social, political, economic, ecological, and ideological contexts of human behaviour. The course examines the distributions of artifacts and sites, the organization of buildings and settlements, and the interactions between cultures. Both techniques of analysis and interpretive concepts will be presented. Prerequisite: *Anthropology 100* or permission of instructor. Three-hour lecture/lab/seminar weekly.
J. Topic

Anthropology-Women's Studies 369a

Gender in prehistory. An examination of gender roles and ideologies in the prehistoric and protohistoric past;

examples will be drawn from Paleolithic and Neolithic cultures, and from early civilizations of both Old and New World. Prerequisite: *Anthropology 212*. Two-hour seminar weekly. (Offered this year and in alternate years.)

T. Topic

Anthropology 371a

The Maya. Survey of the ancient and modern Maya of Central America.

Examines the culture of the contemporary Maya, one of the largest native groups of the Americas, as well as the archaeology of Pre-Columbian Maya civilization. Course will explore Maya religion, health, economic and subsistence practices, political and social structure, artistic traditions, the collapse of ancient Maya civilization, and the role of Spanish influence. Prerequisite: *Anthropology 212* or permission of the instructor. Two-hour lecture weekly. One-hour seminar fortnightly.

P. Healy

Anthropology 390, 391a, 392b

Reading course. A course designed to pursue special interests, largely through independent study. Signature of department required. Details to be arranged in consultation with faculty in Anthropology and proposals to be submitted to the Chair of the Department for approval and signature before registration.

Anthropology-Comparative Development 407

Politics, economics and culture. Prerequisite: *Anthropology 200* or permission of instructor. (Support course for *Comparative Development Studies*). (Not offered this year.)

Anthropology 411

Andean prehistory. Prerequisite: *Anthropology 212* or permission of instructor. (Offered in alternate years but not this year.)

Anthropology 412

Prehistory of Mesoamerica. Prerequisite: *Anthropology 212* or permission of the instructor. (Not offered this year.)

Anthropology 413

Prehistory of the Intermediate Area. A detailed survey of the ancient native cultures of lower Central America and northern south America from the earliest settlement to the 16th century. The course will examine the Precolumbian evolution of quite diverse cultures from Honduras to Ecuador, focusing upon aboriginal arts

and technologies (such as elaborate stone carvings, ceramics, and early metallurgy), contacts with the native civilizations of the Mesoamerican and Andean areas, trade, subsistence, and ceremonialism. Prerequisite: *Anthropology 212* or permission of instructor. Lecture and seminar weekly. (Offered this year and in alternate years.)

P. Healy

Anthropology-Canadian Studies 415

Prehistory of Ontario. Prerequisite: *Anthropology 212* or permission of instructor. (Offered in alternate years but not this year.)

Anthropology 420

The history and theory of anthropological thought. A discussion of principal trends in anthropological thinking in all of the field's subdisciplines from the nineteenth century to the present will be discussed. Prerequisite: *Anthropology 200, 212, 230 or 240*. A three-hour lecture/seminar weekly.

J. Harrison

Anthropology-Women's Studies 422

Women: an anthropological perspective. A methodological and theoretical re-evaluation of anthropology's approach to women. Cross-cultural approaches to biology, sex roles, ideology, politics, economics, kinship, etc. Prerequisite: *Anthropology 200*. Three-hour seminar weekly.

L. Hubbell

Anthropology 423

Non-verbal communication.

An introduction to non-verbal systems of communication in daily life and in visual and material representations.

Consideration is given to kinesics (gesture, posture, body movement), to proxemics (relations of persons and objects in space), and to visual representations (pictorial narratives, advertisements, photographs, films, video). Included is the examination of clothing, body ornamentation, and material possessions as vehicles of sociocultural transactions and communication. Prerequisite: *Anthropology 200* or permission of instructor. Two-hour seminar weekly.

J. Vastokas and R. Vastokas

Anthropology 425b

Social movements and cultural change in Eastern Europe. An analysis of the social and political transformations taking place in Eastern Europe with particular

emphasis on the continuity of traditional elements, the emergent systems, ethnicity, nationalism, and class. Prerequisite:

Anthropology 200 or permission of the instructor. Two-hour seminar weekly.
R. Vastokas

Anthropology 430

Field methods in linguistics. Prerequisite: *Anthropology 230* or permission of the department. Open to third year students. (Not offered this year.)

Anthropology 432a

Phonetics. A survey of articulatory and acoustic phonetics emphasizing the attainment of practical skills in the recognition and the recording of speech sounds. Prerequisite: *Anthropology 230* or permission of the instructor. Two-hour seminar weekly. (Offered this year and in alternate years.)

R. Hagman

Anthropology 433b

Grammatical theory. Prerequisite: *Anthropology 230* or permission of the instructor. (Not offered this year.)

Anthropology 442b

Applied anthropometry in modern societies. The methods of static, spatial and dynamic-functional measurements of the human body. The application of anthropometry in providing better relationships between humans and their technological innovations, i.e. tools, clothing, workspace, sports and medicine. Prerequisite: *Anthropology 240* or permission of instructor. One-hour lecture and two-hour lab session per week. (Offered this year and in alternate years.)

H. Helmuth

Anthropology-Comparative Development 475b

Perspectives on ethnicity. (See Comparative Development Studies.)

Anthropology 490, 491a, 492b

Reading course. A course designed to pursue special interests largely through independent study. Signature of department required. Details to be arranged in consultation with faculty in Anthropology and proposals to be submitted to the Chair of the department for approval and signature before registration.

Anthropology 495

Special Topics. Anthropology of tourism. From an anthropological perspective this course will examine the phenomena of tourism and tourists in general, the culture

of the contemporary tourist, the social and cultural impact of tourism development, its role in economic development and tourism and the tourist as cultural metaphor. Prerequisites: *AN200* and *AN309* or permission of instructor. (*AN309* may be taken concurrently). Limited enrolment. Two-hour seminar weekly.

J. Harrison

Anthropology 496a

Special Topics: Anthropology of race and racism. An in-depth survey of the historical development of the race concept in science and society, and its current status in teaching and research in anthropology, in the social and biomedical sciences, and its representation in popular culture. This is not meant to be a physical anthropology course *per se*, rather it draws upon discourses in history and philosophy of science, evolutionary theory, anthropological genetics, sociobiology, as well as other social and biomedical sciences. Prerequisites: *AN200* and *AN240*. Limited enrolment. One hour lecture and two-hour seminar weekly.

J. So

Biochemistry

Program Co-ordinators

Chair of the Department of Biology
J.F. Sutcliffe, B.Sc. (WATERLOO), M.Sc., Ph.D. (TORONTO)

Chair of the Department of Chemistry
J.M. Parnis, B.Sc, Ph.D. (TORONTO)

Professors

See listing of faculty in Biology and Chemistry.

Required Courses

Because it rests on the disciplines of Chemistry and Biology, Biochemistry can be studied only as a single-major. No joint-major programs exist.

The General program consists of a minimum of seven Biology, Chemistry, and Chemistry-Biology courses, including *Biology 150* or *101*, *Chemistry 120* and *130* or *Chemistry 113a*, *123b* and *133b* or *Chemistry 120*, *113a* and *133b* or *Chemistry 130*, *103a* and *123b*, *Biology 203*, *Chemistry/Biology 230b* and one other two-hundred level Chemistry course, *Biology 325a* and *326b* or *382*, *Chemistry-Biology 330*.

The Honours Program

Requirements for the General program must be met, plus; two of the *Chemistry-Biology 431a, 432b, 433b* half-courses, three other *four-hundred* level courses in Chemistry or Biology.

Notes:

For more detailed information, see separate Calendar entries for Biology and Chemistry.

Biology

Professor and Chair of the Department

J.F. Sutcliffe, B.Sc. (WATERLOO), M.Sc.,
Ph.D. (TORONTO)

Professors Emeriti

R.L. Edwards, M.A., D.Phil. (OXON);
P.M. Powles, B.A., (MCGILL), M.Sc.
(WESTERN ONTARIO), Ph.D. (MCGILL)

Professors

M. Berrill, B.Sc. (MCGILL), M.Sc. (HAWAII),
Ph.D. (PRINCETON); T.C. Hutchinson, B.Sc.
(MANCHESTER), Ph.D. (SHEFFIELD); R. Jones,
B.Sc. (WALES), M.Sc. (KANSAS), Ph.D.
(WALES) (on leave Fall term 1995-96);
D.C. Lasenby, B.Sc. (TRENT), Ph.D.
(TORONTO); I.M. Sandeman, B.Sc. (ST.
ANDREWS), F.L.S.

Associate Professors

M.G. Fox, B.Sc. (PENNSYLVANIA), M.E. DES.
(CALGARY), Ph.D. (QUEEN'S); T.R.
Matthews, B.Sc. (SOUTHAMPTON); C.D.
Maxwell, B.Sc. (WALES); E. Nol, B.Sc.
(MICHIGAN), M.Sc. (GUELPH), Ph.D.
(TORONTO) (on leave Winter term 1995-
96)

Assistant Professors

C. Kapron-Bras, B.Sc. (WATERLOO), Ph.D.
(MCGILL)

Adjunct Faculty

G. Mitchell, B.Sc. (TRENT), A.R.T.

Senior Demonstrator

D. Buelow, B.Sc. (TRENT), M.Sc. (TORONTO)

Associated Faculty

M. Havas, B.Sc., Ph.D. (TORONTO)

Note:

The curriculum of the Biology Department has been designed to allow students to specialize in one or more major approach to biology; A) physiology and medical biology, B) plant biology, C) animal biology, and/or D) ecology and evolution. Most of the courses offered by the Department are included in one or two

of four categories, representing these four approaches. A number of other cross-listed courses, offered by other departments, are also available.

First-year Course Biology 101

Upper-year Courses

Categories (See note above for descriptions)

A	B	C	D
203	201	204	202
310b	321a	309a	305
325a	322a	310b	314a
326b	324b	312	321a
382	327b	313b	327b
405	328a	314a	328a
408b		336b	350a
410a		382	360
411b		414a	403b
			404a
			414a
			439b

In some years, *a* half courses may be offered as *b* half courses and *b* half courses may be offered as *a* half courses.

The following cross-listed courses may be taken as Biology courses, but do not fulfil category requirements.

CE-BI 230b	AN-BI 340	ES-BI 240
CE-BI 330	AN-BI 341	ES-BI 304
CE-BI 430	AN-BI 343	ES-BI 412a
CE-BI 431a	AN-BI 441	ES-BI 406a
CE-BI 432b		ES-BI 407b
CE-BI 433b		ES-BI 413
		PS-BI 375a
		PS-BI 376b

Further specialization is possible through supervised independent study in *Biology 390, 490, 401 and 402*.

Required Courses

Note:

Courses appearing in two or more categories may only be counted in one of those categories.

The single-major Honours program consists of twenty courses with a minimum of ten in Biology, including: *Biology 101* and the equivalent of at least one full course from each of the four categories above. At least eight of the ten courses must be selected from the four categories. It is recommended that fourth quarter courses be at the *three- or four-hundred* level. In addition, *Chemistry 113a* and *Chemistry 123b* or *133b* are required.

The joint-major Honours program consists of twenty courses, with a minimum of seven in Biology, including: *Biology 101* and the equivalent of at least one full course from two of the four categories above. At least five of the seven courses must be selected from the four categories.

The single-major General program consists of fifteen courses of which at least six must be in Biology, including: *Biology 101* and the equivalent of at least one full course from three of the four categories above. At least four of the six courses must be selected from the four categories. In addition, *Chemistry 113a* and *Chemistry 123b* or *133b* are required.

The joint-major General program consists of fifteen courses of which at least five must be in Biology, including: *Biology 101* and the equivalent of at least one full course from two of the four categories above. At least three of the five courses must be selected from the four categories.

*Students who first registered prior to 1992-93 may substitute *Biology 150* or *Biology 100* for *Biology 101* and may complete their degrees by either satisfying the above requirements or satisfying the requirements that applied when they began their degrees (described in the 1991-92 Calendar). *Biology 400* or *490*, required for honours students prior to 1992-93, may be replaced by the equivalent number of *300* or *400* series credits in Biology.

Note:

To be eligible to graduate with a B.Sc. degree, a student must have completed a Grade 13/Ontario Academic Credit course in Mathematics, or equivalent, or a university level Mathematics course.

Highly Recommended Additional Courses

Chemistry 113a, 123b, 133b
Mathematics-Statistics 150
Chemistry 210a, 230b

Recommended Additional Courses

Environmental and Resource Science 100
Geography 101
Mathematics 100 or 110
Physics 100
Science 350

Biochemistry

For a program in biochemistry see the Chemistry section.

Notes:

- Students with a strong background in high school biology should consider taking a second year Biology course concurrently with *Biology 101*.
- Students without OAC Biology may major in Biology. Concurrently with *Biology 101*, students will be expected to attend extra classes which will provide some of the OAC Biology content. Additional required OAC material can be obtained from OAC textbooks.
- If fewer than ten students enrol in a course the format may be changed. If fewer than five students enrol in a course, it may be cancelled.
- All three-hundred and four-hundred series courses except *Biology 401/402*, and *490* can be taken in either the third or the fourth quarter of the Honours program, and some will be offered only in alternate years. Second year students wishing to register in a three-hundred or four-hundred series course may do so if they have the necessary prerequisites, otherwise they must obtain the permission of the instructor.
- Students planning to take *Biology-Environmental and Resource Science 202* should take *Mathematics-Statistics 150* in their first year.
- Where students lack the necessary prerequisites for a course, and are admitted on the instructor's permission, they should expect to carry a much heavier work load.
- Transfer students should consult with the Department Chair before selecting courses.
- Charges may be made for field trips in some courses.
- A student may take a maximum of two full reading course credits in Biology (the equivalent of one full course from *Biology 390, 391a, 392b* and *393c* plus the equivalent of one full course from *Biology 490, 491a, 492b* and *493c*), but may not take both in one academic session.
- The following courses may require the completion of the Animal Care course: *Biology 336b, 382, 401/402, 408b, 410a*. (See course descriptions.)
- Students intending to take the Graduate Record Examinations (GRE) Advanced Biology Test, required by some Canadian and American Graduate Schools, should include the following courses in their program: *Mathematics 100, Chemistry 130, or Chemistry 113a*

and *Chemistry 133b*, *Biology-Environmental and Resource Science 202*, and *Biology 203* and *360*.

- Students intending to pursue graduate studies should take *Biology 401/402*.

Biology 101

Biological interactions. An introduction to selected aspects of biology, including ecology, plant and animal associations, cell biology and molecular genetics, illustrated by examples of current biological interest, and providing the foundations for the four categories of upper-year courses. Two lectures weekly and one three-hour laboratory period fortnightly alternating with a fortnightly one-and-a-half-hour laboratory period. Fortnightly workshop for students lacking OAC biology or its equivalent.

D.C. Lasenby and staff

Biology 201

Biology of plants. An introduction to the diversity of plants, focusing on their evolution, design, nutrition, water relations, growth and reproductive biology. Two lectures and three-hour laboratory weekly, tutorials every three weeks.

C.D. Maxwell and staff

Biology-Environmental and Resource Science 202

Ecology. A study of the interactions between organisms and their environment; the study of individuals, populations and communities with emphasis on the current theoretical and practical problems in ecology. Prerequisite: One of *Biology 100*, *101* or *150*. Highly recommended: *Mathematics-Statistics 150*. Two lectures weekly, and three-hour laboratory fortnightly.

E. Nol and R. Jones

Biology 203

Cell biology. The development, physiology and genetics of cells and tissues. This course introduces students to cell biology. The course covers the basics of cell structure and function with some emphasis on areas of current interest to cell biologists such as signal transduction and molecular biology. Prerequisite: one of *Biology 100*, *101* or *150* and *Chemistry 130* or *Chemistry 113a* and *Chemistry 133b*. Two lectures weekly and three-hour laboratory fortnightly.

C. Kapron-Bras

Biology 204

Biology of invertebrates. An introduction to the diversity of invertebrate animals emphasizing their evolutionary relationships and focusing on functional, behavioral and ecological aspects of their biology. Two lectures and one three-hour laboratory weekly and tutorial every two to three weeks.

I.M. Sandeman and T.R. Matthews

Biology-Chemistry 230b

Elementary biochemistry. (See *Chemistry*.)

Biology-Environmental and Resource Science 240

Environmental microbiology. (See *Environmental and Resource Science*.)

Biology 305

Limnology. Ecology of freshwater ecosystems. Biology, geochemistry and physics of freshwater lakes, rivers and streams. Prerequisite: *Biology 100*, *101* or *150* and *Biology/ERS 202*. Highly recommended: *Chemistry 120*, *130*, *113a*, *123b* or *Chemistry 133b*. Lecture weekly, second lecture or workshop and three-hour lab fortnightly and field trips for which there will be no charge.

D.C. Lasenby

Biology 309a

Biology of insects. An introduction to the diversity of the insect world. Lectures emphasize insect behaviour, physiology and anatomy. Labs provide overviews of insect taxonomy and biology. Prerequisite: *Biology 100*, *101* or *150*.

Two lectures, three-hour laboratory weekly and occasional tutorials. An insect collection is required for this course. Equipment and materials for collecting will be available, for a cash deposit, from the Biology department from April of the preceding academic year.

J.F. Sutcliffe

Biology 310b

Medical entomology. (Not offered this year.)

Biology 312

Vertebrate zoology. The evolution, structural and functional morphology of the vertebrates. Prerequisite: *Biology 100*, *101* or *150*; Recommended: *Biology 202*. Lecture, three-hour laboratory weekly with required dissections and tutorial every three weeks.

Biology 314a

Fish ecology. The biology of fishes with emphasis on biotic and abiotic factors that affect their life histories, distribution, population dynamics, feeding and growth. Prerequisites: one of *Biology 100, 101 or 150* and *Biology-Environmental Resource Studies 202*. Highly recommended: *Mathematics-Statistics 150*. Two hours of lecture weekly and three hours of laboratory, fieldwork or workshop fortnightly.

M.G. Fox

Biology 321a

Plant ecology. A study of the relationships of plants to one another and to their environment. Prerequisite: *Biology 101, 150, 201* or permission of instructor. Lecture and three-hour laboratory or field studies weekly; seminar or tutorial fortnightly.

Biology 322a

Biology of seed plants. (Not offered this year.)

Biology 324b

Biology of the algae and cyanobacteria. An introduction to these important groups of plants which, though often considered a nuisance, are also one of the world's important natural resources. Their ecological role in both the marine and freshwater environments will be emphasized as well as their economic importance. Prerequisite: *Biology 100, 101 or 150*. Lecture, three-hour laboratory and seminar or tutorial weekly.

C.D. Maxwell

Biology 325a

Microbiology. An introductory course in microbiology with consideration given to the diversity of microscopic forms, their presence in various habitats, and their impact on mankind. This course places heavy emphasis on laboratory work. Prerequisite: *Biology 100, 101 or 150* and permission of instructor. Recommended: *Biology 203*. Two-hour lecture/tutorial and three-hour laboratory weekly.

Enrolment will be restricted to 30, and preference will be given to Biology students in their third and fourth years.

G. Mitchell

Biology 326b

Advanced microbiology. This course examines the principles of microbial ecology as it relates humans, lake water and sediments. The laboratory sessions are of a project nature and place heavy emphasis on independent laboratory

analysis. Students are required to be present in the laboratory twice per week.

Prerequisite: *Biology 325a*.

Recommended: *Biology 203*. Three-hour lecture/tutorial/laboratory setup and three-hour laboratory weekly.

G. Mitchell

Biology 327b

Plant population biology. (Not offered this year.)

Biology 328a

Stress ecology of plants. An examination of the ways in which plants, including individuals, populations and ecosystems, respond to stresses in the environment. Prerequisite: *Biology 100, 101 or 150*. Recommended: *Biology 202* and *203*. Lecture and seminar or tutorial weekly.

T. Hutchinson

Biology-Chemistry 330

General biochemistry. (See Chemistry.)

Biology-Psychology 336b

Animal behaviour. An introduction to the ecological, physiological and evolutionary mechanisms which influence the behaviour of animals, with particular emphasis on animal societies.

Prerequisites: *Biology 100, 101 or 150* and Animal Care Course for those involved in projects using vertebrates. Recommended: *Biology 202*. Lecture and film-seminar weekly, tutorial fortnightly, and projects equal to a three-hour laboratory weekly.

Biology-Anthropology 340

Primatology. (See Anthropology.)

Biology-Anthropology 341

Comparative osteology and human evolution. (See Anthropology.)

Biology-Anthropology 344a

Human genetics, growth and adaptability. (See Anthropology.)

Biology-Anthropology 346b

Human Growth and adaptation. (See Anthropology.)

Biology 350a

Biogeography. Major patterns of distribution and abundance of animal and plant species as affected by geological, ecological and evolutionary processes.

Prerequisites: At least one of *Biology 100, 101 or 150*, and *Biology 202*. Two hours of lectures weekly, seminar fortnightly, and an optional field trip.

Biology 360

Population genetics and evolution. A study of the biological processes and events of evolution, including modes of selection, sources of genetic variation, coevolution and tempo of evolution. Prerequisite: *Biology 100, 101 or 150*. Recommended: *Biology 202*. Two lectures per week, one lab or seminar every two weeks.

Biology-Psychology 375a

Principles of the nervous system. (See Psychology.)

Biology-Psychology 376b

Neuropsychology. (See Psychology.)

Biology 382

General physiology of animals. The general principles governing physiological processes in animals. Prerequisites: *Biology 101 or 150, 203 or 204*, and Animal Care Course. Highly recommended: *Chemistry 230b* and *Biology 203*. Lecture, three-hour laboratory weekly and tutorial or seminar fortnightly.

T.R. Matthews

Biology 390, 391a, 392b, 393c

Reading course. This course provides an opportunity for more intensive or broader study of a selected topic under the guidance of a faculty member. Open to students who have obtained credits in at least two full courses taught by members of the department of Biology and who have an average of at least 75% in the Biology courses they have taken. Students wishing to enrol in this course must complete an application form available from the Department Secretary. It is the responsibility of the applicant to find a course supervisor and a second reader. All University deadlines as specified in the University Calendar apply. These courses may not be taken in the same academic session as *Biology 490, 491a, 492b* and *493c*.

T.R. Matthews and staff

Biology 395, 396a, 397b, 398c

Special topics in biology. These courses are not established as part of the regular biology program and are offered when staffing is available. The topics are in the fields of interest and expertise of the instructor. If offered, the courses will be advertised in the Biology Department.

Biology 401, 402

Research thesis. *Biology 402* is a double credit in Biology. *Biology 401* is a single credit involving the same thesis as submitted to the other

department/program in a joint major. In this research course students will investigate a specific field of interest under the guidance of a faculty member. The Animal Care Course is a prerequisite, if applicable. To qualify for research theses courses (*Biology 401* and *402*) students should have a 75% average in Biology courses, and the willingness of a faculty member to supervise the project. (In some cases, it may be possible to take *Biology 402* with a 70% average in Biology courses if recommended by a faculty member willing to supervise it.) To be accepted into a joint thesis course the student must meet the requirements of both departments/programs.
R. Jones and E. Nol

Biology-Environmental and Resource Science 403b

Research design and data analysis. (not offered this year)

Biology 404a

Coral reef biology. An introduction to the ecology and physiology of coral reef organisms and communities. Compulsory week-long field trip to Jamaica in the Fall Reading Week at cost to student. Prerequisites: *Biology 202* and *Biology 204* and at least one other course in Biology or permission of instructor. Lecture and seminar weekly. Field trip represents the equivalent of about three hours work weekly. Enrolment will be limited.

T.R. Matthews and staff

Biology 405

Electron microscopy. The biological applications of light, transmission and scanning electron microscopy. Practical instruction in techniques used in the study of the fine structures of plant and animal tissues. Prerequisite: at least one of *Biology 100, 101 or 150*. Lecture, tutorial and three-hour laboratory weekly. Enrolment will be restricted, with preference given to Honours Biology majors and Joint majors in the 4th quarter of their programs, and who have taken *Biology 203*. Registration will be by written permission of the instructor.

J.F. Sutcliffe

Biology 408b

The cellular and molecular bases of embryonic development. This course will focus on how the intricate processes of embryonic development are dependent on common cellular and molecular mechanisms, including cell division, cell death, adhesion, migration, protein production, and intra- and intercellular

signalling. Prerequisite: *Biology 100, 101 or 150, Biology 203 and Animal Care Course*. Highly recommended: *Chemistry 230b*. Two lectures weekly, three-hour laboratory and seminar fortnightly.
C. Kapron-Bras

Biology 410a

Parasitology. The ecology, life cycles, physiology and host interactions of the major groups of animal parasites. Prerequisite: *Biology 204*. The Animal Care Course will be required for those intending to study vertebrates. Two lectures, three-hour laboratory period and tutorial weekly.
I.M. Sandeman

Biology 411b

Infectious disease biology. Since the recognition of AIDS as a global epidemic, it has become apparent that pathogenic organisms are continually evolving ways around our natural (immune) and technological (antibiotics, vaccines) defences. This course examines current concepts of the nature, development and spread of pathogenic agents (drug resistant bacteria, emergent viruses, prions, etc.) and looks at developments in prevention and treatment of infectious disease. Prerequisites: *Biology 101*. Highly recommended: *Biology 203, 325a and 410a*. Two lectures weekly, one and one-half hour tutorial fortnightly.
J. Sutcliffe

Biology-Environmental Resource Science 412a

Environmental health. (See Environmental and Resource Science.) (Not offered this year.)

Biology 414a

Ornithology. An introduction to the study of birds with emphasis on field and behavioural ecology of birds. Field identification, anatomy, physiology, phylogenetic trees and mapping of behavioural characteristics, field census and trapping techniques, bird management. Prerequisite: *Biology 101 and 202*. Lecture weekly, one-two hour laboratory weekly, two-hour problem solving workshop fortnightly.
E. Nol

Biology-Environmental and Resource Science 413

Aquaculture and fisheries management. (See Environmental and Resource Studies.)

Biology-Chemistry 431a

Development of enzymology. (See Chemistry.)

Biology-Chemistry 432b

Theoretical aspects of enzymology. (See Chemistry.)

Biology-Chemistry 433b

Secondary metabolism. (See Chemistry.)

Biology 439b

Conservation biology. This course will focus on the causes and consequences of reductions to biodiversity and the design of strategies to counterbalance these reductions. It will attempt to provide a balanced overview of the discipline outlining both its biological and its human oriented dimensions. Prerequisites: *Biology 101 and 202*. Two hours of lectures and seminar weekly.

Biology 490, 491a, 492b, 493c

Reading course. This course provides an opportunity for more intensive or broader study of a selected topic under the guidance of a faculty member. Open to students in their fourth quarter who have obtained credits in two full courses taught by members of the Department of Biology and who have an average of at least 75% in the Biology courses they have taken. Students wishing to enrol in this course can obtain an application form from the Department Secretary. It is the responsibility of the applicant to find a course supervisor and a second reader. All University deadlines as specified in the University calendar apply. These courses may not be taken in the same academic session as *Biology 390, 391a, 392b and 393c*.

T.R. Matthews and staff

Biology 495, 496a, 497b, 498c

Special topics in biology.

These courses are not established as part of the regular biology program and are offered when staffing is available. The topics are in the fields of interest and expertise of the instructor. If offered, these courses will be advertised in the Biology Department.

Canadian Studies

Professor and Chair of the Program

C. Verduyn, B.A. (TRENT), M.A., PH.D.
(OTTAWA)

Founding President and Vanier Professor Emeritus

T.H.B. Symons, O.C., B.A. (TORONTO), M.A.
(OXFORD), LL.D. (CONCORDIA, DALHOUSIE,
LAURENTIAN, MANITOBA, MOUNT ALLISON,
NEW BRUNSWICK, PRINCE EDWARD ISLAND,
TRENT, WILFRED LAURIER, YORK), D.U.
(OTTAWA), D.LITT. (COLOMBO), DIPLÔME
D'ÉTUDES COLLÉGIALES (DAWSON), F.R.S.C.

Professors Emeriti

G. Roper, M.A., PH.D. (CHICAGO); A.
Wilson, M.A. (DALHOUSIE), PH.D. (TORONTO)

Professors

J.E. Struthers, M.A. (CARLETON), PH.D.
(TORONTO); J.H. Wadland, M.A.
(WATERLOO), PH.D. (YORK) (on leave 1995-
96)

Associate Professors

D. Clarke, B.A. (TRENT), M.A. (MCMASTER),
PH.D. (CARLETON); M. Lacombe, M.A., PH.D.
(YORK)

Conjunct Professor

S.G.D. Smith, B.A. (MCGILL), M.A., B.LITT.
(OXFORD), D.LITT. (TRENT)

Adjunct Faculty

S.D. Grant, M.A. (TRENT); J. Favreau, M.A.
(TRENT); M. McGraw, M.S.W. (CARLETON)

Associated Faculty

Anthropology, J. Harrison, S.M. Jamieson,
J.M. Vastokas; *Comparative Development
Studies*, D.R. Morrison; *Cultural Studies*,
J. Bordo; *Economics*, J. Muldoon, P.
Wylie; *English Literature*, G.A. Johnston,
S.H.W. Kane, O.S. Mitchell, J.E. Neufeld,
M.A. Peterman, Z. Pollock;
Environmental and Resource Studies, T.
Whillans; *French*, J.-P. Lapointe;
Geography, A.G. Brunger, F.M.
Helleiner, J.S. Marsh; *History*, B.W.
Hodgins, J.N. Jennings, E.H. Jones,
P.D.W. McCalla, J. Sangster, S.D.
Standen, K. Walden; *Native Studies*, P.
Kulchyski, J.S. Milloy; *Philosophy*, J.W.
Burbidge; *Political Studies*, R. Campbell,
E. Helleiner, K.R.V. Lyon, R.C. Paehlke,
J. Wearing; *Sociology*, J. Conley, B.
Marshall, G. Thibault; *Women's Studies*,
S. Arat-Koc, M. Hobbs

The Canadian Studies Program is not
founded upon a single department, but is
the product of co-operation by members
of several departments and programs

within the University. At all levels the
Program encourages the interdisciplinary
examination of Canadian experience.

Notes:

- Students must have completed at least three courses before enrolling in any Canadian Studies course. Exceptions by permission of the instructor only.
- There is no *one-hundred* level course requirement for intending majors in Canadian Studies, but students are strongly encouraged to include in the first year of their program one or more courses that make Canada a central focus, such as *History 100* or *Native Studies 100*.
- Students normally must have completed fifteen courses before enrolling in a *four-hundred* series course. Exceptions by permission of the instructor only, with notice to the Program Chair.
- Available at the office of the Chair is a Program Brochure, providing detailed information about course options for students in Canadian Studies, scholarships and prizes, reading course requirements, and graduate studies.

Required Courses

The single-major Honours program consists of nineteen courses. Minimum nine courses in Canadian Studies. These courses will include *Canadian Studies 200*, *Canadian Studies 300*, *Canadian Studies 352* and at least three *four-hundred* series Canadian Studies courses.

Joint-major Honours program. Minimum seven courses in Canadian Studies. These courses will include *Canadian Studies 200*, *Canadian Studies 300*, *Canadian Studies 352* and at least two *four-hundred* series Canadian Studies courses.

Joint-major General program. Minimum five courses in Canadian Studies. These courses will include *Canadian Studies 200*, *Canadian Studies 300*, and *Canadian Studies 352*.

Canadian Studies-Environmental and Resource Studies 200

Canada: The land. An interdisciplinary enquiry into the function and idea of the land in Canadian culture; concepts of the land in history, geography, literature, art, economics, politics and philosophy; settlement and resource development, land policy, aboriginal rights, bioregionalism and social ecology. Lecture weekly; tutorial weekly.

Staff

Canadian Studies-Politics 201
Canadian politics. (See Political Studies.)

Canadian Studies-History 235
Canada since 1914. (See History.)

Canadian Studies-Environmental Studies 250

Canadian natural resource theory and management. (See Environmental Studies.)

Canadian Studies-Anthropology-Native Studies 253

Aboriginal Art of North America. (See Anthropology.)

Canadian Studies-History 254
Canada and the modern experience. (See History.)

Canadian Studies-Native Studies-History 255

History of the Indians of Canada. (See Native Studies.)

Canadian Studies-Economics 260a
Canadian economic growth and development I: up to 1929. (See Economics.)

Canadian Studies-Economics 261b
Canadian economic growth and development II: after 1929. (See Economics.)

Canadian Studies-Geography 263a
Historical Geography. (See Geography.)

Canadian Studies-English 265
English Canadian Prose. (See English Literature.)

Canadian Studies-English-Women's Studies 266

Canadian Women's Writing. Works by women in both English Canada and Quebec with special emphasis on contemporary literary theories (feminist, postmodern, postcolonial) and practices (including fiction-theory, lifewriting).
C. Verduyn

Canadian Studies-Native Studies-History 270

History and politics of the Metis and non-status Indians of Canada. (See Native Studies.)

Canadian Studies-Women's Studies 275
Women in Canada (Not offered in 1995-96.)

Canadian Studies-Native Studies 285
Native People and the North. (See Native Studies.)

Canadian Studies 290

Religion in Canada. A consideration of the role religious traditions have played in Canadian culture. Two-hour seminar weekly.

J. Burbidge

Canadian Studies-History 300

Canada: Communities and identities. An interdisciplinary study of regionalism ethnicity and community in Canadian life. First Term: regional identity in Western, Atlantic, Central and Northern Canada. Second Term: immigration, multiculturalism, minority rights, and ethnic identity. Lecture weekly; seminar fortnightly.

J.E. Struthers

Canadian Studies-History-Politics 301

Canadian political culture, 1864 to the present. (See History.)

Canadian Studies-History 302

The emergence of modern Quebec, 1886-1970. (See History.)

Canadian Studies-History 303

Early French Canada: economic, social, institutional and ideological foundations of Quebec. (See History.)

Canadian Studies-Politics 305

Politics and society in Quebec. (See Political Studies.)

Canadian Studies-History 308

Business history: The Canadian experience in international perspective, 1650-1960. (See History.)

Canadian Studies-Politics 309

Ontario politics. (See Political Studies.)

Canadian Studies-Environmental and Resource Studies 310

Public policy and the Canadian environment. (See Environmental and Resource Studies.)

Canadian Studies-History-Women's Studies 316

Women in North America. (See History.)

Canadian Studies-Politics 322

The Politics of North American Economic Integration (See Political Studies.)

History - Canadian Studies 324

Canada: The North (See History.)

Canadian Studies-French 325

Théâtre et poésie du Québec. (See MLL-French section.)

Canadian Studies-Geography 332b

Settlement Geography. (See Geography.)

Canadian Studies-Environmental and Resource Studies-Geography 333a
Wilderness resources. (See Geography.)

Canadian Studies-Sociology 340
Sociology of education. (See Sociology)

Canadian Studies-Anthropology-Native Studies 351
Art, architecture and society. (See Anthropology.)

Canadian Studies 352
La Francophonie: French identities in Canada. Overview of the cultural perspectives and historical experiences of Québécois, franco-American, Acadian, "Ontariois" and Franco-Manitoban communities. Brief overview of 19th century; primary focus on modern and contemporary period. Lectures, films, readings, and tutorials in English, but French texts optional and one French tutorial available if numbers warrant. Weekly lecture; fortnightly tutorial.
M. Lacombe

Canadian Studies-Cultural Studies 356
(Post) Modernity and the sublime. (See Cultural Studies.)

Canadian Studies-English-Native Studies 360
Native peoples in literature. (See English Literature.)

Canadian Studies-Geography 361
Geography of Canada. (See Geography.)

Canadian Studies-Politics 362
Public policy and administration in Canada. (See Political Studies.)

Canadian Studies-Geography 363b
Historical Geography of Canada before 1900. (See Geography.)

Canadian Studies-Geography 364 (a/b)
Geography of the Polar regions. (See Geography.)

Canadian Studies-English 365
English-Canadian poetry. (See English Literature.)

Canadian Studies-Politics 366
Canadian political economy. (See Political Studies.)

Canadian Studies-Geography 371 (a/b)
Urban planning. (See Geography.)

Canadian Studies-Geography 376 (a/b)
The urban-rural fringe. (See Geography.)

Canadian Studies-French 383
Le roman québécois. (See MLL-French Section.)

Canadian Studies-Economics 384b
Health economics. (See Economics.)

Canadian Studies-Sociology 389
The social structure of Canada. (See Sociology.)

Canadian Studies 390, 391a, 392b, 393c
Reading course. A structured course arranged between student and instructor, approved by the Program Chair, involving independent study of material. Regular meetings and detailed written work. See Program Brochure for further details and requirements.

Canadian Studies 395, 396a, 397b, 398c
Special topic 1995-96: *Canadian Studies-Women's Studies 3952* Immigrant women in Canada. (See Women's Studies.)

Canadian Studies 401
Single credit Honours thesis. Arrangements to be made through the Program Chair.

Canadian Studies 402
Double credit Honours thesis. Arrangements to be made through the Program Chair.

Canadian Studies-History 403
Canadian intellectual and cultural history. (See History.)

Canadian Studies-Politics 405
Contemporary Canadian problems. (See Political Studies.)

Canadian Studies-History 406
Upper Canada. (See History.)

Canadian Studies-History 407
The Canadian-American frontier. (See History.)

Canadian Studies-Anthropology 415
Prehistory of Ontario. (See Anthropology.)

Canadian Studies-History 422
Canada: The North. (See History.)

Canadian Studies-History-Native Studies 425
The evolution of the settlement commonwealth. (See History.)

Canadian Studies-Sociology 445
The media and communications in Canada. Overview of the history and political economy of the media industries, including publishing, film, radio, television, and new communication technologies. Special topics include media ownership and control, the process of television news production, and the dynamics of media reception.
Prerequisite: *Canadian Studies 300* or *389*

or permission of the instructor. Two-hour seminar weekly.

D. Clarke

Canadian Studies-Comparative Development-Politics 464

Canada and International Development (See Comparative Development Studies.)

Canadian Studies-English 465

Advanced studies in Canadian Literature. (See English Literature.)

Canadian Studies-English 466

Canadian literary pluralities. An introduction to work by writers of immigrant, ethnic or racial minority identification in Canada. After an initial exploration of the theoretical issues involved in the study of this literature, the course will examine a selection of literary works. Prerequisite: *Canadian Studies 266* or *300*, or permission of the instructor.

C. Verdun

Canadian Studies-Environmental and Resource Studies 470

Bioregionalism: The Otonabee River Watershed, Haliburton Section. Ecology, history and culture; sustainable development; appropriate technology; regional planning. Permission of instructor required prior to pre-registration. Two-hour workshop and one-hour tutorial weekly.

T. Whillans

Canadian Studies-History 475

History of everyday life. (See History.)

Canadian Studies-History 477

Studies in Canadian social policy. This research course examines the evolution of social policy from the early 19th to the late 20th century; governmental, professional and organizational responses to poverty, disease, old age, mental illness, physical disability, family fragmentation. Seminar Weekly.

J.E. Struthers

Canadian Studies 485, 486a, 487b, 488c

Field course. A structured course of supervised activity in the field, including detailed written work. Arrangements to be made through Program Chair.

Canadian Studies 490, 491a, 492b, 493c

Reading course. A structured course arranged between student and instructor, approved by the Program Chair, involving independent study of material. Regular meetings and detailed written work. See Program Brochure for details and requirements.

Canadian Studies 495, 496a, 497b, 498c
Special topics: In 1995-96, there are two special topics:

Canadian Studies-Women's Studies 4951

Selected topics in Global Feminism: Ecofeminism. (See Women's Studies.)

Canadian Studies 4954

Maritime Literatures and Cultures. An exploration of the relation of traditional cultures to modernity in the Maritime provinces and Newfoundland. Topics include Loyalist, Acadian, Irish, Scots, African, aboriginal and gendered perspectives as well as issues of class and language. Comparative approaches are encouraged; students can address these topics from the perspectives of geography, history, literature, folklore, women's studies, native studies, anthropology or cultural theory, although required readings and seminar topics emphasize history and literature.

M. Lacombe

Diploma Program in Canadian Studies

The Canadian Studies Program offers a special Diploma for students who wish to undertake a single academic year (September-April) focused directly upon Canadian political economy, society, environment and culture. Individuals wishing to enrol in the diploma program must apply, in writing, to the Chair of the Canadian Studies Program, indicating course preferences. As the number of spaces is limited, acceptance is not automatic. A committee made up of faculty members teaching in the Canadian Studies Program, will select the successful candidates in consultation with the Admissions Committee.

Eligibility

Applicants must either be students registered in, or graduates of an accredited post-secondary educational institution *other than Trent University*. An official transcript, including evidence of the content of courses completed and grades received must accompany the application.

Language Requirements

In accordance with University regulations applicants must have a competence in written and spoken English. Facility in the French language is desirable but not compulsory.

Special Events

All students admitted to the Diploma program will attend field trips, films, special lectures and conferences as part of their curricular activity.

Visas, Fees and Accommodation

International students admitted to the Diploma program are expected to make their own arrangements for visas, financing and accommodation during the year at Trent. Nevertheless, every effort will be made to assist in this process.

The Diploma

The official Diploma will be awarded in the Spring. With it will be included an official Trent University transcript identifying all courses undertaken and grades received.

Course Requirements

All students admitted to the Diploma program will be required to take five courses, of which one may be an independent directed reading course arranged through the Program, and the Canadian Studies Colloquium. One course must be selected from each of columns A, B and C (for a total of three courses):

A Studies in the Social Sciences	B Studies in Regionalism and the Environment	C Studies in Culture
201	200	253
230	221	254
235	285	265
255	300	266
260a	302	290
261b	303	325
270	305	356
275	309	352
301	332a/b	357
308	333a/b	360
316	361	365
322	364a/b	383
340	371a/b	403
362	376a/b	413
366	406	445
370	407	465
375	415	466
384b	422	
389	470	
405		
410		
425		
460		
475		
477		

All students must enroll in either *Canadian Studies 200* or *Canadian Studies 300*. Students must complete formal courses with a mark of 60% or better in order to qualify for the Diploma.

Chemical Physics

Program Co-ordinators

Chair of the Department of Chemistry
J.M. Parnis, B.SC., PH.D. (TORONTO)

Chair of the Department of Physics
P.C. Dawson, M.SC. (TRENT), PH.D. (VICTORIA)

Professors

See listing of faculty in Chemistry, Mathematics and Physics

Required Courses

The program in Chemical Physics is a sequence of mutually supportive courses offered by the Departments of Chemistry, Physics and Mathematics that comprise an integrated whole. Not available as a joint-major.

The General program consists of a minimum of ten courses in the three disciplines, including:

Chemistry 113a and 123b; or 120

200

300

Physics 100

202a

302a or 302b

321

Mathematics 110

200

301 or 205a and 305b

either *Chemistry 130* or a two-hundred or three-hundred level Physics or Chemistry course.

The Honours Program

Requirements for the General program must be met, plus: two of *Chemistry 403a, 404b, 405b*; *Physics 400*; three more courses in Chemistry, Physics or Mathematics, of which two must be at the four-hundred level.

Notes:

- For more detailed information, see separate Calendar entries for Chemistry and Physics.
- Students wishing to transfer to a single-major program should consult the appropriate Department Chair before commencing the third quarter.

Chemistry

Associate Professor and Chair of the Department

J.M. Parnis, B.Sc., Ph.D. (TORONTO)

Professors Emeriti

S.A. Brown, B.S.A. (TORONTO), M.S., Ph.D. (MICHIGAN STATE); K.B. Oldham, Ph.D., D.Sc. (MANCHESTER), F.C.I.C.; A.H. Rees, M.A., Ph.D. (CAMBRIDGE), M.A. (OXFORD), Ph.D. (LONDON), F.C.I.C., ASSOC. R.C.S.; R.A. Stairs, B.Sc. (MCGILL), M.Sc. (WESTERN ONTARIO), Ph.D. (CORNELL), F.C.I.C.

Professors

P.F. Barrett, M.Sc. (QUEEN'S), Ph.D. (TORONTO), F.C.I.C.; E.G. Lewars, B.Sc. (LONDON), Ph.D. (TORONTO); R.E. March, B.Sc. (LEEDS), Ph.D. (TORONTO), F.C.I.C.

Associate Professor

R.G. Annett, B.Sc., Ph.D. (WINDSOR)

Assistant Professor

J.F. Cormier, B.Sc. (ST. FRANCIS XAVIER), Ph.D. (MCGILL)

Conjunct Associate Professors

R.C. Makhija, M.Sc., Ph.D. (LUCKNOW), C.CHEM., F.C.I.C.; A.M. Zobel, M.Sc., Ph.D. (WARSAW)

Senior Demonstrator

H. Al-Haddad, B.Sc. (BAGHDAD), Ph.D. (STRATHCLYDE), M.C.I.C.

Demonstrator

S. Landry, B.Sc. (TRENT)

Required Courses

The single-major Honours program consists of twenty courses of which at least ten must be Chemistry courses, including:

Chemistry 103a, 113a and 123b; or Chemistry 120, 113a and 133b; or Chemistry 130, 103a and 123b; or Chemistry 120 and 130

Chemistry 200

Chemistry 210a and 211b

Chemistry 240a

three *three-hundred level* Chemistry courses

four *four-hundred level* courses, of which one may be from another discipline, including at least three Chemistry lecture half-courses and no more than two credits from project courses.

Joint-major Honours program. To arrange an appropriate program, early consultation with both departments is urged. A minimum of seven courses in Chemistry is required, including:

Chemistry 103a, 113a and 123b; or

Chemistry 120, 113a and 133b; or Chemistry 130, 103a and 123b; or Chemistry 120 and 130
three *two-hundred level* or *three-hundred level* Chemistry courses
two *four-hundred level* Chemistry courses.

Single-major General program. Minimum six Chemistry courses, including:
Chemistry 103a, 113a and 123b; or Chemistry 120, 113a and 133b; or Chemistry 130, 103a and 123b; or Chemistry 120 and 130

Chemistry 200

Chemistry 210a

Chemistry 240a

two *three-hundred level* or *four-hundred level* Chemistry courses.

Joint-major General program. Minimum five Chemistry courses, including:
Chemistry 103a, 113a and 123b; or Chemistry 120, 113a and 133b; or Chemistry 130, 103a and 123b; or Chemistry 120 and 130
three *two-hundred level* or *three-hundred level* Chemistry courses.

See also listings under Biochemistry and Chemical Physics.

Special Provisos

- In order to meet the University requirement of a minimum grade of 60% in an introductory chemistry course, the average of the two final marks obtained in either *Chemistry 113a* and *Chemistry 123b* or *Chemistry 113a* and *Chemistry 133b* must be at least 60% and a minimum mark of 50% must be attained in each of the two courses.
- Students who had successfully completed two or more full Chemistry courses at the *two-hundred level* prior to September 1992 are not required to take *Chemistry 240a* for the purpose of fulfilling single-major, General or Honours Chemistry degree requirements.
- If successfully completed before September 1994, the combination of *Chemistry 240a* and *Chemistry-Environmental and Resource Science 341b* may be regarded as a full *three-hundred series* course in Chemistry.
- Departures from the normal pattern of courses may sometimes be permitted. Apply to the Chair.

Notes:

- First year students who intend to major in Chemistry or Biochemistry are encouraged to take all of *Chemistry*

103a, 113a, 123b and 133b in the first year.

- First year students who wish to take one Chemistry credit only, and whose principal interest is in Physics or Mathematics or Environmental and Resource Studies, should enrol in *Chemistry 113a* and *123b*.
- First year students who wish to take one Chemistry credit only, and whose principal interest is in the life sciences should enrol in *Chemistry 113a* and *133b*.
- First year Chemistry courses proceed at a pace appropriate to students with an OAC or equivalent in Chemistry. Students without this background may need to undertake extra studies; they should contact the instructor prior to registration, so that special arrangements can be made.
- Students who intend to major in Chemistry should note that a grounding in Physics and in Mathematics is essential.
- All students taking one or more Chemistry courses pay a laboratory deposit of \$60 for one laboratory course or \$100 for two or more laboratory courses. This deposit may be returned wholly or in part depending on breakages incurred.
- Laboratory manuals or other course materials, where provided are subject to a charge.

Chemistry 103a

Quantitative tools in chemistry. Basic numerical, symbolic, graphical, and computing skills, as are required in chemistry. Three lectures and one tutorial meeting weekly.

Staff

Chemistry 113a

Introductory general and organic chemistry. An introduction to chemistry of an inherently qualitative nature. Essential aspects of general and organic chemistry to serve as a foundation for further courses in chemistry, biochemistry and biology. Three lectures weekly; laboratory and problem session in alternate weeks.

J.F. Cormier

Chemistry 123b

Introductory physical and inorganic chemistry. The chemical structure of the three states of matter and of solutions. An introduction to how such systems behave thermodynamically and kinetically. Prerequisite: *Chemistry 113a*. Three

lectures weekly; laboratory and problem session in alternate weeks.

R.E. March

Chemistry 133b

Introductory biochemistry. Of interest to both biologists and chemists, this course introduces the chemical concepts underlying biologically-important compounds and processes. Prerequisite: *Chemistry 113a*. Two lectures weekly; laboratory and problem session in alternate weeks.

R.G. Annett

Chemistry 200

Elementary physical chemistry. The kinetic theory of gases; thermodynamics of physical and chemical processes; chemical kinetics; electrochemistry. Prerequisites: *Chemistry 120* or the combination of *Chemistry 103a* and *Chemistry 123b*; *Mathematics 110* (preferred for students continuing in physical chemistry), *Mathematics 100* or permission of instructor. First half year: one tutorial and three lectures weekly; second half year: one laboratory and two or three lectures weekly.

Staff

Chemistry 210a

Elementary organic chemistry. Chemical techniques and the chemistry of those important classes of organic compounds that form the basis of both organic chemistry and biochemistry. Prerequisite: *Chemistry 113a* or *130*. Three lectures and laboratory weekly; tutorial to be arranged.

J.F. Cormier

Chemistry 211b

Continuing organic chemistry. Main classes of compounds including some with more than one functional group. Synthetic methods and mechanisms; spectroscopy; qualitative organic analysis; laboratory preparations. Prerequisite: *Chemistry 210a*. Three lectures and laboratory weekly; tutorials to be arranged by instructor.

J.F. Cormier

Chemistry-Biology 230b

Elementary biochemistry. Designed to interest both chemists and biologists, this course deals with the properties of biologically-important compounds, and the mechanisms and energetics of metabolic processes. Prerequisite: *Chemistry 210a*. Two lectures weekly; laboratory or tutorial in alternate weeks.

Staff

Chemistry 240a

Analytical chemistry. The theory of chemical equilibrium as it applies to chemical analysis; experiments in gravimetric and volumetric analysis. Prerequisite: *Chemistry 123b*. Corequisite: *Chemistry 103a*. Two lectures and laboratory weekly; tutorials to be arranged by instructor.

P.F. Barrett

Chemistry 300

Physical chemistry. Introduction to quantum chemistry, chemical bonding, statistical mechanics, spectroscopy and reaction rate theory. Prerequisite: *Chemistry 200*. Recommended: *Mathematics 200*. Two lectures weekly, tutorials fortnightly; laboratory weekly. Seminars to be arranged.

R.E. March

Chemistry 310

Advanced organic chemistry. A survey of organic chemistry; Theoretical and mechanistic aspects will be emphasized. Prerequisite: *Chemistry 211b*. Two lectures or tutorials and one laboratory weekly.

E.G. Lewars

Chemistry 320

Inorganic chemistry. Atomic structure and its relation to chemical properties of the elements, theories of chemical bonding, stereochemistry of inorganic compounds, coordination chemistry. Prerequisite: *Chemistry 200*; or *Chemistry 123b* with permission of instructor. Two lectures and laboratory weekly; tutorial or seminar in alternate weeks.

P.F. Barrett

Chemistry-Biology 330

General biochemistry. Chemical processes in animals, higher plants and micro-organisms; composition of tissues; biocatalysis and the nature of enzymes; energy relationships; the formation and degradation of metabolically important compounds and the control of metabolism. Prerequisite: *Chemistry-Biology 230b* or *Chemistry 211b*. Two lectures and laboratory weekly; tutorial or seminar in alternate weeks.

Staff

Chemistry-Environmental and Resource Science 341b

Instrumental analysis. Theory and practice of electrochemical, spectroscopic and chromatographic methods in analysis; sampling theory and strategies; trace analysis. Prerequisite: *Chemistry 240a*.

Laboratory and three lectures weekly, tutorials to be arranged by instructor.

Staff/C.D. Metcalfe

Chemistry 403a

Electrochemistry. (Not offered this year.)

Chemistry 404a

Gas phase reaction dynamics.

Prerequisite: *Chemistry 300*. Two lectures, tutorials or seminars weekly.

R.E. March

Chemistry 405b

Quantum mechanics in chemistry. Fundamentals and applications of quantum mechanics in chemical systems. Wave functions, rotational and vibrational motion, structure of atoms and molecules, bonding theories, spectroscopy. Prerequisite: *Chemistry 300* and *Mathematics 200* or permission of instructor. Three lecture hours per week.

J.M. Parnis

Chemistry 410b

Qualitative Spectroscopic Analysis. Application of UV-visible, infrared, nuclear magnetic resonance and mass spectroscopy to the elucidation of molecular structure. Two lecture hours weekly. Prerequisite: *Chemistry 211b*.

J.F. Cormier

Chemistry 412a

Modern organic synthesis. Prerequisite: *Chemistry 310*. Two lectures, tutorials or seminars weekly.

E.G. Lewars

Chemistry 413b

Computational Chemistry. The use of molecular mechanics, semi-empirical and ab initio methods in the investigation of molecular structure and reactivity. Prerequisite: *Chemistry 200* and *Chemistry 211b*. Two lectures, tutorials or seminars weekly.

E.G. Lewars

Chemistry 421b

Organometallic chemistry. Prerequisite: *Chemistry 320*. One two-hour discussion meeting weekly.

P.F. Barrett

Chemistry-Physics 422a

Principles and applications of group theory. Principles and applications of symmetry and group theory in molecular systems. Quantum mechanics, molecular orbital theory, ligand field theory, electronic and vibrational spectroscopy. Prerequisite: *Chemistry 300* or *Chemistry*

320 or *Physics 302a* or permission of instructor. One two-hour lecture or discussion meeting weekly.

P.F. Barrett

Chemistry 423a

Advanced topics in inorganic chemistry. (Not offered this year.)

Chemistry-Biology 431a

Development of enzymology.

Prerequisite: *Chemistry-Biology 330*.

Lecture weekly; tutorial and seminar in alternate weeks.

R.G. Annett

Chemistry-Biology 432b

Theoretical aspects of enzymology. (Not offered this year.)

Chemistry-Biology 433b

Secondary metabolism. Prerequisite: *Chemistry-Biology 330*. Lecture weekly, tutorial and seminar in alternate weeks.

Staff

Chemistry 451

Project course in chemistry or biochemistry. Study, usually involving experimental research, under the supervision of a faculty member. Seminars and written report. About eight hours per week. Prerequisite or corequisite: two chemistry lecture half-courses at the four-hundred level. Permission required. Contact Coordinator as soon as possible and no later than the beginning of the previous term.

Coordinator: J.F. Cormier

Chemistry 452

Double-credit project course in chemistry or biochemistry. About 16 hours per week; otherwise, as *Chemistry 451*.

Coordinator: J.F. Cormier

Chemistry 453a, 454b, 455c

Half-credit project courses in chemistry or biochemistry. As *Chemistry 451*; about eight hours per week (about four hours for *Chemistry 455c*).

Coordinator: J.F. Cormier

Chemistry 490

Reading course: Topics from one of the following fields: analytical chemistry, biochemistry, inorganic chemistry, organic chemistry, physical chemistry, and theoretical chemistry. Project work outside the laboratory may be involved. Offered only by prior arrangement; see Chair.



Classical Studies

Chair of the Department

K.H. Kinzl, DR.PHIL. (VIENNA)

Professors

J.P. Bews, B.A. (QUEEN'S), M.A., PH.D. (LONDON); I.C. Storey, B.A. (UNIV. TRIN. COLL.), M.A., PH.D. (TORONTO), M.PHIL. (OXFORD) (on leave 1995-96)

Associate Professor

D.F.R. Page, B.A. (SHEFFIELD)

Adjunct Faculty

J.M. Tinson, B.A. (TRENT), M.A. (QUEEN'S)

The department offers courses in English translation on the history, literature and civilization of the ancient Greek and Roman world, as well as courses in the ancient languages (Greek and Latin). Majors and joint majors are offered in:

- A. Classical History
- B. Classical Studies

Degree programs in Greek and Latin are also available. (See notes under Greek Language and Literature and Latin Language and Literature.)

Notes and Special Provisos

- The single-major Honours program consists of nineteen courses.
- Students are not limited to a maximum of twelve courses within the department (eight in a General program), as long as they do not exceed the maximum of twelve (or eight) within a particular discipline.
- Classical History majors may substitute a course in Classical Civilization or *Classical Literature 100* for a non-prescribed course in Classical History.
- Students who propose to pursue a single or joint-major within the department should consult the chair at the end of their first year or very early in their second year.
- Students may take both *Classical History 100* and *Classical History 201* in their first year.
- Courses at the *four-hundred* level are normally limited to students in the fourth quarter of the Honours program.
- *Philosophy 210* may be counted as a credit toward programs in Classical Studies.
- One of *Classical Literature 100* or *200* may be counted for credit toward a major in English.
- *Classical Civilization 231a* and *232b* are core courses in the Program of Women's Studies.

- Only one course in New Testament Greek may be counted toward a major in Greek.
- Students in the Honours program in Classical Studies are strongly advised to include one course in Latin or Greek.
- Students of Classical History will find *History 205* of considerable benefit to their studies.
- Students considering graduate work in any branch of Classical Studies are strongly encouraged to begin their study of the ancient languages as early as possible. An upper-year course in German or French is highly recommended.

Reading and Special Topics courses

Offered in Classical History, Classical Civilization, Classical Literature, Greek and Latin, these are courses designed after consultation with the department by March of the preceding academic year, and are subject to the availability of faculty. Reading courses use the 390 or 490 designation; special topic courses (which meet on a weekly basis) the 395 or 495 designation. The department will indicate in the spring the format for a particular course. Students are not restricted to one such course either in one year or in their overall program. Indeed completion of more than one such course will be essential for certain programs within the department. Half-courses (391a/491a; 392b/492b; 396/496a; 397/497b) are offered only under special circumstances.

Classical History

(Courses in English translation)

Single-major Honours program in Classical History, nine courses:

Classical History 100
201
410 or 420
490

- four *two-hundred* level or *three-hundred* level courses in Classical History
- *Greek 200* or *Latin 200*

Joint-major Honours program in Classical History, seven courses including:

Classical History 100
201
410 or 420
490

- two *two-hundred* or *three-hundred* level courses in Classical History
- *Greek 200* or *Latin 200*

Single-major General program in
Classical History, six courses including:
Classical History 100

201

- two *three-hundred* level courses in
Classical History

Joint-major General program in Classical
History, five courses including:

Classical History 100

201

- at least one *three-hundred* level course
in Classical History

Classical History 100

Ancient Greek society and institutions: the history of Greece from the beginnings to the decline of the city-states. An introduction to the study of ancient history illustrated by the problems of the period 600-323 B.C. (early Sparta, the reforms of Solon and Kleisthenes, Greek tyranny, the emergence of democracy, the Athenian Empire, the world empire of Alexander). Two lectures weekly, fortnightly seminar.
K.H. Kinzl

Classical History 201

Rome from the Republic to the Caesars, c. 150 B.C. - A.D. 69. A study of republican institutions, Roman imperialism, the crisis which witnessed the collapse of the republic in the last century B.C., the monarchy of Julius Caesar, the 'restored republic' and the new order of the principate of Augustus; the administrative, military, economic and social developments under the Julio-Claudian dynasty. Two lectures weekly, fortnightly seminar. Open to first-year students.
D.F.R. Page

Classical History 205a

International relations in the Greek world c. 500-338 B.C. This course examines such aspects as national and 'racial' attitudes, imperialism, alliances and diplomacy, political propaganda, etc. Special attention will be given to the original documents of the time, to be studied in translation. Weekly two-hour meetings. Open only to students in the second quarter and beyond.
K.H. Kinzl

Classical History 207b

Alexander the Great and his age. A course offering both a survey of the life and deeds of Alexander and an examination of the background, the ancient sources, and modern assessments. Weekly two-hour meetings. Open only to students in the second quarter or beyond.
K.H. Kinzl

Classical History 305

Government and politics in the Greek city-states, c. 600-300 B.C. A course examining such forms of government as democracy, tyranny, oligarchy, etc. Open only to Classical History students beyond the second quarter, except with the permission of the instructor. Two-hour meeting weekly.
K.H. Kinzl

Classical History 331

The Age of Augustus. (Not offered this year.)

Classical History 351a

The Roman Empire, A.D. 69-305. A course examining the Empire in the Flavian period (69-96) and during its peak in the second century; the militarization after A.D. 200 and the crisis of the third century; and the new order of Diocletian's tetrarchy. Two lectures weekly, fortnightly tutorial. Prerequisite: *Classical History 201*, or by permission of the instructor.
D.F.R. Page

Classical History 352b

The Late Roman Empire, A.D. 305 to c. 600. A course examining the autocracy of the Late Empire; the emergence of Christianity as the state religion under Constantine; the collapse of the Empire in the West and its replacement by Germanic kingdoms; the survival of the Empire in the east and the birth of Byzantine civilization. Two lectures weekly, fortnightly seminar. Open only to students in the second quarter or beyond. Prerequisite: at least one half-course in Classical History or History, or with the permission of the instructor.
K.H. Kinzl

Classical History 390 or 395

A reading or special-topic course in classical history, open to students in the third and fourth quarter. Prerequisite: two courses in Classical Studies in translation one of which must be at the upper-year level. Open also to majors in History.
Staff

Classical History 410

The Athenian Empire. (Not offered this year.)

Classical History 420

The Principates of Nerva, Trajan, and Hadrian (A.D. 96-138). (Not offered this year.)

Classical History 490 or 495

A reading or special topic course in classical history. Prerequisite: *Greek 100* or OAC Greek, or *Latin 100* or OAC Latin.

Staff

Classical Studies**(Classical Literature and Civilization)**

Single-major Honours program in Classical Studies: ten courses within the department, of which six must be beyond the *one-hundred* level, at least two at the *three-hundred* level, and two at the *four-hundred* level.

Joint-major Honours program in Classical Studies: seven courses in the department, of which five must be beyond the *one-hundred* level, at least one at the *three-hundred* level, and two at the *four-hundred* level.

Single-major General program in Classical Studies: seven courses within the department, of which four must be beyond the *one-hundred* level and two at the *three-hundred* level. Students who propose to include more than two courses in Greek or Latin must obtain the permission of the department.

Joint-major General program in Classical Studies: five courses within the department, of which four must be beyond the *one-hundred* level and at least one at the *three-hundred* level. Students who propose to include more than two courses in Greek or Latin must obtain the permission of the department.

Classical Literature 100

Greek drama in translation. Selected plays of the three major tragedians (Aeschylus, Sophokles, Euripides), and of the two comic poets (Aristophanes, Menander). Lectures will present also the role of drama in classical Greek society. Two lectures weekly, fortnightly seminar.

Staff

Classical Literature 200

Mythological themes in Greek and Latin literature. A course examining the nature of myth from Babylonian epic to the modern novel. Themes will include: the quest theme (e.g. Homer's *Odyssey*); gods in the Greek world and in Greek tragedy; the nature of Love (in Plato, Apuleius, C.S. Lewis); and human heroes in Greek and Roman tragedy. Two-hour session weekly. Open to students beyond the first quarter.

Classical Literature 390 or 395

A reading or special topic course in classical literature, open to students in the third and fourth quarter. Prerequisite: two courses in Classical Studies in translation, one of which must be at an upper-year level.

Staff

Classical Literature 490 or 495

A reading or special topic course in classical literature.

Staff

Note: In 1995-96 *Classical Literature 390* and *490* will be offered together; staffing considerations make it very unlikely that more than one such course can be offered.

Classical Civilization-Anthropology-Geography 223a

The ancient city. (Not offered this year.)

Classical Civilization-Anthropology 224b

Introduction to classical archaeology. (Not offered this year.)

Classical Civilization-Anthropology 227a

Archaeology of ancient religion. A course examining the material remains relating to the religions of the ancient world. Topics will include: the festivals of the Greeks and Romans, their marriage and death rituals, oracles, sacrifices, and mystery cults. Also to be studied are Egyptian and near Eastern religions, the Druids, and the impact of early Christianity. Two-hour lecture weekly, fortnightly seminar. Open to students beyond first year.

Staff

Classical Civilization-Anthropology 228b

Archaeology of Greek and Roman culture. An introduction to the material evidence for the culture of the Greeks and Romans. Topics will include: sports and entertainment (including theatre), politics, business, education, leisure, housing and dining, arts and crafts. Two-hour lecture weekly, fortnightly seminar. Open to students beyond first year.

Staff

Classical Civilization-Women's Studies 231a

Women in the Greek world. The experience of Greek women in the archaic and classical periods (c. 700-300 B.C.) as seen through literature, philosophical and medical treatises, law codes, and the visual arts. The material will be considered within the context of current trends of approach (feminist, sociological, anthropological, literary). Weekly lecture and seminar. Open to students in the second quarter and beyond.

Classical Civilization-Women's Studies 232b

Women in the Roman world. The role in society of Roman women in the late republican and imperial periods (100 B.C.-A.D. 300). Topics will include the status of women in Roman law, the Roman family, sexuality and motherhood feminine religious cults, women in Roman literature. The material will be considered within the context of current trends of approach (feminist, sociological, anthropological, literary). Weekly lecture and seminar. Open to students in the second quarter and beyond.

Classical Civilization 390 or 395

A reading or special topic course in classical civilization. Open to students in the third and fourth quarter. Prerequisite: two courses in Classical Studies in translation, one of which must be at an upper-year level.

Staff

Classical Civilization 490 or 495

A reading or special topic course in classical civilization.

Staff

Ancient Philosophy

See the entry under *Philosophy 210*.

Greek Language and Literature

Note:

The availability of degree programs in Greek is subject to departmental staffing conditions. Interested students must consult with the chair as early as possible.

Single-major Honours program in Greek: eight courses in Greek which must include two *four-hundred* level courses in Greek plus one course in Greek history.

Joint-major Honours program in Greek: seven courses in Greek which must include two *four-hundred* level courses in Greek.

Single-major General program in Greek: six courses in Greek.

Joint-major General program in Greek: five courses in Greek.

Greek 100

Elementary Greek. An introduction to the basic elements of ancient Greek providing the fundamentals of grammar and vocabulary. Some easy selections of ancient Greek will be read in this course. No prerequisite. Four hours weekly.

Staff

Greek 200

Intermediate Greek. Continuation and completion of classical Attic syntax and grammar, with readings from Lysias (*Against Eratosthenes*), Plato (*Symposium*), Lucian (*'Real' History*). Prerequisite: *Greek 100* or OAC Greek. Three hours weekly, including language study.

Staff

Greek 220

Epic and tragedy. (Not offered this year.)

Greek 240

New Testament Greek. (Not offered this year.)

Greek 390 or 395

A reading or special topic course in Greek language and literature. (Not offered this year.)

Greek 490 or 495

A reading or special topic course in Greek language and literature.

Staff

Latin Language and Literature

Note:

The availability of degree programs in Latin is subject to departmental staffing conditions. Interested students must consult with the chair as early as possible.

Single-major Honours program in Latin: eight courses in Latin which must include two *four-hundred* level courses in Latin plus one course in Roman history.

Joint-major Honours program in Latin: seven courses in Latin which must include two *four-hundred* level courses in Latin.

Single-major General program in Latin: six courses in Latin.

Joint-major General program in Latin: five courses in Latin.

Latin 100

Elementary Latin. An introduction to the basic elements of Latin through reading. For students with little or no previous knowledge of the language. No prerequisite. Four hours weekly.

D.F.R. Page

Latin 200

Intermediate Latin. Continuation and completion of Latin grammar, with reading of relatively easy selections from prose and verse, republic to silver age. Prerequisite: *Latin 100* or OAC Latin. Three hours weekly, including language study.

Staff

Latin 220

(Not offered this year.)

*Latin 390 or 395*Reading or special topic course in Latin language and literature. Prerequisite: *Latin 200 or 220*.*Staff**Latin 490 or 495*

Reading or special topic course in Latin language and literature.

Staff

Comparative Development Studies

Associate Professor and Chair of the Program

R.D. Powell, LIC. EN HISTORIA (CORDOBA), PH.D. (MCGILL)

Professors

P. Bandyopadhyay, B.A. (CALCUTTA), M.A. (OXFORD, MANCHESTER), PH.D. (MANCHESTER); J. Hillman, M.A. (OXFORD), PH.D. (SUNY, BUFFALO) (on leave Winter Term 95-96); D.R. Morrison, M.A. (SASKATCHEWAN), D.PHIL. (SUSSEX)

Associate Professor

C.V. Huxley, B.A. (YORK, ENGLAND), M.A. (SIMON FRASER), PH.D. (TORONTO)

Assistant Professors

J. Solway, B.A. (OAKLAND), M.A., PH.D. (TORONTO) (on leave 95-96); W. Lem, B.A., M.A., PH.D. (TORONTO) (on leave 95-96)

*Associated Faculty**Economics*: S. Choudhry, K.S.R. Murthy; *Cultural Studies*: A. O'Connor; *Environmental & Resource Studies*: S. Bocking; T. Whillans; *Geography*: J.S. Marsh; *Hispanic Studies*: T. Noriega; *History*: D. Sheinin, P. Zeleza; *Native Studies*: D.N. McCaskill; *Political Studies*: M. Gunther, E. Helleiner, M. Neufeld, A. Pickel.*Honorary Professor*

L.A. Costa Pinto, LIC. SOC. (BRAZIL)

Conjunct Professor

B. Beck, B.A. (CHICAGO), B.LITT. (OXFORD), D.PHIL. (OXFORD)

The Program in Comparative Development Studies involves the comparative examination of societies and cultures undergoing rapid change, and of the complex global relations between industrialized countries and the

developing areas of Africa, Asia, the Caribbean, and Latin America. It is offered with the cooperation of the following Departments and Programs: Anthropology, Cultural Studies, Economics, Environmental and Resource Studies, Geography, History, Hispanic Studies, Native Studies, Political Studies, Sociology and Women's Studies.

Students are strongly encouraged to enrol in some cognate courses. *Economics 101a/b*, *102a/b*, *Anthropology 100*, *Politics 100*, and *Sociology 100* are recommended. Students are also advised that some Program courses offered by participating departments carry prerequisites.

Required Courses

The single-major Honours program consists of nineteen courses. Minimum nine courses in Comparative Development Studies, including:

*CD 100**CD 200**CD-Economics 331a*, *333a* (prerequisite: *Economics 101a/b* and *102a/b*)one of *CD 300*, *CDAN 301*, *CDAN 304*, *CDHI 340**CD 400*at least three other core courses, two of which must be at the *four-hundred* level.

Joint-major Honours program. Minimum seven courses in Comparative Development Studies, including:

*CD 100**CD 200*one of *CD 300*, *CDAN 301*, *CDAN 304*, *CDHI 340**CD 400*at least one other course in the *four-hundred* series

General joint-major. Minimum five core and support courses, including:

*CD 100**CD 200*one of *CD 300*, *CDAN 301*, *CDAN 304*, *CDHI 340***Notes:**

Only one support course can be counted towards the minimum requirements of each degree program. Courses from the student's other joint-major cannot be included among the minimum five courses for a General degree.

Anthropology students: Students undertaking joint-majors in Anthropology and Comparative Development Studies are advised that they may substitute

Anthropology-Comparative Development 221 for one of *Anthropology 212, 230* or *240* in their Anthropology requirements. Depending upon their area of interest, students are encouraged to enroll in French or Spanish language courses.

Year Abroad Program

This program is offered in Ibarra, Ecuador and is designed primarily for CDS and Anthropology majors. The program consists of the following courses:

Spanish 201: Intermediate Spanish

CD 380: Community Development

CD 387: Introduction to Quechua

CD 388: Ecuador Seminar

*CDAN 389**, Andean economy, society and culture

*meets 300 level requirement for CDS majors

Spanish 100 and high academic standing is a prerequisite.

Core Courses

Comparative Development 100

Human inequality in global perspective.

An interdisciplinary introduction to the basic ideas and perspectives of development analysis including issues of population growth, food, transformation of rural life, gender, the environment, urbanization and industrialization. The investigation of development and underdevelopment proceeds from comparative and historical perspectives with illustrations from widely differing societies.

C. Huxley and D. Powell

Comparative Development 200

Development analysis. An examination of the strengths and limitations of the major perspectives that have informed development studies. Consideration of selected monographs which address critical issues on the basis of well-defined models and sound empirical research. Prerequisite: *CD100* or departmental permission.

Staff

Comparative Development 260

Models in social science. (Not offered this year.)

Comparative Development 300

South Asian development. An Examination of the structure of agrarian production systems, role of land tenure and market relations in selected Asian societies. The process of social change from precapitalist, precolonial to colonial and contemporary institutions and the development of political and ideological

movements will be analyzed. Two-hour lecture, seminar fortnightly. Prerequisite: *Comparative Development 200* or permission of instructor.

P. Bandyopadhyay

Comparative Development-Sociology 382

Historical sociology. (Not offered this year.)

Comparative Development 385c

Field course. (Not offered this year.)

Comparative Development 400

Modernity and development. A study of the problems developing countries face in the passage from local or national traditions, cultures, and relations to modernity and global integration and hierarchy. This year the focus will be on indigenization and westernization with regard to industry, law and national institutional development in various regions. Prerequisite: *Comparative Development 300* series required course or permission of the instructor.

P. Bandyopadhyay

Comparative Development 421c

Assessment of development projects. An examination of techniques for analyzing and assessing projects for industrial, rural and social development, and of selected case studies. Case studies will include Canadian projects for development assistance in third world countries. Introductory lectures and weekly seminars. Prerequisite: *Comparative Development 300* series required course or permission of the instructor.

R.D. Powell

Comparative Development-Canadian Studies-Political Studies 464

Canada and international development. Canada's relations with developing countries - economic, political and socio-cultural - and Canada's role in North-South issues, especially the debt crisis and structural adjustment, human rights and democratization, immigration and refugees, ecologically-sustainable development, and regional conflicts. Also applies theoretical perspectives on comparative and international development to Canada and its place within the global political economy. Two-hour seminar weekly. Prerequisites: *Comparative Development 200* or *Canadian Studies 200* or *Political Studies 220* or permission of the instructor. Open only to students in the fourth quarter of the Honours degree. (Formerly *CACD460*: Canada and the Third World.)

D.R. Morrison

Comparative Development-Sociology
470a

Religion and social movements. An examination of the religious movements within the Catholic tradition generated by social upheaval in contemporary Latin America, with particular attention given to new forms of religious organization, and theology, together with the revitalization of popular religion. Weekly seminar. Prerequisite: *Comparative Development 200* or permission of the instructor.
J. Hillman

Other Core Courses*Anthropology-Comparative Development*
221

Development anthropology. (See Anthropology.)

Sociology-Comparative Development 280

Society and economy. (See Sociology.)

Anthropology-Comparative Development
301

African culture and society. (See Anthropology.)

Anthropology-Comparative Development
304

Latin America. (See Anthropology.)

Economics-Comparative Development
331a

Economics of developing countries. (See Economics.)

Economics-Comparative Development
333a

The economics of global interdependence. (See Economics.)

History-Comparative Development 340

The emergence of modern Africa. (See History.)

Native Studies-Comparative Development
305

Native community development. (See Native Studies.)

Women's Studies-Comparative Development 325

Women and development. (See Women's Studies.)

Environmental and Resource Studies-Comparative Development 360

Environment and development. (See Environmental and Resource Studies.)

Comparative Development 390, 391a, 392b

Reading course in comparative development. Open only to students taking a major in Comparative

Development Studies, and designed to provide an opportunity for specialized studies on selected topics. Periodic tutorials. Prerequisite: formal applications required with permission of instructor and program Chair.

Cultural Studies-Comparative Development 332

Media and development. (See Cultural Studies.)

Comparative Development 402

Honours thesis. A specific scholarly project on a well-defined topic for which double credit will be given. Prerequisite: formal applications required with permission of instructor and program Chair.

Anthropology-Comparative Development
407

Politics, economy and culture. (See Anthropology.)

Politics-Comparative Development 440

Political economy and comparative politics. (See Political Studies.)

Politics-Comparative Development 450

Problems of underdevelopment: democracy and democratization. (See Political Studies.)

Native Studies-Comparative Development
482

Indian responses to cultural interaction. (See Native Studies.)

Comparative Development 490, 491a, 492b

Reading courses in comparative development open to students in the fourth quarter of the Honours program in Comparative Development Studies. Periodic tutorials. Prerequisite: formal applications required with permission of instructor and program Chair.

Support Courses

Economics 311a: International trade

Economics 312b: International finance

English 315: Commonwealth fiction

Geography 380b: Regional economic development

History-Anthropology 345: Slavery in the Americas

History 347: Latin America

History 444: African labour history

History 447: Topics in Latin American History

Native Studies 385b: Program planning and evaluation

Politics 220: International politics

Politics 240: Comparative politics

Politics 320: Conflict and cooperation in international relations
Spanish 326: Contemporary Latin-American novel

Computer Studies

Chair of the Program

E.A. Maxwell, M.Sc., Ph.D. (TORONTO)

Professor

J.W. Jury, M.Sc., Ph.D. (TORONTO)

Associate Professors

S.B. Regoczei, M.Sc. (TORONTO); M.J. Tamplin, B.A. (TORONTO), M.A. (LONDON), Ph.D. (ARIZONA)

Assistant Professors

R.T. Hurley, B.Sc. (NEW BRUNSWICK), Ph.D. (WATERLOO); B.C. Domzy, B.Sc., M.Sc. (ALBERTA), Ph.D. (WATERLOO)

Associated Faculty

Geography, J.G. Cogley; Mathematics, S. Bilaniuk, D.G. Poole, E.A. Maxwell; Philosophy, B. Hodgson, R.M. Neumann

Laboratory Demonstrator

M.E. Soper, B.A. (WESTERN ONTARIO), B.Sc. (TRENT)

The Program offers study in computer science, information systems and related cultural ideas. It approaches these from a specialist and generalist liberal arts and sciences point of view. It combines courses in computer science with courses in mathematics, philosophy and social and behavioral studies. The intent is to provide students with a sound basis in computer studies along with a comprehensive education in areas where the use of computer technology and computational ideas have a major influence. To meet these goals, many courses in the program deal with advanced technical material, and in addition, provide a humanities and social sciences perspective. Students in the Program pursue General or Honours Joint-major Degrees by combining core and cross-listed Computer Studies courses with courses in another area of study, either in the arts or the sciences.

Required Courses

Joint-major Honours program. Minimum of eight courses in Computer Studies of which at least five must be core courses and include: *Computer Studies 102b, 202a and 203b, 300a or 301b, 330, and 400.*

At least two courses must be at the *four-hundred* level. Joint-major Honours in

Science requires a minimum of 20 courses. Joint-major Arts requires a minimum of 19.5 courses. Commencing in the 1995-96 academic year, at least one university-level mathematics credit (i.e. one of *Mathematics 110, 130 or 150*, or a course in another discipline with an equivalent mathematics content) is required.

Joint-major General program. Minimum five courses in Computer Studies including *Computer Studies 102b, Computer Studies 202a, Computer Studies 203b* and three and a half other courses in Computer Studies, at least two of which must be core courses. At least two core courses or cross-listed courses must be at the third year level.

Notes:

1. Only one of the half courses *Computer Studies 102b* or *Computer Studies 150b* may be taken by students in their first quarter of study.
2. In order to be eligible to graduate with a B.Sc. degree, a student must have completed an Ontario Academic course in Mathematics, or equivalent, or a university level Mathematics course.

Core Courses

Computer Studies 101a

Introduction to computer science with applications. This course provides students with a general knowledge of the important principles in computer science and hands-on experience with some modern applications. Topics to be covered include the impact of computers on society, history of computing, computer organization, data communications, operating systems, and modern applications, such as word processing, spreadsheets and database management systems. No prerequisite. Two lectures weekly, periodic workshops. (Excludes the former *Computer Studies 100.*)
J.W. Jury and staff

Computer Studies 102b

Introduction to software engineering with Pascal. This course is the introductory programming course for Computer Studies majors. Students will learn how to design, test, and debug computer programs using the Pascal programming language. Topics to be covered include a general discussion of programming languages, algorithm design, program testing, program debugging, introductory data structures. This course is a prerequisite for most higher-level Computer

Studies courses. Prerequisite: *Computer Studies 101a* or equivalent. Three lectures weekly, fortnightly labs.

R.T. Hurley and staff

Computer Studies 150b

Introduction to programming in BASIC. This course is intended for non-Computer Studies majors who wish to become familiar with the art of programming. Topics include a general discussion of programming languages, software design and data structures, program construction and algorithm design using the BASIC programming language. Concepts such as string manipulation, arrays, procedures, functions, files and records will be discussed. Advanced topics such as simulation and graphics will be covered. Prerequisite: *Computer Studies 101a* or equivalent. Not open to students enrolled in, or with credit for, *Computer Studies 102b*. Two lectures weekly, periodic workshops.

J.W. Jury and staff

Computer Studies 202a

Intermediate computer science: Data structures and algorithm design. The objectives of this course are to study data structures in a language-independent setting; to appreciate the levels of data description and their role in data structure design; and, at a secondary level, to gain additional experience in program design and to cultivate an appreciation of the formal analysis of algorithms. Pascal will be used for program development. Topics covered include algorithm design using various data structures such as queues, stacks, lists, trees and graphs; sorting and searching techniques; motivation of and introduction to analysis for algorithm complexity. This course is intended for those wishing to develop their abilities and understanding of programming beyond an introductory level. Prerequisites: *Computer Studies 102b* or equivalent. Three lectures weekly. Workshops as required in place of one of the lectures.

B.C. Domzy

Computer Studies 203b

Data processing and file structures. Introduction to file structures and processing. Use of COBOL for data processing, including use of advanced language features and modular software engineering techniques. Efficiency in data management. Prerequisites: *Computer Studies 102b* or equivalent. Double lecture weekly plus workshops as required.

Computer Studies 210

Computing in the social and natural sciences and humanities. A survey of research problems, methods and data in various academic disciplines with particular emphasis on computer-based techniques of analysis. It is intended both as an introduction to data and research problems not usually encountered by computer science students with mathematics and science backgrounds, and for non-Computer Studies majors who wish to use computers for research in their disciplines. Prerequisites: *Computer Studies 101a* and another course with computing content such as *Computer Studies 102b* or *150b*, *Geography 201*, *Mathematics-Statistics 150*, or *Psychology 215*. Two lectures and one one-hour laboratory weekly. Offered this year and in alternate years thereafter.

M.J. Tamplin and staff

Computer Studies 220b

Information systems in organizations. Management information systems, including decision support and expert systems in organizations. Introduction to end user computing, systems analysis, software development, and office automation. Systems in the organizational context. Major hardware, software, and communications technologies employed in data processing and applications. Prerequisite: *Computer Studies 102b* or *150b* (formerly *Computer Studies 100*) or equivalent. Two lectures weekly. (Not offered in 1995-96.)

Computer Studies 300a

Advanced data structures and algorithms. This course is designed to study effective and efficient data structures and algorithms in a language-independent setting; to develop an appreciation of techniques for constructing algorithms and data structures. Algorithmic paradigms such as divide-and-conquer, greedy, incremental and dynamic programming will be presented. The course gives the student greater experience in program design, and emphasizes pragmatic and mathematical aspects of program efficiency. Prerequisites: *Computer Studies 202a* and one of *Mathematics 110*, *100*, or *130*; or permission of the instructor. Three lectures weekly.

B.C. Domzy

Computer Studies 301b

Scientific programming techniques. Structured programming and logic flow. Design of effective algorithms for

scientific application. Languages for scientific computing, C and C++. Modular programming and library usage; object-oriented programming; documentation; correctness; optimization; antialiasing and debugging techniques. Prerequisite: *Computer Studies 202a* and one of *Mathematics 100, 110, or 130*; or permission of instructor. Two lectures weekly.

J.W. Jury

Computer Studies 320

Social impact of computer technology. This course deals with the applications, use and impact of computers on societies. Topics covered will be chosen from the following: historical impact of computers and automated technology; ethical, legal and privacy issues of computerized information storage and flow; computers in policy formation and decision making; robotics and automation theory; progress towards artificial intelligence; image processing and pattern recognition. Prerequisites: *Computer Studies 102b or 150b*, or permission of the instructor. Two lectures weekly, periodic tutorials.

B.C. Domzy and staff

Computer Studies 330

Computer organization. This course begins with an investigation of digital logic where topics such as boolean algebra, sequential logic, and circuit design are discussed. Computer architecture is addressed next concentrating on issues such as bus, main memory, secondary memory, the central processing unit, and I/O organization. Finally, assembly language programming will be covered. Prerequisite: *Computer Studies 202a and 203b*, or permission of the instructor. Two lectures and one tutorial weekly.

R.T. Hurley

Computer Studies 340b

Data base design and data modelling. Data base systems and their use in the management of data. History and development of data base theory. Hierarchical, network and relational data base structures. Prerequisite: computing experience equivalent to that obtained in *Computer Studies 102b or 150b*, or permission of the instructor. Two lectures weekly.

S.B. Regoczai

Computer Studies 350

Artificial intelligence and artificial life. Foundations, directions and applications of artificial intelligence. Knowledge acquisition, representation and processing,

knowledge bases and rule-based systems. Issues and techniques will be addressed primarily through expert systems. Vision systems, natural language processing, machine learning, applications in knowledge-based fields and industry. Prerequisite: *Computer Studies 202a or 203b* or permission of the instructor. Two lectures weekly.

S.B. Regoczai

Computer Studies 390, 391a, 392b

Reading, research or project course dealing with advanced topics in Computer Studies chosen in consultation with supervising faculty members in Computer Studies. Prerequisite: permission of the Program.

Computer Studies 396a

Special Topic: Academic research on the Internet. An exploration of the Internet both as a source of data and as a collaborative tool to address research problems in a variety of disciplines. Students will define a problem area in a major discipline and conduct a research project using internet resources. Some previous experience with computers, electronic communication and research is required. A substantial part of class contact and communication will be conducted electronically with the course instructor and experts in various disciplines both at Trent and elsewhere. Prerequisites: *Computer Studies 101a* or equivalent, and another course with computing and research content, such as *Computer Studies 210, Geography 201, Mathematics-Statistics 150, Psychology 215, Sociology 221a/b or 222a/b*. A minimum one-hour Internet discussion weekly, optional periodic workshops, and one required 3-hour symposium on campus.

M.J. Tamplin and staff

Computer Studies 400

Software engineering project. Follows software development through a normal life cycle, within a general project management framework. Starting with requirements analysis and feasibility studies, it discusses systems and information analysis, software architecture, conceptual data base design and improved programming techniques and concludes with software installation, testing, system maintenance and impact assessment. Prerequisites: *Computer Studies 203b and Computer Studies 301a or 300b; Computer Studies 220b and 340b* recommended. Two lectures weekly.

B.C. Domzy and staff

Computer Studies 410

Computer languages. Addresses programming languages and their structures as intellectual objects. From an assumed base of BASIC, FORTRAN, COBOL, C and Pascal, the course discusses general language design goals, data and control abstractions and structures. It progresses through lower level assemblers to higher block structured languages (Ada), special purpose languages (such as Modula, FORTH, LISP) to concepts of verifiable and applicative languages, large programs, predicative programming and program transformation. The future of programming languages is discussed. Prerequisite: *Computer Studies 300b* or *301a*. Two lectures weekly. Periodic workshops.

S.B. Regoczei

Computer Studies 430

Advanced operating systems. This course examines the issues and concepts of computer operating systems. The first half of the course examines the traditional centralized operating system. Topics dealing with the management of processors, file systems, processes, and memory will be covered. Multiprocessor operating systems will be considered as well. The second half of the course examines the distributed system. Topics such as networking, remote procedure calls, concurrency control, and resource management will be discussed. This course includes studies of specific centralized and distributed operating systems (such as VMS and UNIX). Prerequisite: *Computer Studies 330* or permission of the instructor. Two lectures and one tutorial weekly.

R.T. Hurley

Computer Studies 490, 491a, 492b

Advanced reading, research or project course. Prerequisite: permission of the Program.

Cross-listed Courses

Computer Studies-Philosophy 240a
Symbolic logic. (See Philosophy.)

Computer Studies-Mathematics 260
Discrete structures. (See Mathematics.)

Computer Studies-Mathematics 341
Linear and discrete optimization. (See Mathematics.)

Computer Studies-Philosophy 341b
Logic and logical theories. (See Philosophy.)

Computer Studies-Mathematics-Statistics 351

Linear statistical models. (See Mathematics.)

Computer Studies-Geography 405b
Geographical computer graphics. (See Geography.)

Computer Studies-Mathematics 405
Logic and computability. (See Mathematics.)

Cultural Studies*Assistant Professor and Chair of the Program*

V. Hollinger, M.A. (CONCORDIA), M. ED. (NEWCASTLE-UPON-TYNE), PH.D. (CONCORDIA)

Professors Emeritus

D.F. Theall, B.A. (YALE), M.A., PH.D. (TORONTO); D. Smith, M.A., D. PHIL. (OXFORD)

Professors

J. Fekete, M.A. (MCGILL), PH.D. (CAMBRIDGE); S. Kane, B.A. (CARLETON), M.A., PH.D. (TORONTO) (on leave Winter Term 1996); I. McLachlan, M.A. (OXFORD); A. Wernick, M.A. (CAMBRIDGE, TORONTO)

Associate Professors

Z. Baross, B.A. (U.B.C.), M.A. (LONDON), PH.D. (AMSTERDAM) (on leave Winter Term 1996); J. Bordo, B.A. (MCGILL, ALBERTA), M.A., M.PHIL., PH.D. (YALE); A. O'Connor, B.A. (TRINITY COLLEGE, DUBLIN), M.A., PH.D. (YORK)

Adjunct Faculty

D. Bateman, M.A. (TORONTO); M. Blyth, B.A. (TORONTO) M.A. (YORK); M. de Guerre, A.O.C.A. (ONTARIO COLLEGE OF ART); V. de Zwaan, B.A. (TRENT), M.A. (MCGILL); M. el Komos, M.A. (CAIRO); M. Hoechsmann, M.A. (SIMON FRASER); P. Laurie, M.A. (YORK); M. Morse, M.A. (YORK), M.F.A. (YORK); W. Pearson, M.A. (MCGILL); S. Piper, M.A. (QUEEN'S), PH.D. (TORONTO); W. Ramp, M.A., PH.D. (YORK); D. Sugar, B.F.A. (YORK), L.L.B. (OSGOODE HALL, TORONTO); R. Wright, B.A. (TRENT), M.A., PH.D. (QUEEN'S)

Associated Faculty

English Literature, R. Dellamora;
Sociology, S. Katz

The Program offers study in the nature and criticism of culture and the arts, chiefly literature, film, drama, music and the visual arts, in the light of guided

interdisciplinary enquiry into the social conditions in which thought and expression take shape. The Program as a whole provides the kind of academic experience which may have pre-professional value to a cultural and social critic or to a teacher of literature, drama or the arts who wishes to emphasize workshop experience in future teaching. This focus of practical and speculative needs is realized in courses whose overall concern is for the way in which theoretical understandings inform as they are informed by actual practice by artists, critics and thinkers in different conditions. The focus is preserved on the level of term-work in that actual production experience or critical work in cultural activity is recommended as a way of sustaining a reflection on cultural problems and conditions in Canada and elsewhere.

The *one-hundred* series course is the normal entry point to the Program for first-year students and should normally be taken by all students who are, or who are preparing to be, Cultural Studies majors or joint-majors. First-year students who also wish to take, in exceptional circumstances, a second Cultural Studies course, must obtain written permission from both the course instructor and the Chair of the Program. First-year students who may wish to major or joint-major in Cultural Studies are urged to take one or more of the following courses as well: *Classical Literature 100*, *English 100*, *History 120*, *Philosophy 101*, *Sociology 100*, and any of the first-year language courses in the department of Modern Languages and Literatures.

Two-hundred and *three-hundred* series courses are grouped into two categories:

- (a) 205, 225, 235, 245, 246, 250, 305, 322, 325, 350, 356, 370 and
- (b) 211, 216, 222, 226, 229, 260, 270, 280, 311, 315, 321, 329, 332, 345, 346, 375, 380, 381, 385, 395.

Cultural Studies majors are required to choose at least two courses from each category. In so doing they may pursue a particular concentration within the different cultural areas that the Program draws together (e.g., Comparative Literature; Fine Arts; Performing Arts; Social and Cultural Theory).

Required Courses

The single-major Honours program consists of nineteen courses. Minimum nine courses in Cultural Studies including *Cultural Studies 100*, at least two from category (a), at least two from category (b), and at least two Cultural Studies courses at the *four-hundred* series level.

Joint-major Honours program. Minimum seven courses in Cultural Studies including *Cultural Studies 100*, at least two from category (a), at least two from category (b), and at least two Cultural Studies courses at the *four-hundred* series level.

Single-major General program. Minimum six courses in Cultural Studies including *Cultural Studies 100*, at least two from category (a) and at least two from category (b).

Joint-major General program. Minimum five courses in Cultural Studies. Same requirements as for single-majors.

Special Provisos

Two-hundred and *three-hundred* series courses: Any *two-* or *three-hundred* series course is open to any upper-year student, subject only to the conditions specified below under the descriptions of certain individual courses.

Four-hundred series courses are normally limited to students in the fourth quarter of Honours Cultural Studies. However, students may petition the Program to enrol in a *four-hundred* series course as part of a General program. Students wishing to take more than one *Cultural Studies 490* reading course must petition the Chair of the Program. The fourth quarter of the Honours program will normally consist of four courses.

Cultural Studies 100

Introduction to the study of modern culture. Introduction to the interpretation and foundations of modern culture. Looks at the problem of how to make sense of art works and other forms of cultural expression, in different media, both as texts and as practices in a context. A major focus will be on what distinguishes twentieth-century culture from, and what connects it to, the tradition of modern culture as a whole. Lecture and seminar, weekly. Field trips fee: \$40. (Excludes *Cultural Studies 200*.) (May also be offered Summer 1995.)

J. Bordo, S. Kane, and staff.

Cultural Studies 211

Drawing. An introduction to basic ideas and skills in the visual arts. The course will deal with concepts and realities of form and the making of signs and symbols in two and three dimensions. Lecture and studio instruction four to six hours weekly. Open to Cultural Studies majors and students with the pre- or co-requisite *Cultural Studies 216* or *315* or permission of the Chair of the Program. Art materials fee: \$65. Enrollment limited to 20.

Staff

Cultural Studies 216

Western art, the monument and modernity. An introduction to the history and theory of mostly Western art, architecture, collections, deposits and other traces. While the course will explore such familiar and typical monumental sites as the Cave, the Greek Temple, the Cathedral and the modern Palace, its main ambition is to account for the extraordinary emergence of picturing in Renaissance art and science and how this kind of picturing became the predominant mode of cultural transmission inseparable from and defining a cultural condition called "modernity". Thrice monthly lectures with tutorials; field trips to museums, galleries and other relevant cultural sites. Field trip fee: \$40.

Staff

Cultural Studies 222

Culture in the novel. A study of the nineteenth-century novel as a focus for current theories of culture, gender and narrative. Texts for discussion will include works by Balzac, Sand, the Brontës, Eliot, Flaubert, Dostoyevsky, Tolstoy and Huysmans. Particular attention will be given to the thought of Lukacs, Bakhtin, Barthes and Foucault. Lecture, seminar weekly.

I. McLachlan

Cultural Studies 225

Oral narrative. The world of story and memory. An exploration of myth as the pattern-knowledge of aboriginal ecology; its domestication by literacy; the folk wonder tale and the literary forms that usurp its voice and vision. Concerned with the relationship between told and written narrative, the course involves practical experience in the telling, writing, and evaluation of story. Two hours weekly. (May also be offered Summer 1995.)

S. Kane

Cultural Studies 226

Storytelling workshop. (Not offered this year.)

Cultural Studies-English 229

Science fiction. Introduction to the history, theory, and representative works and authors of science fiction from Mary Shelley and H.G. Wells to Philip Dick, Ursula Le Guin, and Marge Piercy in the present. Such types of science fiction as alternate worlds, human destiny stories, space adventure, stories of alien encounter and non-contemporary earth life, and stories of new capacities, new technologies, or new belief systems will be examined. Two hours weekly.

J. Fekete and V. Hollinger

Cultural Studies 235

Mass media and society. Introduction to the history, sociology and critical interpretation of contemporary mass communicated culture, both as an overall formation and with reference to such specific elements as the newspaper press, advertising, network TV and recorded popular music. Two-hour lecture and seminar weekly. (Excludes *Cultural Studies-Sociology 240*.) (May also be offered Summer 1995.)

A. O'Connor and staff

Cultural Studies 245

Music and Society. An introduction to music as a cultural practice. The course will explore various formulations of the relationship between music and society that have been offered by the areas of ethnomusicology, sociology, semiotics, and feminist theory. An emphasis will be placed on the development of listening skills through engaging directly with a variety of musical texts and practices from Western art music, popular music, and world music traditions. Assignments will include both creative projects and critical work. No formal background in music is required. Lecture and seminar weekly.

Staff

Cultural Studies 250

Civilization and human nature. An introduction to the thought of several of the founders of modern social and cultural theory including Marx, Nietzsche and Freud. Such topics explored as ideology and illusion, reason and eros, individualism and alienation, and the idea of progress. One hour lecture, seminar weekly.

A. Wernick

Cultural Studies 260

The making of the modern body. The course focuses upon modernity's relation to the body as a project and a work site, and examines contemporary obsessions as an expression and experience of (post) modern subjectivity. Diverse cultural and theoretical materials explore the burgeoning of body-images that exercise contemporary cultural imagination in cinema, painting, fiction and the media. An examination of the social production of bodies and the inscription of identities and shifting body/gender relations. Writers in feminist criticism, film theory, psychoanalysis and social theory will explore the modern body as a site of power (relations), desire, signification, subjection and subjectification. Two-hour lecture and one-hour seminar weekly.

Z. Baross

Cultural Studies 270

History and theory of theatre. An introduction to theatre as a performing art. Examines the evolution of European theatrical practice and dramatic theory from Classical Greek tragedy to late nineteenth century naturalist drama. Topics include acting styles, theatre design and architecture, the changing relationships among playwrights, performers and spectators, and the institution of theatre in relation to religion, morality and politics. Two hours weekly.

I. McLachlan

Cultural Studies 280

History and theory of the cinema. An introduction to critical interest in the cinema: the medium, the spectator, ideology, apparatus, pleasure and meaning. Lectures and seminars reflect upon the question of origin and relation to other arts (television and photography) and follow the evolution of cinematic language and narrative strategies from silent film (Griffith, Eisenstein) to classical Hollywood, from (early) experimental to (modern) European film. A selection of critical writings (Barthes, Cavell, Eisenstein) brings Andre Bazin's question, "What is cinema?" into a new focus. Weekly films, lectures and seminars.

Z. Baross

Cultural Studies 305

Politics and culture. The modernist arts and society. The relationship between art and critical social practice in the context of self-conscious cultural movements in the twentieth century (e.g., futurism,

surrealism, expressionism, existentialism). Examines the relationship between 'avant-garde' and other modernist cultural movements and 'mass' culture; between aesthetic experimentalism and political engagement, between cultural activity and the marketplace. Lecture, seminar weekly.

Staff

Cultural Studies 311

Visual arts studio. (Not offered this year.)

Cultural Studies-English 321

Literature and society. (See English Literature.)

Cultural Studies 322

Experimental fiction. (Not offered this year.)

Cultural Studies 325

Literary and critical theory. A study of ideas about the nature and function of literature, interpretation, and evaluation. The spectacle and background of competing contemporary theoretical models will be considered through such figures as Plato and Aristotle, Sidney, Coleridge and Arnold, Frye and McLuhan, Lukacs and Adorno, Barthes, Derrida and Foucault, Kristeva and Spivak. Two-hour seminar weekly.

J. Fekete

Cultural Studies-English 329

Utopia (Future fiction.) A study of the speculative social imagination in utopian and anti-utopian literature from Plato to contemporary science fiction. Such topics as sexual politics, technology, communication, psychic evolution, and narrative form will be examined in texts from More and Rabelais to Huxley, Orwell and such science fiction writers as Le Guin, Delany, Brunner, Dick, Lem, Piercy and Russ. Weekly lecture and seminar. (May be offered in Summer 1995.)

J. Fekete

Cultural Studies-Comparative Development Studies 332

Media and development. Covers different approaches to communication and development especially in the 'Third World'. Topics include debates about cultural imperialism, Third World filmmaking, community radio, women's media and the role of communication and popular culture in struggles for democracy. Three-hour seminar weekly. (May be offered in Oshawa in Summer 1995.)

A. O'Connor

Cultural Studies 345

Music in twentieth-century industrial society. (Not offered this year.) (May be offered in Oshawa in Summer 1995.)

Cultural Studies-Sociology 350

Modern cultural theory. Within the larger context of the "crisis of modern critical discourse," the course examines the questions "history" poses for theory at the junction of modernity/postmodernity. Memory/memoires/mourning/testimony in the writings of H. Arendt, S. Felman, M. Foucault and J. Derrida; the "crisis" of history both as an historical event (of our time) and a narrative predicament in Nietzsche, W. Benjamin, J-F. Lyotard, J-L. Nancy, M. Foucault. Recommended: *Cultural Studies 100* or *250*. Lectures and seminars weekly.

Z. Baross

Cultural Studies-Canadian Studies 356

(Post) modernity and the sublime. An exploration of the idea of the sublime from its early modern and American Renaissance resurgence to (post) modernist refigurings. Philosophical, religious and literary sources will be drawn upon with particular intertextual reference to visual art and with special attention to Northern landscape art and modern art. A problematics of the wilderness symbolic will be the unifying thread in the treatment of such concerns as the picturesque and the rhetoric of experience; allegory and representation; modern technology, ethics and "limit experience"; art and especially modern art as the transgression of the presentable. Two lectures monthly, one seminar and one study group.

J. Bordo

Cultural Studies 370

Theatre in the twentieth century. (Not offered this year.)

Cultural Studies 375

Theatre workshop: staging ideas. A practical course in modern acting with a focus on methods of performance in works that dramatize ideas and the conflicts between them. Pre- or co-requisite: *Cultural Studies 270* or *370* or permission of the Chair of the Program. Workshop fee: \$50. Enrolment limited to 20. Four hours weekly. (May be offered in Summer 1995.)

Staff

Cultural Studies 381

European film. Introduction to the study of European film in historical and

aesthetic context through an examination of major directors, tendencies and schools. Weekly lectures, films, and seminars.

Staff

Cultural Studies 402

Honours thesis. A double-credit course for which double fee is charged, in which instruction in research methods leads to a thesis of about 15,000 words. The Program deadline for a thesis abstract and bibliography (signed by the thesis supervisor) is May 31, of the year prior to the entry to the fourth quarter of the Honours program.

Cultural Studies-English 425

Advanced studies in literary and critical theory. Topic for 1995-96: A study of ideas about the nature and function of literature, criticism, and theory. These ideas are considered in historical sequence, from Greek mimesis to contemporary post-modernism, intertextualism, and pragmatism, with a central focus on the emergence and decline of modernist Anglo-American theories of literary and imaginative autonomy. Such theoretical models will be examined as Plato and Aristotle, Coleridge, Arnold and Pater, Eliot, Richards, Frye and McLuhan, Fish and Tompkins, Barthes and Foucault, and a selection of feminist writers. Two-hour lecture-seminar weekly. (Excludes *Cultural Studies-English 325*.)

J. Fekete

Cultural Studies 435

Advanced topics in mass media and popular culture. Urban popular movements and avant-garde media. The course deals with issues of cultural identity and 'underground' media in the modern metropolis. It gives an overview of issues of identity politics (race, gender, sexual orientation) and explores the expression of such movements in forms such as punk and grrl riot, fanzines and non-commercial video. Materials may be from the metropolitan underground in London, New York, Toronto, Los Angeles and Mexico City. Two-hour seminar weekly.

A. O'Connor

Cultural Studies-Sociology 440

Special topics in the sociology of culture and knowledge. (See Sociology.)

Cultural Studies 450

Current issues in cultural theory. Focuses on the concept of postmodernism and the issues surrounding the way this term (and its compounds) has been deployed as a

way to characterize contemporary theory, culture, and society. Explores what is meant by a break from the modern. In the light of this question, and by reflecting on key statements by Lyotard, Rorty, Jameson, Baudrillard, Jencks and others, considers such topics as the postmodern turn in architecture, the rise of deconstruction and ironic modes of theorizing, and the cultural centrality of television. Two hour seminars weekly.
Z. Baross

Cultural Studies 470

Advanced studies in theatre and the performing arts. The course will concentrate on some of the experimental directions in theatre in the last twenty years, focusing especially on movements that attempt to find a voice for those who have been marginalized within the traditional theatre hierarchies. In the process, attention will be paid to feminist, gay and lesbian and (post) colonial theories of subjectivity and narrative.
I. McLachlan

Cultural Studies 495

Special topics in cultural studies. The following special topics will be offered in 1995-96:

Cultural Studies 4952

Special topic: Religion and postmodernity. Taking our bearings from Nietzsche's "death of God", the course will focus on the religious dimension of postmodern theory and culture with attention to such issues as secularization, a-theology and the deconstructive turn, feminist re-readings, ethics and the other, and the question of evil. Two-hour seminar weekly.

A. Wernick

For more information about these and other special topics courses, students should attend the Honours Information Session in the Spring or visit the Program Office.

Reading Courses

Reading courses are available as *Cultural Studies 390* or *490*. Registration in reading courses is contingent on permission of the instructor and the Chair of the Program in advance of early registration. The deadline for submission of an outline is May 31.

Economics

Professor and Chair of the Department
H.M. Kitchen, M.A. (MCMASTER)

Professor Emeritus

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

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)

Associate Professors

M. Arvin, B.SC. (LONDON), M.PHIL. (OXFORD), PH.D. (QUEEN'S); T. Drewes, B.A. (LAKEHEAD), M.A., PH.D. (QUEEN'S) (on leave Fall Term 1995); M. Huberman, B.A. (MCGILL), M.A., PH.D. (TORONTO); J. Muldoon, B.SC. (BROCK), M.A. (GUELPH), PH.D. (MCMASTER); P. Wylie, B.SC. (QUEEN'S, BELFAST), M.A., PH.D. (QUEEN'S) (on leave Winter Term 1996)

Assistant Professors

S. Choudhry, M.A. (MCGILL), PH.D. (MANITOBA) (on leave Winter Term 1996); B. Leith, B.A. (WESTERN), M.A., PH.D. (YORK) (on leave Winter Term 1996)

Conjunct Professor

D. Auld, B.A. (WESTERN) M.A. (TORONTO), PH.D. (A.N.U.)

Note:

Economics 101a/b and *102a/b* are prerequisites for all other courses in Economics. A standing of C- (60%) or higher is required in *Economics 101a/b* and *102a/b* for registration in upper year Economics courses. With the exception of *Economics-Administration 225a* and *Economics-Administration 220b*, two-hundred series courses in Economics are accepted as three-hundred level courses to meet the University requirements of a minimum number of three-hundred series courses.

It is strongly recommended for single-majors, that *Economics 320a/b* and *Economics 325a/b*, and for joint-majors, that *Economics-Administration 225a* and *Economics-Administration 220b* be completed before students enter their fourth quarter.

Required Courses

The single-major Honours program consists of twenty courses. Minimum ten courses in Economics, including:

<i>Economics</i>	101a/b	102a/b
	200	201
	220b*	225a*
	320a/b	325a/b
	400a/b	401
	405a/b	

plus one other *four-hundred series* Economics course. Or, one full course equivalent from the *three-hundred series*, approved by the Department, may be substituted in the fourth quarter of an Honours program.

Joint-major Honours program. Minimum seven and one-half courses in Economics, including:

<i>Economics</i>	101a/b	102a/b
	200	201
	220b*	225a*
	400a/b	401
	405a/b	

plus a further one-half *four-hundred series* Economics course. Or, one half course equivalent from the *three-hundred series*, approved by the Department, may be substituted in the fourth quarter of an Honours program.

Single-major General program. Minimum six courses in Economics, including:

<i>Economics</i>	101a/b	102a/b
	200	201
	220b*	225a*

Joint-major General program. Minimum five courses in Economics, including:

<i>Economics</i>	101a/b	102a/b
	200	201

*indicates that courses of equivalent content can be substituted for *Economics-Administration* 225a/220b. This will be determined by the Department Chair.

Note:

In order to be eligible to graduate with a B.Sc. degree, a student must have completed an Ontario Academic Course in Mathematics, or equivalent, or a university level Mathematics course.

For students majoring in Economics, *Economics-Administration* 225a and *Economics-Administration* 220b fulfill the Mathematics requirement for the B.Sc. Degree.

Economics 101a/b

Introductory microeconomics. An introductory treatment of markets, prices and outputs based on the behaviour of

consumers, business firms and the structure and organization of industries. Competition policy and tax policy are examined. Selected aspects of international markets, trade and trade policy are also considered. Lectures three hours weekly, workshop fortnightly.

R. Murthy and staff

Economics 102a/b

Introductory Macroeconomics. An introductory treatment of gross domestic product, employment, unemployment, prices and inflation based on current models of national income determination. The Canadian banking system, monetary policy, the role of government and fiscal policy are examined. Selected aspects of international trade, the balance of payments and exchange rates are included. Lectures three hours weekly, workshop fortnightly.

D. Curtis and staff

Economics 200

Microeconomic theory and its applications. An examination of problems of demand and supply, market equilibrium, market structure, income distribution and economic welfare. A comprehensive treatment of the theoretical techniques used to deal with problems of resource allocation and applications of those techniques. Develops skills necessary for advanced work in economics. Two lectures weekly, seminar fortnightly.

J. Muldoon

Economics 201

Macroeconomic Theory and Policy. A study of output (GDP), employment, unemployment and inflation, and the role of monetary, fiscal and exchange rate policies, using current models of national income determination. Debates about the structure and behaviour of the economy and the design and effectiveness of policy are examined. Two lectures weekly, workshop fortnightly.

D. Curtis

Economics-Administration 220b

Introduction to statistics for economics and management. This course introduces students to the theory of probability and statistics. The emphasis in the course is on the way in which statistical methods are used in analyzing a wide variety of problems and the relationship between numerical conjecture and probability theory. The material covered includes descriptive statistics and data analysis; statistical inference and estimation; and

regression techniques. Prerequisite: *Economics-Administration 225a*. Three lectures weekly, workshop fortnightly.
T. Drewes

Economics-Administration 225a

Introduction to mathematics for economics and management. Topics include partial and general equilibrium, elementary linear algebra, elementary calculus, basic optimization theory, and comparative static analysis. These tools are integrated with and applied to micro and macroeconomic theory and managerial economics. Three lectures weekly, workshop fortnightly.

J. Muldoon

Economics-Canadian Studies 261a/b

The Canadian economy. (Not offered this year.)

Economics 301b

Monetary theory. Theories of demand and supply for money, simple keynesianism versus early monetarism, later monetarism, money and inflation, money and the balance of payments, the new classical macroeconomics. Prerequisite: *Economics 201* or permission of the instructor. Two lectures weekly, seminar fortnightly.

D. Curtis

Economics 311a

International trade. Theories of world trade and the analysis of trade policy and trade relationships in the world economy. The theory and practice of protectionism and preferential trade arrangements (trade blocs). The role of multinational corporations in international trade and investment. Two lectures weekly, seminar fortnightly. (Support course for Comparative Development Studies.)

P. Wylie

Economics 312b

International finance. (Not offered this year.)

Economics 316b

Government expenditure analysis. Efficiency criteria will be emphasized in the analysis of public goods, externalities, natural monopolies, cost-benefit analysis, voting behaviour and the structure and growth of government expenditures in Canada. Two lectures weekly, seminar fortnightly.

H. Kitchen

Economics 317b

Canadian tax policy. Efficiency and equity criteria will be emphasized in evaluating personal income taxation, corporate income taxation, commodity taxation, local government taxation and income transfers. Two lectures weekly, seminar fortnightly.

H. Kitchen

Economics 320b

Econometrics. Simple and multiple regression models. Problems of estimation and testing of economic relationships under conditions of autocorrelation, errors in variables, etc. Regression diagnostics and introduction to distributed lags and simultaneous equations. Prerequisite: *Economics-Administration 225a*, *220b* (or equivalents). Pre/corequisites: *Economics 200*, *201*, or permission of the instructor. Two lectures, seminar weekly.

K.R. Murthy

Economics 325a

Mathematical economics and economic models. A continuation of *Economics-Administration 225a*. Mathematical techniques used to set and solve problems. Topics include comparative static analysis under specific and general functions, unconstrained optimization, constrained optimization with equality constraints (classical programming), concavity, convexity, quasiconcavity and quasi-convexity, homogeneous functions, integral calculus, exponential and logarithmic functions, linear programming, eigenvalues and eigenvectors. Prerequisite: *Economics-Administration 225a*, *220b* (or equivalents). Pre- and co-requisites: *Economics 200*, *201*, or permission of the instructor. Three lectures weekly.

M. Arvin

Economics-Comparative Development 331a

The economics of developing countries. Models of growth and development, examination of sectoral problems of development such as agriculture, education, health, etc. Cost-benefit assessment of development projects. Planning strategies for economic development and the diversity of the development experience. Two lectures weekly, seminar fortnightly. (Excludes *Economics 330*.)

S. Choudhry

Economics-Comparative Development 333a

The economics of global interdependence. The evolving world economy and the place of less developed nations in an increasingly interdependent global system. Topics include market-oriented policy reform; structural adjustments that move economies to market-based systems; the growing literature on debt and development; increasing interdependence in areas such as food, energy, natural resources, technology and financial flows. Two lectures weekly, seminar fortnightly. (Excludes *Economics 330*.)

S. Choudhry

Economics 341b

Industrial organization. Study of markets including perfect competition, monopoly, and imperfect competition. Special topics include product differentiation, collusion, predatory pricing, entry deterrence, advertising, research and development, patents, price discrimination, vertical restraints and antitrust policies.

Prerequisite: *Economics 200*. Pre- and co-requisites: *Economics-Administration 225a* or equivalent. Two lectures weekly, seminar fortnightly.

M. Arvin

Economics 350a

Economics of trade unions. What do unions really do? The application of economic analysis to explain the rise and impact of private and public sector unionism in Canada. Topics include: the effects of unions on wages, productivity and unemployment; collective bargaining; and the causes and consequences of strikes. Two lectures weekly, seminar fortnightly.

M. Huberman

Economics 351a

Labour economics. (Not offered this year.)

Economics 362b

International economic history, 1850 to present. Seeks to understand alternative paths to industrialization in the context of international capital, labour and goods markets. Topics include the classic gold standard, core-periphery relations, the inter-war years and growth after 1945. Emphasis on the European experience. Two lectures weekly, seminar fortnightly. (Excludes *Economics 360*.)

M. Huberman

Economics-Environmental and Resource Studies 381a

Environmental economics. This course examines the links between economic activity and environmental degradation. The course examines the relationship between private and social incentives for economic activity. Topics include the valuation of environmental amenities, incentive compatible regulation, the economic and environmental effects of market failure and the rationale for government intervention. Two lectures weekly, seminar fortnightly.

B. Leith

Economics-Canadian Studies 384b

Health economics. Economic analysis of the organization, financing and utilization of health services. Patterns of consumer and provider behaviour; the functioning and regulation of markets for health services; policy issues in the provision of health care in Canada. Two lectures weekly, seminar fortnightly.

J. Muldoon

Economics 397a

Special topics in economic analysis and policy: Competitiveness Policy. The role of government policy in national competitiveness with special reference to Canada's policy options. Topics include defining competitiveness and the range of applicable policy, alternative views of the determinants of competitiveness and the role of the state, government and competitiveness in the United States, European and East Asian economies including Japan. Canada's policy options in the resource-based, basic manufacturing, high technology, and service sectors. Two lectures weekly, seminar fortnightly.

P. Wylie

Economics 400b

Topics in advanced microeconomic theory. Development of utility theory from axiomatic preference theory, the structure of utility and production functions; duality in consumer theory; decision-making under uncertainty; general equilibrium models; welfare economics; game theory. Prerequisites: *Economics 200*, *Economics-Administration 225a*, *220b* (or equivalents).

T. Drewes

Economics 401

Research project. This course is designed in such a way that the student must research a topic of individual interest under the close supervision of a faculty

adviser. Prerequisite: Open only to single or joint economics majors in the fourth quarter of the Honours program.

H. Kitchen and staff

Economics 405a

Topics in advanced macroeconomics. The Classical model; IS/LM model and resurrection of Keynes; Keynesian macroeconomics as an equilibrium and disequilibrium phenomena; micro-foundations of macroeconomics; implicit contract theory; wealth effects and government budget financing; rational expectations and new Classical macroeconomics; optimal choices of monetary policy instruments; trade unions, wages and employment; and efficiency wage and other theories of unemployment.

Prerequisites: *Economics 201, Economics-Administration 225a, 220b* (or equivalents). Three lectures weekly.

B. Leith

Economics 420b

Topics in econometrics. (Not offered this year.)

Economics 425b

Advanced topics in mathematical economics. Classical and non-linear programming; differential equations; dynamic optimization; optimal control theory; game theory and economics of uncertainty. Economic theory and applications will be stressed throughout the course. Prerequisite: *Economics 325a* or permission of the instructor.

M. Arvin

Education

Associate Professor and Director Trent-Queen's Teacher Education Program

Deborah P. Berrill, B.A. (NORTHWESTERN), M.A. (TORONTO), PH.D. (EAST ANGLIA)

Assistant Professor

Margaret Olson, B.ED., M.ED., PH.D. (ALBERTA)

Adjunct Faculty

Ladd Skube, B.A. (WESTERN), B.ED., M.ED. (TORONTO)

Students contemplating careers in teaching in either elementary or secondary schools are able to undertake a four- or five-year program of studies at Trent and Queen's Universities. The concurrent teacher education program, co-sponsored by the Faculty of Education, Queen's

University, enables students to enrol in programs which qualify them for a Bachelor of Arts or a Bachelor of Science degree from Trent University and a Bachelor of Education degree from Queen's University. The first three or four years of the Concurrent Program are conducted at Trent and the first half of the final year is held at Queen's University. At the same time the student will obtain an Ontario Teacher's Certificate with either Primary-Junior (Grades K to 6) or Junior-Intermediate (Grades 4 to 10) or Intermediate-Senior (Grades 7 to OAC) specialization.

Note:

While responsibility for ensuring that all B.A./B.Sc. and B.Ed. requirements are fulfilled rests with the student, students are strongly encouraged to consult with the Trent-Queen's Teacher Education Program office to ensure that courses selected are acceptable in meeting these Program requirements. A list of acceptable courses is made available to Teacher Education students in the Fall prior to registration at information sessions.

Primary-Junior Program

This option is designed for candidates who intend to begin their teaching careers in elementary schools. Candidates are prepared to teach all subjects in the Primary division (Kindergarten to Grade 3) and the Junior division (Grades 4 to 6).

Candidates admitted to this program are required to include in their overall Arts/Science program:

- 1 course in Psychology
- 1 course in language or linguistics
- 1 course in Mathematics (or OAC Mathematics)
- 1 course in the arts
- 1 course in social studies (History, Geography, Political Studies, Sociology, Anthropology, Native Studies, Canadian Studies, Comparative Development Studies, Environmental and Resource Studies, and Women's Studies)
- 1 course in science (or OAC Science)

Junior-Intermediate Program

This option prepares candidates to teach in the Junior division (Grades 4 to 6) and the Intermediate division (Grades 7 to 10). In addition to a core program preparing generalist teachers, there is the opportunity for candidates to do further study in one teaching subject of the Intermediate division.

Candidates selecting this option may major in any subject but must include in their total undergraduate degree program three full courses in one teaching subject, i.e. English, Drama, Geography, History, Mathematics, Native Studies, Visual Arts and General Science. Exception is French where five full undergraduate courses are required.

In addition, candidates are required to include in their overall Arts/Science program:

- 1 course in Psychology
- 1 course in language or linguistics
- 1 course in Mathematics
- 1 course in Science

Intermediate-Senior Program

This option prepares candidates to teach in the Intermediate division (Grades 7 to 10) and the Senior division (Grades 11 to OAC). Candidates admitted to this option must select two teaching subjects for the study and development of teaching methods in these divisions. They must include in the undergraduate degree five full courses in one teaching subject and four full courses in the other. Exception is French where five full undergraduate courses must be completed. Also included in the undergraduate degree must be one course in Psychology. In addition to the subject concentrations mentioned above in the Junior-Intermediate program, candidates may also select from Biology, Chemistry, Computer Science and Physics.

Program Design

Candidates must have obtained an overall B average (70%) in all Arts/Science courses from a three-year B.A. or B.Sc. program, or an Honours degree, before proceeding to the final year of the program.

The design of the concurrent program is an attempt to make teacher preparation both academic and field centred. The program is spread over a four- or five-year period and places the students in contact with school children in each of the years while at the same time allowing the students to pursue academic and professional studies. The students' involvement in the professional program increases from year to year and culminates in a one-half year of internship from January to April of the final year. Candidates elect to specialize in one of three program options upon entry into second year.

The program encourages candidates to do an Honours degree. Candidates for an Honours B.A. or B.Sc. take a full fourth year in arts and science and complete the final year of the education program in their fifth year.

Approximately 115 candidates may be accepted in first year. Candidates will be selected on the following criteria:

1. Academic Profile **50%** (Ontario Grade 13 or 6 OACs or equivalent).
2. Experience Profile **50%** (showing candidate's related experience and stressing responsibility, leadership and initiative). The program is actively seeking candidates with experience with special needs populations and in multicultural settings.
3. The program actively seeks candidates who are interested in teaching science at both elementary and secondary school levels; and/or women interested in science at all levels.

Required Courses

Year 1

Up to five full B.A. or B.Sc. courses. One Education Special Studies half course. Equivalent of 10 full days in classrooms.

Year 2

Up to five full B.A., or B.Sc. courses. One Education Foundations course. Equivalent of 10 full days in classrooms.

Year 3

Five full B.A. or B.Sc. courses. One Education Foundation course. Five full days followed by one continuous week of evaluated teaching in classrooms.

Final Year

Fall semester at Queen's University: Curriculum Studies, Foundations, Skills, Practicum. Fall teaching round and, during winter semester, a four-month internship in a school in Peterborough, Kingston or other selected areas.

Note:

Students enrolling in the Trent-Queen's Concurrent Teacher Education Program are required to pay Queen's course fees for their Education courses. These are not covered by Trent University arts and science tuition fees.

Also, in Education courses students are expected to pay a nominal course materials fee.

English Literature

Professor and Chair of the Department
Z.H. Pollock, B.A. (MANITOBA), PH.D.
(LONDON)

Professors Emeriti

E.M. Orsten, M.A. (OXFORD), PH.D.
(TORONTO); G. Roper, M.A., PH.D.
(CHICAGO)

Professors

R.D. Chambers, B.A. (MCGILL), B.LITT.
(OXFORD); L.W. Conolly, B.A. (WALES),
M.A. (MCMASTER), PH.D. (WALES); R.J.
Dellamora, A.B. (DARTMOUTH COLLEGE),
B.A. (CAMBRIDGE), M.PHIL., PH.D. (YALE) (on
leave Winter Term 1996); J.A. Fekete,
M.A. (MCGILL), PH.D. (CAMBRIDGE); S.F.
Gallagher, B.A., PH.D. (IRELAND), M.A.
(WESTERN ONTARIO); G.A. Johnston, B.A.
(TORONTO), M.A. (HARVARD); W.I.
McLachlan, M.A. (OXFORD); O.S. Mitchell,
M.A. (ALBERTA), PH.D. (LONDON) (on leave
Winter Term 1996); J.E. Neufeld, B.A.
(TORONTO), M.A., PH.D. (CHICAGO) (on leave
1995-96); M.A. Peterman, A.B.
(PRINCETON), M.A., PH.D. (TORONTO); J.M.
Treadwell, B.A. (TORONTO), M.A.
(CAMBRIDGE) (on leave Winter Term
1996); F.B. Tromly, B.A. (GRINNELL), M.A.,
PH.D. (CHICAGO)

Associate Professors

S.W. Brown, B.A., M.A. (WINDSOR), B.A.,
PH.D. (QUEEN'S), F.S.A. (SCOT); K.A.
Chittick, B.A., M.A. (TORONTO), PH.D.
(EDINBURGH); L.J. Clark, B.A., M.A.
(TORONTO), PH.D. (VIRGINIA); G.D.
Eathorne, B.A. (NEW ZEALAND), M.A.
(CANTERBURY); D.K. Glassco, B.A.
(QUEEN'S), M.A. (MELBOURNE); E.A.
Popham, B.A., M.A. (MANITOBA), PH.D.
(QUEEN'S)

Assistant Professors

J. A. Buckman, B.A. (MCGILL), M.A.
(SUSSEX), PH.D. (MONTREAL) (on leave Fall
Term 1995); M.C. Eddy, M.A. (WESTERN
ONTARIO), PH.D. (TORONTO); S.L. Keefer,
M.A., PH.D. (TORONTO)

Note:

The curriculum of the Department has been designed to accommodate a wide range of approaches to the study of English Literature. With the exception of *English 205* (see below), courses are arranged in six categories. Each of the first five categories (A to E) encompasses a single literary period, and courses within each category provide a variety of approaches to the period. These

approaches include literary-historical surveys, studies of outstanding writers in relation to their age, and studies of literary topics or genres associated with a particular literary period. The sixth category (F) consists of courses which are not confined to any particular period, but which provide comprehensive inquiries into genres, literary theory and criticism, and the history of ideas. The Department encourages students to explore as many different kinds of study as possible.

A	B	C	D	E	F
800 to 1500	1500 to 1642	1642 to 1790	1790 to 1900	1900 to Present	Genres, etc.
230	220	201	210	229	100
331	253	300	231	265	310
332	351	301	232	266	315
431	420	434	320	340	325
432	433		321	345	329
			435	350	360
			436	365	370
				371	375
				440	380
				450	381
				460	425
				4651	4951
				4652	4952
				466	4953
				475	

Required Courses

English 205: Methods of Literary Analysis is a requirement for all English majors in the second quarter of their program.

The single-major Honours program in English consists of nineteen courses. Minimum of ten English courses, including *English 205*. At least one course must be chosen from each of the six categories listed above, and at least three of the final four must normally be *four-hundred series* English courses.

Joint-major Honours program. Minimum eight English courses, including *English 205*. Five courses are to be chosen from different categories listed above, and at least two of the final four must normally be *four-hundred series* English courses.

Single-major General program. Minimum six English courses, including *English 205*. Four courses are to be chosen from different categories listed above, including at least two from categories A to C, and at least two from categories D to F.

Joint-major General program. Minimum five English courses, including *English 205*. Three courses are to be chosen from different categories listed above, including at least one from categories A to C, and at least one from categories D to F.

Special Provisos

One-hundred series courses: In 1995-96, the Department is introducing a new first-year course, *English 100: Introduction to English Literature*, which will take the place of the three existing first-year courses. *English 100* excludes *English 120*, but not *English 105* or *English 115*.

No more than two first-year English courses may be counted towards a degree. First-year students wishing to take a second English course must obtain written permission from the Department Chair.

Normally, a student will be required to take a *one-hundred series* English course and obtain a grade of C- (60%) or better in order to major in English.

Two-hundred and three-hundred series courses: Any *two-* or *three-hundred series* English course is open to any upper-year student, with the exception of *English 205* which is not open to English majors in their fourth quarter. *Two-hundred series* English courses are considered equivalent to *three-hundred series* courses to satisfy the University degree requirement of four full courses in the *three-hundred series*.

Fourth quarter: The fourth quarter of the Honours program will normally consist of four courses.

Information meetings for students intending to enter the fourth quarter of the Honours program are held during the Winter Term when the details of the next year's *four-hundred series* course offerings and application procedures are outlined. All inquiries should be directed to Professor E.A. Popham, Peter Robinson College, 748-1739 (e-mail: "epopham").

Four-hundred series courses are normally limited to students in the fourth quarter of the Honours program. However, students wishing to apply for admission to a *four-hundred series* course before entering the fourth quarter of the Honours program may do so if they have been declared eligible to proceed in Honours and have obtained the permission of the instructor.

Four-hundred level (Honours-stream) seminars in *two-* and *three-hundred series* courses are provided for students lacking a prerequisite for a *four-hundred series* course in a category which they require, but they are open as well to any fourth-

quarter students who have not already taken the related *two-* or *three-hundred series* course. These seminars are equivalent to *four-hundred series* courses in workload and assessment, and will be recorded as *four-hundred series* courses on students' transcripts. (Proposed Honours-stream seminars are announced at the fourth-quarter information meeting.)

English majors wishing to enrol in two or more of *English-Canadian Studies 4651, 4652*, or *466* must first obtain the permission of the Chair of the English Department.

Note:

As one of the optional English courses allowed in the General and Honours programs in English, students may count one of the following full-, or two of the following half-courses: *Canadian Studies 355; Classical Literature 100, 200; Cultural Studies 205, 222, 225, 270, 322, 370; German 221a, and 222b; Spanish 324a, 325b*. However, none of these courses may be used to satisfy the category requirements for English majors.

The Department recommends that students considering graduate studies in English literature complete an upper-year course in a second language.

English 100

Introduction to English Literature.

This course provides an overview of the development of English literature. It is taught in a series of historically-based units, each focusing on a central issue in a major period of English literary history. In 1995-96, concentration will be on the Renaissance, eighteenth-century, nineteenth-century, and Modernist periods. There will be a number of workshops throughout the year, providing a social, historical, and cultural background to the literature being studied. One-hour lecture and seminar weekly; several two-hour workshops. (Excludes *English 120*.)

F. B. Tromly and staff

English 201

Studies in Milton. (Offered in alternate years, but not this year.)

English 205

Methods of literary analysis. An introduction to methods of literary analysis, and to the assumptions underlying their use. Emphasis will be placed on learning through writing, and a wide range of works, representing a variety of periods, genres, and cultural

perspectives, will be explored. Weekly three-hour workshop.

E.A. Popham and G.A. Johnston

English 210

The Romantics. A study of the major English writers of the Romantic revolution: Burke, Wollstonecraft, Blake, Coleridge, Wordsworth, Austen, Byron, the Shelleys, Keats, and Emily Brontë, with some attention to minor figures and to Romantic theories of the imagination. Weekly lecture and seminar.

L.J. Clark and staff

English 220

Studies in Shakespeare. An examination of Shakespeare's dramatic career through the study of about a dozen representative works spanning the period from the early comedies to the last plays. Particular consideration will be given to Shakespeare's imaginative development. Weekly lecture and seminar; several workshops.

D.K. Glassco and staff

English-Cultural Studies 229

Science fiction. (See Cultural Studies.)

English 230

The history of the English language. A study of the English language, tracing its development and use from earliest times to modern experimental fiction. The course introduces this study through practical philology and applies language skills to a wide range of prose and verse, with special emphasis on works from the Old and Middle English periods. Recommended: *Modern Languages 100*. Weekly lecture or language workshop and seminar.

S.L. Keefer

English 231

The American Renaissance. (Offered in alternate years, but not this year.)

English 232

American literature: The Gilded Age. A study of American literature from the Civil War to World War I, and of the relation between historical change and culture in the period. Writers to be studied include Twain, James, Howells, Crane, Norris, Bellamy, Dreiser, Wharton, and Adams. Weekly lecture and seminar. (Offered this year and in alternate years.)

M.A. Peterman and Staff

English 253

Elizabethan and Jacobean literature. (Not offered this year.)

English-Canadian Studies 265

English Canadian prose. A study of some of the principal Canadian writers of prose in English from the nineteenth century to the present day. Works by approximately sixteen writers, including some of the following: Atwood, Bissoondath, Callaghan, Davies, Duncan, Findley, Glassco, Haliburton, Hodgins, King, Kogawa, Kroetsch, Laurence, Leacock, MacLeod, MacLennan, Mitchell, Moodie, Munro, Ondaatje, Richler, Ross, Watson, Wiebe, Wilson, and Wiseman. Weekly lecture and seminar.

O.S. Mitchell and staff

English-Canadian Studies-Women's Studies 266

Canadian women's writing. (See Canadian Studies.)

English 300

Literature of Augustan England. Studies in the literature of the English Augustan period, 1660-1740. Writers to be studied include Addison and Steele, Behn, Congreve, Defoe, Fielding, Lady Mary Wortley Montagu, and Wycherley, with particular emphasis on Dryden, Pope, and Swift. Weekly lecture and seminar. (Offered in this year, and in alternate years.)

J.M. Treadwell/S.W. Brown and staff

English 301

The age of Johnson. (Offered in alternate years, but not this year.)

English-Women's Studies 310

Gender and literature. A study of relations between gender and literature in the works of women writers in England and the United States (Wollstonecraft, Austen, Brontë, Dickinson, Christina Rossetti, Chopin, Woolf, Plath, Rich, Lessing, Piercy, Audre Lorde, Toni Morrison, and Angela Carter) and some of their important forerunners. Weekly lecture and seminar. (Offered this year and in alternate years.)

TBA/ J.A. Buckman

English 315

Commonwealth fiction. (Offered in alternate years, but not this year.)

English 320

The age of Dickens. A study of Victorian literature and society. Writers to be studied include Carlyle, Dickens, Thackeray, George Eliot, Gaskell, Ruskin, and Arnold. Weekly lecture and seminar. (Offered in this year, and in alternate years.)

K.A. Chittick

English-Cultural Studies 321

Literature and society. (Offered in alternate years, but not this year.)

English 325

Critical approaches to literature. What are we doing when we read and interpret literature? Are we passive recipients of an author's ideas and intentions? Do our cultural assumptions affect what we read and how we read it? Does literature exist as a reflection of the world, or for art's sake alone? This course will examine critical approaches to literature and interpretation in the twentieth century: Formalism, Structuralism and Semiotics, Reader-Response Criticism, New Historicism, Psychoanalytic Criticism, Deconstruction, and Feminism. Weekly lecture and seminar; several workshops. *TBA/J.A. Buckman*

English-Cultural Studies 329

Utopia (Future fiction). (See Cultural Studies.)

English 331

Chaucer and his age. (Offered in alternate years, but not this year.)

English 332

Medieval romance. A study of the romance tradition (particularly the Arthurian) from its beginning in myth and legend, through the development of courtly love and the chivalric ideal in the influential writings of Marie de France and Chrétien de Troyes, to the breadth of form found in the Middle English metrical romances, *Sir Gawain and the Green Knight*, and *Le Morte d'Arthur* by Sir Thomas Malory. Weekly lecture and seminar. (Offered this year, and in alternate years.)

S.L. Keefer and staff

English 345

Modern British fiction. The course charts the major developments in British fiction in the twentieth century. The focus will be on thematic, technical, and stylistic innovation as a response to an era of unprecedented social change and uncertainty. Writers to be studied include Conrad, Ford, Joyce, Lawrence, Woolf, Forster, Waugh, Huxley, Greene, Rhys, Naipaul, and Gordimer. Weekly lecture and seminar. (Offered this year, and in alternate years.)

G.D. Eathorne

English 350

Modern drama. Studies in the works of recent English, Irish, American, and Canadian dramatists. Writers to be studied include Shaw, Synge, O'Casey, O'Neill, Williams, Osborne, Pinter, Pollock, and French. Weekly lecture and seminar. *S.F. Gallagher*

English-Canadian Studies-Native Studies 360

Native peoples in literature. The course considers the images and distortions of native people in a representative series of North American fictions by native and non-native authors. Writers to be studied include Cooper, Longfellow, Lafarge, Mitchell, Momaday, Silko, and King. Weekly lecture and seminar.

G.A. Johnston

English 370

Studies in the novel. A study of the development of the English novel, stressing both its thematic and technical aspects. Writers to be studied include Defoe, Fielding, Austen, Charlotte Brontë, Dickens, Eliot, Hardy, James, Conrad, Bennett, and Woolf. Weekly lecture and seminar. (Offered this year, and in alternate years.)

R.D. Chambers and staff

English 371

Modern American fiction. (Offered in alternate years, but not this year.)

English 375

An introduction to creative writing. A workshop course which offers students a formal course structure within which to pursue their interest in creative writing. The 1995-96 workshop will concentrate on fiction. Students will submit rough written work ("freefall") weekly, and over the year will work towards a finished piece of fiction. Students seeking admission to the course will submit a portfolio of written work to the instructor by July 1, 1995, and will be notified if they have been accepted into the course by August 1. Weekly three-hour workshop.

O.S. Mitchell

English-Cultural Studies 380

Narrative literature and film. (Not offered this year.)

English 381

Literature and psychology. (Not offered this year.)

English 402

Honours thesis. A double credit course, for which double fee is charged, in which instruction in research methods leads to a thesis of about 15,000 words. This year, the department deadline for a thesis abstract and bibliography (signed by the thesis supervisor) is May 1.

English 420

Advanced studies in Shakespeare. Topic for 1995-96: Shakespeare and the romantic impulse. The course will look at Shakespeare's problem comedies and the romances, examining in particular the ironic treatment of heterosexual love in the comedies and the persistent will to believe in love as a redemptive force in the romances. We will also take time to look at the expression of similar combinations of irony and romance in selected twentieth-century poets (including e.e. cummings, W.H. Auden, and John Berryman) and film makers. Prerequisite: *English 220* or *253* or permission of the instructor. Two-hour seminar weekly.

S.W. Brown

English-Cultural Studies 425

Advanced studies in literary and critical theory. Prerequisite: None. (See Cultural Studies.)

English 431

Studies in Old English language and literature. Topic for 1995-96: The impact of Christianity on Germanic pagan culture. We will study the energies and tensions created by the Christianizing of the Germanic invaders of England. A broad background in the history, aesthetics and beliefs of Anglo-Saxon culture, acquired in the first term at the same time as language skills, will provide the context in which we explore the literature of pre-Conquest England in second term. Prerequisite: *one-hundred* level German or *one-hundred* level Latin or *English 230* or permission of the instructor. Two-hour seminar weekly.

S.L. Keefer

English 434

Advanced studies in Restoration and eighteenth century literature. (Not offered this year.)

English 435

Advanced studies in the Romantics. Topic for 1995-96: The politics of romanticism: Byron and some of his contemporaries. A study of Romantic poetry with particular attention to Byron. It follows the

Romantic poets' attempt to find a "natural" poetic rhetoric, and will culminate with a reading of the conversational epic *Don Juan*. This course will set the development of Byron and a romantic poetic language within the era's debate about libel and liberalism. Prerequisite: None. Two-hour seminar weekly.

K.A. Chittick

English 436

Advanced studies in Victorian literature. (Not offered this year.)

English 440

Advanced studies in modern poetry. Topic for 1995-96: The makers of modern poetry. An examination of the major shapers of twentieth-century verse, including W.B. Yeats, Wallace Stevens, T.S. Eliot, the poets of World War I, D.H. Lawrence, W.H. Auden, and Seamus Heaney. Prerequisite: None. Two-hour seminar weekly.

D.K. Glassco

English 450

Advanced studies in modern drama. Topic for 1995-96: Modern Irish drama. A study of drama in Ireland from the foundation of the Abbey Theatre to the present. Playwrights to be studied include Shaw, Yeats, Lady Gregory, Synge, O'Casey, Lennox Robinson, Denis Johnston, Brian Friel, Hugh Leonard, and Thomas Murphy. Prerequisite: None. Two-hour seminar weekly.

S.F. Gallagher

English 460

Advanced studies in modern fiction. Topic for 1995-96: The Bloomsbury Group. An examination of the works of several members of the Bloomsbury Group, with special emphasis on the fiction of Virginia Woolf and E.M. Forster, and the biographies of Lytton Strachey. Consideration will also be given to the aesthetic, economic, and philosophic theories of Roger Fry, Clive Bell, and J.M. Keynes as they are reflected in the literary works. Prerequisite: None. Three-hour seminar fortnightly.

G.D. Eathorne

English-Canadian Studies 4651

Advanced studies in Canadian literature. Topic for 1995-96: Modern Canadian Drama. This course will provide a critical overview of the history of English-Canadian Theatre and Drama, from the beginnings to the present, with an emphasis on the twentieth century. The first half of the course will focus on

theatre history; the second on dramatic literature. Among the playwrights to be studied are George Ryga, David French, George Walker, Sharon Pollock, Judith Thompson, and Tomson Highway.

Prerequisite: *English-Canadian Studies* 265 or 266 or 365 or *English* 350 or *Cultural Studies* 270 or 370 or permission of the instructor. Two-hour seminar weekly.

L.W. Conolly

English-Canadian Studies 4652

Advanced studies in Canadian literature. Topic for 1995-96: Ontario in literature. A study of the evolution of a distinctive Ontario outlook in Canadian writing from the early Nineteenth Century to the present. Writers to be studied may include Traill, Moodie, Crawford, Duncan, Leacock, Davies, Findley, Hood, Callaghan, Matt Cohen, Atwood, Munro, Engel, Shields, Ondaatje, Purdy, Lee, Hospital, Keefer, Clarke, etc. **Prerequisite:** *English-Canadian Studies* 265 or 266 or 365 or permission of the instructor. Two-hour seminar weekly.

M.A. Peterman

English-Canadian Studies 466

Canadian literary pluralities. **Prerequisite** for English majors: *English-Canadian Studies* 265 or 266 or 365 or permission of the instructor. (See Canadian Studies.)

English-Women's Studies 475

Advanced studies in American literature. Topic for 1995-96: William Faulkner and Toni Morrison. The course examines the representation of gender and race in the fiction of Faulkner (first term) and Morrison (second term), the two major voices emerging from the American South in the twentieth century. The fiction will be read in the context of current debates in feminist and African-American literary theory. **Prerequisite:** *English* 231 or 232 or 310 or 325 or 371 or permission of the instructor. Two-hour seminar weekly.

M.C. Eddy

English 490

Reading course. The course allows the student to select, with the approval of the Department, an area for research study which is then pursued under the direction of a member of the Department. Students are advised that all normal Calendar deadlines for registration in courses apply to *English* 490.

English 495

Special topics: The following special topic courses will be offered in 1995-96:

English 4951

Theory of tragedy. An exploration of tragedy, ancient and modern, in theory and practice, with special attention to Aristotle, Hegel, and Nietzsche. Other theorists will include Martha Nussbaum, Allan Bloom and Harry Jaffa, Walter Kaufman, A.C. Bradley, Max Scheler, Paul Cantor, and Raymond Williams. Literary authors will include Sophocles, Aeschylus, Shakespeare, Milton, Percy Shelley, Byron, George Eliot, Thomas Hardy, Thomas Mann, Samuel Beckett, and Chinua Achebe. **Prerequisite:** None. Two-hour seminar weekly.

L.J. Clark

English-Women's Studies 4952

Advanced studies in gender and literature. **First Term:** Special topics in Gay Writing. An examination of 1) the queering of "Eng Lit" in contemporary cultural studies and 2) the work of genre in literary representations of AIDS. **Second Term:** Experimental prose by women writers. An examination of works by women writers that challenge the conventions of representation in fiction. Discussions will centre on whether innovations that question our attitudes toward genre, language, characterization, narration, and the act of reading itself, do in fact address issues relating to female identity, feminist philosophy, or more general problems of value and meaning. What is the impact of the shift from a liberal humanist to a postmodernist paradigm on traditional feminist concerns? Writers to be studied will include some of the following: Sinfield, Marlowe, Goldberg, Jarman, Wojnarowicz, Monette, Ryman, and Kushner (in First Term); and Carter, Winterson, Tennant, Diski, Acker, E.M. Broner, Morrison, Wittig, Kingston, Urquhart, Molinaro, Cunha, and Lispector (in Second Term). **Prerequisite:** None. Two-hour seminar weekly.

R.J. Dellamoral/J.A. Buckman

English-History 4953

Narratives of legitimacy: authority and subversion in History and Literature. The course will explore relationships between the methodologies and practices of historical and literary analysis. The focus will be on the issue of political legitimacy: in Tudor England, as it is reflected in the works of historians such as Holinshed and in Shakespeare's history plays; and in post-independence Latin America as it is reflected in the works of historians such as Sarmiento and in modern Latin American

novels. Students will be expected to combine literary and historical analysis in their readings, class discussion, and written work. Prerequisite: None. One-hour lecture weekly, ninety-minute seminar fortnightly, colloquia and project meetings.

Z.H. Pollock and D. Sheinin

Environmental and Resource Studies

Associate Professor and Chair of the Program

C.D. Metcalfe, B.SC. (MANITOBA),
M.SC. (NEW BRUNSWICK),
PH.D. (MCMASTER)

Professor Emeritus

C. Carter, B.SC., PH.D. (LONDON)

Professors

R.D. Evans, B.SC. (TORONTO), PH.D. (MCGILL); W.F.J. Evans, M.A., PH.D. (SASKATCHEWAN); T.C. Hutchinson, B.SC. (MANCHESTER), PH.D. (SHEFFIELD); R.C. Paehlke, B.A. (LEHIGH), M.A. (NEW SCHOOL FOR SOCIAL RESEARCH), PH.D. (BRITISH COLUMBIA); M.L. Rubinoff, B.A. (QUEEN'S), M.A., PH.D. (TORONTO) (on leave Fall Term 1995)

Associate Professors

M.G. Fox, B.SC. (PENNSYLVANIA), M.E.D.S. (CALGARY), PH.D. (QUEEN'S); M. Havas, B.SC., PH.D. (TORONTO); B. Leith, B.A. (WESTERN), M.A., PH.D. (YORK) (on leave Winter Term 1996); T.H. Whillans, B.A. (Guelph), M.SC., PH.D. (Toronto)

Assistant Professors

S. Bocking, B.SC., M.A., PH.D. (TORONTO); D.G. Holdsworth, B.SC. (WATERLOO), M.SC. (MCMASTER), PH.D. (WESTERN ONTARIO) (on leave Fall Term 1995); R. Ponce-Hernandez, B.ENG., M.SC. (CHAPINGO), D.PHIL. (OXFORD) (on leave Fall Term 1995)

Conjunct Professor

P. Welbourn, B.SC., PH.D. (BRISTOL)

Demonstrator/Technicians

R.K. Loney, B.SC. (TORONTO); R.C. Williams, B.SC., M.SC. (TRENT)

Associated Faculty

Biology, E. Nol, R. Jones; Canadian Studies, J.H. Wadland; Chemistry, J.M. Parnis; Computer Studies, S. Regoczei;

Geography, J.M. Buttle, P.M. Lafleur, J.S. Marsh; Physics, J.W. Earnshaw; Women's Studies, M. Hobbs

The Environmental and Resource Studies Program is an interdisciplinary program offered by Environmental and Resource Studies (ERS) in cooperation with twenty-three other University departments and programs. It provides an opportunity to take a single- or joint-major Honours or a single- or joint-major General B.A. (Environmental Studies, ER) or B.Sc. (Environmental Science, ES) degree, consisting of ERS core courses and support courses from other academic units. Students should note carefully the course descriptions to ensure that they have the necessary prerequisites for any support courses they may wish to take for ERS credit. Students who have not obtained prior written permission from instructors when prerequisites are not met will not be allowed to register in these courses. Enrolment limits will apply to many ERS courses in 1995-96. Note also the indication of which courses are available in alternate years. Course descriptions for courses not offered in 1995-96 are available on GOPHER.

Degree Requirements

Please read the section of the Calendar that describes the university-wide requirements for B.A. and B.Sc. degrees. Note also that a B.Sc. degree requires completion of a Grade 13/OAC course in Mathematics or equivalent, or a university-level Mathematics course. For a B.A. one of *Economics 101(a/b)/102(a/b)*, *Geography 101*, *Philosophy 105* or *Mathematics-Statistics 150* must be taken. Another course with quantitative content may be substituted with permission of the ERS Chair.

The Environmental and Resource Studies Program offers the student the opportunity to specialize in one of seven themes, each of which represents an informal stream of courses:

1. Environmental Thought and Communication (B.A.)
2. Environmental Policy and Planning (B.A.)
3. Community Economic and Resource Development (B.A.)
4. Natural Resource Management (B.Sc.)
5. Ecological Systems (B.Sc.)
6. Physical-Chemical Problems (B.Sc.)
7. Ecological Toxicology (B.Sc.)

A summary of the streams of specific core and support courses that are recommended for each theme is available from the ERS Program Office.

Required Courses

Single- and joint-major Honours programs consist of twenty full-course equivalents, including a minimum of ten ERS courses for a single-major and eight for a joint-major. Students who have taken Grade 12 Environmental Science in Ontario or the equivalent elsewhere may opt to write a test during introductory week, a grade of at least 60% on which will exempt them from taking *Environmental and Resource Science 100*, but will not alter the required minimum number of ERS courses. Additional requirements include:

Bachelor of Science

ES 100

one full course from *ES-BI 202*, *ES 221a*, *ES 210b*, *ES 220*, *ES 230*, *ES 240* *ES-GO 208a* or a Mathematics half-course

five *three-hundred* and *four-hundred* level ERS courses (single major)

three *three-hundred* and *four-hundred* level ERS courses (joint major)

one *two-hundred* level or higher ER arts course

Note:

A total of 14 science courses is required for an Honours B.Sc.

Bachelor of Arts

ES 100

ER 251a and *210b* or one of *ER 200*, *250*

five *three-hundred* and *four-hundred* level ERS courses (single major)

three *three-hundred* and *four-hundred* level ERS courses (joint major)

one *two-hundred* level or higher ES science course

The thesis course, *ER 402* or *ES 402*, is equivalent to two full-courses, but requires permission of the ERS Chair and a minimum average in ERS credit courses of 75%. It is anticipated that most honours students will not do a thesis. Candidates for the thesis course that begins in September should apply for entry during pre-registration. Acceptance for the thesis course is dependent upon the candidate having made arrangements with a suitable ERS supervisor.

One listed support course may be taken for ERS credit in either the single or joint major honours program. Occasionally a second of these courses may be approved by the ERS Chair for single-majors.

Required Courses

Single- and joint-major General programs consist of fifteen full-course equivalents, including a minimum of six ERS courses for a single-major and five for a joint-major. Additional requirements include:

Bachelor of Science

ES 100

one full course from *ES-BI 202*, *ES 221a*, *ES 210b*, *ES 220*, *ES 230*, *ES 240* *ES-GO 208a* or a Mathematics half-course

three *three- and four-hundred* level ERS courses

(single major)

two *three- and four-hundred* level ERS courses

(joint major)

Note:

A total of 11 science courses is required for a B.Sc. General degree.

Bachelor of Arts

ES 100

ER 251a and *210b* or one of *ER 200*, *250*

three *three-hundred* level ERS courses (single major)

two *three- and four-hundred* level ERS courses

(joint major)

One listed support course may be taken for ERS credit in either the single or joint major General program.

Core Courses

Please note that many of the course numbers have been changed for the 1995-96 Calendar. Please check with the ERS Program Office for equivalents.

Environmental and Resource Science 100 Scientific bases of environmental problems. Interdisciplinary environmental science stressing the socio-economic physical, biological and technological foundations of environmental degradation and preservation, air and water pollution; solid wastes disposal and recycling; non-polluting energy resources; radiation; and noise. Three hours of lecture and film weekly, seminars fortnightly.
Coordinator: M. Fox; R.D. Evans, M. Havas and other staff





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