

# FALL & 82 WINTER 83

PART-TIME STUDIES



degree courses · swimming programs · professional and individual exploration (PIE)  
professional certificate programs · general interest courses · study skills programs  
family fun and fitness · University certificate programs · programs for shift workers  
programs for teachers · programs for older adults · personal and career development  
For further information contact The Office of Part-Time Programs 416/688-5550, ext. 249

## AT BROCK

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# Introduction

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*Of all the devices invented by Man during the past centuries, education has been most effective in helping Man to improve himself; to change and to cope with change in his environment; to change and to cope with change in his society.*

*Education is among the most important factors which determine an individual's attitude toward change. Every individual has several options in regard to change. He may attempt to isolate or to insulate himself from change, by withdrawal or separation from society. He may choose to be only an observer or a recorder of change. The role of being an interpreter of events and trends appeals to some. Education encourages some individuals to intervene in societal movements by developing and using skills to cope with change. Many have learned that education increases one's ability to initiate change, to modify, to slow, to speed-up change, or to alter its direction. Education has become the most essential factor for wise and effective leadership in society.*

*Education includes all types, forms, and levels of instruction, training, research and experience. Education includes parental, pre-school, elementary, education, high, continuing, adult, and all forms and types of lifelong education. Both institutional and non-institutional educational forms are important. No single institution at this time has assumed responsibility for the total spectrum of education, covering the entire life span — from birth until death. The achievement of a unity of purpose among the diverse types, kinds and levels of educational agencies and institutions remains an unsolvable problem.*

*Lifelong education has many uses, many goals, many purposes. All are valuable factors in helping individuals achieve rewarding lives.*

*It must not be forgotten that the ultimate purpose of lifelong education, of all education, is to enable every individual to grow, to change, and to improve until he reaches the fullest and highest possible realization of his physical, intellectual, and spiritual potentials.*

Yet To Be in Lifelong Education, Robert E. Sharer  
Journal of the Association for Continuing  
Higher Education, Vol 30, Number 1, 1982.

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# All about Brock

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## Niagara's neighborhood university

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In less than two decades, Brock University has grown to become an intellectual, cultural and recreational centre for the Niagara region.

More than 2400 full time and 4600 part time students are enrolled, year-round, in our undergraduate and graduate degree programs. In addition to comprehensive studies in the traditional arts and sciences, we offer innovative programs in education, administrative studies, urban and environmental studies, physical education, and child studies.

Degree credit courses are offered during four different sessions: fall/winter day and evening, spring evening, and summer day. In addition, there are general interest courses — in everything from consumer protection to computing — and workshops in professional development. Brock also brings its classes to the peninsula through off-campus teaching centres.

Many people start off by taking one course, part time, just to get a taste of the university learning experience. More often than not, that first course leads to another, and another, and finally a rewarding pass (15 credits) or honors (20 credits) degree program. There is no time limit on undergraduate studies, and certainly no age limit.

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## The campus

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Brock is located in the south end of St. Catharines, on the edge of the Niagara escarpment. The 540 acre campus encompasses some of the region's most inviting trails and countryside. It is within easy commuting distance of all regional centres.

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## Facilities and services

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The main library is one of the focal points of the University. Occupying five floors of the Brock tower, it provides students and faculty with ample research and working space. At last count, the library's collections included more than 600,000 volumes of books, documents, and bound periodicals, and subscriptions to more than 2400 journals, news-

papers, and periodicals. There are also a number of separate collections of government documents, reference books, fine arts materials, and rare books published in, or dealing with, the Niagara region.

Last year, more than 100,000 people took in the sights, sounds, and entertainments of the Brock Centre for the Arts. The Theatre, Playhouse, Studio, and The Gallery have become showcases for local, Canadian, and international artists, as well as the talents of our own drama and music students.

For the athletically-inclined, the place to be on campus is the Physical Education centre. Facilities include two gymnasiums, combatives rooms, fencing and dancing studio, weight and training room, five squash courts, a handball court, and an eight lane, 50 metre swimming pool. Memberships in the centre are open to students, faculty, staff, alumni, and the general public. In the course of the year, Brock plays host to regional school championships, recreational clubs, visiting teams from other nations, and scores of individual enthusiasts. Within the University community, there are well-developed programs for inter-collegiate, intramural, and informal competition.

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## Tours

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One of the best ways to learn all about Brock is to visit the University. Throughout the school year, students are invited to tour the campus and meet informally with faculty and undergraduates. A tour guide is available each weekday at 10 am, although special arrangements can be made if that time is not convenient.

To arrange a tour, please contact the Liaison and Information office, 688-5550, ext. 245.

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## Speakers' Bureau

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The Brock tradition of speaking in the community began in 1811 with Sir Isaac Brock. As a government administrator, he took it upon himself to visit regularly the many communities in Upper Canada, meeting with townspeople and sharing the news of the province and the world.

Today, the Brock University Speakers' Bureau provides speakers for schools, clubs, community groups, and association meetings. In this way, our faculty and staff become more involved with the Niagara community, and the people of the peninsula become better acquainted with us. The topics that our speakers deal with are as varied as the audiences they meet — everything from aging and atomic power to nutrition and international politics.

Requests for speakers should be made well in advance: at least four weeks before the proposed meeting. To learn more about the bureau and how to plan a speaking engagement, please contact the Liaison and Information office, 688-5550, ext. 245.

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## Book Store

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In addition to being the primary source of required and recommended reading materials and textbooks, the Book Store also stocks a wide range of paperback and hardback titles, stationery, magazines, and Brock memorabilia. Beginning September 7, the store will be open during these hours: Monday to Thursday, 9 am to 7 pm, Friday, 9 am to 4:30 pm. Until then, hours will be 9 am - 4:30 pm, Monday to Friday.

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## Day care centre

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*Jane Crips, supervisor  
College of Education*

The Rosalind Blauer Centre of Child Care offers two programs for children whose parents are Brock students, staff, faculty, or members of the local community. Fifteen children may be enrolled in the full day care program, which includes a hot lunch. Another 40 children participate for half days, either mornings or afternoons.

The centre, located in the College of Education, is a cooperative corporation staffed by three full time teachers, two part time assistants, and parent volunteers.

Fees vary according to ability to pay and number of days the child is enrolled. For further information, call (416) 688-0832.



# General interest courses

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## Introduction

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These general interest courses are open to everyone. Designed for personal enrichment and enjoyment, they require no previous experience or academic record. There are no prerequisites, unless specified in the course descriptions. The programs do not carry 'credit'; they do not lead to certificates, diplomas or degrees. Instead, they represent an opportunity for those interested in systematic study to do organized reading and writing, and to exchange ideas with instructors and fellow students. Your own interest is all that is needed to ensure success in a course.

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## Part Time Programs office

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The Part Time Programs department is responsible for the planning and development of part time degree studies and the increasingly-popular general interest courses. The office of Part Time Programs is located in room 263 of the Thistle corridor; office hours are 8:30 am to 4:30 pm, Monday through Friday (closed from 12 to 1 pm). Telephone 688-5550, ext. 249/250.

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## Registration (interest courses only)

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You may register as soon as you receive this brochure. Enrol early to be certain of a place, since applications are accepted in order of their arrival.

Registration should be completed at least one week before the first scheduled session of the course.

Registration procedures are flexible: either enrol in person at the office of Part Time Programs, or by mail. To register by mail, detach the registration form provided in this brochure and mail it, together with full fees payable, to Brock University.

For the public's convenience, there will be a special registration period at the Part Time Programs office: Wednesday, September 22 and Thursday, September 23, 8:30 am to 8:30 pm, and Saturday, September 25 from 10 am to noon.

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## Fee refunds

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Fees are refundable in full only when a course is cancelled. Refunds for other reasons must be requested in *writing* and received in the office of Part Time Programs prior to the second lecture of the course. All requests for refunds must be accompanied by the receipt. A \$10 administrative charge for handling will be deducted. Non-attendance at classes does not constitute official withdrawal.

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## Special fees for older adults

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Residents of the Niagara region who are 60 years of age or older may purchase an annual membership for a fee of \$35. This fee, covering the period September 1, 1982 to August 31, 1983, would entitle older adults to the following:

- free registration in general interest courses and workshops, provided there are sufficient other paying registrants to make the course viable.
- free Brock University extramural library card on request.
- reduced rates for theatre performances.
- use of the physical education centre and swimming pool on payment of regular fees.

It is hoped that older adults will take this opportunity to enjoy the academic, cultural and recreational resources of the University. To apply for membership, follow the registration procedures for interest courses as outlined above. Please indicate "Special fee for older adults" on the registration form, as well as your birthdate. Once you receive confirmation of your registration by mail, simply telephone the office of Part Time Programs to register for courses.

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## Description of courses

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### GEN-05-101 Topics on Nutrition

This is primarily a discussion course in which the relationship of various components to specific health and behavioral problems will

be investigated. The topics to be examined include weight control, diabetes, heart disease, hypertension, cancer, hyperactivity in children, and food for sport. One topic will be presented each week in a one hour lecture and will be completed during a one and one-half hour discussion period the following week. In preparation for each discussion period, participants in the course will be encouraged to read an article selected from an extensive reading list. This course will appeal to homemakers, teachers, and all those concerned with their own well-being.

*Prof. D. J. Ursino, Biology*

6 Wednesdays

7 - 9:30 pm

October 6 - November 10, 1982

Fee: \$35

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### GEN-05-105

#### Ornithology — Field Identification of Birds

This course will be mainly concerned with the identification of the Fall birds of the Niagara Region. The course will cover basic information on behaviour, habitats, and migration patterns of birds. Changing plumages and molts of passerines will also be reviewed. Identification techniques will be reviewed in the classroom and applied on the field trips. Orders and species will be reviewed on a weekly basis. Classification, useful terms, field equipment, study technique, feathers, senses, molts, behaviour, habitats and migration patterns will be discussed. The course will give the student some insight into the difficulty of identifying Fall birds of the Niagara Region. Recommended reading: *A Field Guide to the Birds East of the Rockies*, Roger Tory Peterson, Houghton Mifflin Company.

*Drew Campbell*

4 Thursdays plus 4 field trips (either the Saturday or Sunday following each class to be determined in class)

7 - 10 pm

October 7 - 28, 1982

Fee: \$35

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### GEN-06-104

#### Pesticides: Needs and Worries

Broad aspects of pesticides, chemically and functionally, will be discussed in relation to their toxicities, practical use, effects, and potential hazard to humans and environment. Course topics will include: introduction, general chemistry and toxicology of pesticides; pros and cons re the use of

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# General interest courses

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pesticides; pesticide residues in food; analytical methods, tolerances, safety precautions; research areas: problems, production, disposal, non-pesticidal approaches; future progress, roles of citizens, scientists and politicians.

*Dr. Mikio Chiba, Chemistry*

6 Tuesdays

7:30-9:30 pm

October 5 - November 9, 1982

Fee: \$35

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## Gen-08-108

### The Welland Canals

This course examines the Welland Canals, historically and in their modern form as a major contribution to urban development and regional character. Course content will vary with enrolment, though the sessions are expected to include lectures at Brock University, field visits to localities along the Canal, interpretive sessions at the St. Catharines Historical Museum and the Port Colborne Marine Museum with their curators (Arden Phair and Heather Ott), audio-visual presentations by Colin S. Duquemin and guest speakers probably including Malcolm S. Campbell, Vice President Western Region, St. Lawrence Seaway Authority; Ralph S. Misener, Chancellor: Brock University and Chairman of the Great Lakes/Seaway Task Force; and Fred A. Addis of Port Colborne. Themes will include industry and towns in association with the Canal, its shipping and trade patterns, the character of former Canals, the modern system, and future prospects. Recommended reading: *The Welland Canals Guide*, John N. Jackson and Fred A. Addis, Welland Canals Foundation, (St. Catharines), 1982, ca. \$9.00.

*Dr. John N. Jackson, Geography*

7 Thursdays, plus 1 Saturday field trip to be arranged.

7-9 pm

October 7 - November 18, 1982

Fee: \$35

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## GEN-10-107

### Etymology: Where Words Come From

We use words all the time. Where did they come from? Why do they mean what they do? Etymology traces the history, genealogy, and development of a language. The course will discuss the history of the English language, Greek and Latin roots, the vast assortment of dictionaries now in print as well as topics like advertising and product names

and that constant language problem: slang. If you like to read, to do crossword puzzles, if you use medical jargon in your work, or want to expand your vocabulary, etymology will show you the fascinating world of words. Course topics will include: history of the English language; Greek and Latin roots; introduction to different kinds of dictionaries; advertising: where (and why) do product names come from; slang: does it show language growth or destruction; tracking down words or phrases that interest the students. Recommended: a good dictionary.

*Elizabeth Rupp*

8 Wednesdays

7-8:30 pm

October 6 - November 24, 1982

Fee: \$35

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## GEN-10-108

### The Arabic Alphabet

The beautiful, enigmatic, and mysterious writing system used throughout the Arab world from the shores of the Atlantic Ocean (Morocco) to Pakistan has always fascinated and bewildered most Westerners, who usually wonder with great astonishment how anyone could ever read such symbols. This course will introduce students to the basic fundamentals of the Standard Arabic writing system and pronunciation which is used throughout most of the Islamic world as a religious language and has been adapted even by Islamic speakers of Indo-European languages such as Persian (in Iran) and Urdu (in Pakistan). With the increased interest in the Near and Middle East today in political and economic concerns (e.g. oil production) and in religious studies (e.g. the Khomeini revolution in Iran) the language and alphabet of the Koran has taken on a new importance throughout the world. It shall be the purpose of this course to give students elementary training in the writing and phonetic transcription of this important alphabet. Students participating in this course will be able to read street signs, etc. in the many countries using this alphabet and will have a good beginning for further study of the Arabic language as well as Persian and Urdu. Course topics will include: names of the letters of the Arabic alphabet; pronunciation and phonetic transcription; reading; writing; independent letters; initial letters; medial letters; final letters; vowel signs and special signs; stress (accent) and punctuation marks. Required reading: *Introduction to Modern Standard Arabic Pronunciation and Writing*,

P.F. Abboud et al, Inter-University Committee for Near Eastern Languages, Ann Arbor, Michigan (1968), \$3.00.

*Prof. F. Casler, Classics*

6 Tuesdays

7-9 pm

October 5 - November 9, 1982

Fee: \$35

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## GEN-11-103

### Whither the Mass Media in Canada

If the state has no place in the bedrooms of the nation, has it a role to play in regulating our daily newspapers? What is "freedom of the press" anyway? Why do we have the CRTC to regulate radio and television, but leave the print media to their own devices? Why does the CRTC tell us how much Canadian content must be shown in Canadian television? Why do Canadians watch so much American television? Will pay TV and satellites enhance the Americanization of our media? Can Canada, as a political entity, survive the onslaught of the American media? These are a few questions which come to mind with regard to our media. The course would explore the origins of our media, some current problems and possible trends for the future. The course will look primarily at newspapers, radio and television and their role in the development of the Canadian body politic. The student should gain a deeper understanding of the media, of their impact on society and of their relationship to government and the individual. Course topics include: introduction - history of media in Canada; print media (Kent Commission); electronic media - public; electronic media - private; cultural penetration - Canadian content, pay TV; satellites and other gadgets. Readings will be available on the first night at a cost of \$3.00.

*Prof. W.H.N. Hull, Politics*

6 Tuesdays

7-9 pm

October 5 - November 9, 1982

Fee: \$35

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## GEN-16-107

### Micro-computers in business

The course will explore what micro-computers are, and what they are capable of. Will they help you to cut costs? To improve customer service? To make better decisions? Micro-computer selection and implementation will then be considered. Course objectives are: to describe the micro; identify its capabilities; examine business packages; compare the op-

# General interest courses

tions; plan for a micro implementation.

*M.S. Cohen*

6 Wednesdays

7-10 pm

October 6 - November 10, 1982

## GEN-16-108

### BASIC Computer Programming for Beginners — I

This course will introduce students to micro computer programming in the BASIC language, with applications on the Wang 2200, Apple II+, Commodore PET and TRS-80. Course topics will include: running a micro computer, input and output, numeric and string variables, branching and loops, and singly subscripted variables. The course is designed for persons with little or no knowledge of computing or computer languages and will proceed at a pace that allows for numerous worked examples and explanations of concepts. Those completing the course will be able to write and read simple programs. Required reading: *Instant BASIC*, Edition II, J. R. Brown, dilithium Press, (1982).

Enrolment will be limited.

*R. Hiatt, T. Jones, H. Gordon, Chemistry*

6 Tuesdays or 6 Thursdays

(The course will be offered twice. Please indicate preferred night when registering)

7-9 pm

September 28 - November 2, 1982

(Tuesday)

September 30 - November 4, 1982

(Thursday)

Fee: \$35

## GEN-16-109

### BASIC Computer Programming for Beginners — II

The course is a continuation of Programming for Beginners — I. Topics include doubly subscripted variables, functions, subroutines, formatted output, magnetic tape and disk files. Those persons completing both parts I and II will have a thorough knowledge of the BASIC language, its techniques and applications. Required reading: *Instant BASIC*, Edition II, J. R. Brown, dilithium Press, (1982). Prerequisite: BASIC Computer Programming for Beginners — I, or permission of the instructor.

Enrolment will be limited.

*R. Hiatt, T. Jones, H. Gordon, Chemistry*

6 Tuesdays or 6 Thursdays

(The course will be offered twice. Please in-

dicate preferred night when registering.)

7-9 pm

November 9 - December 14, 1982

(Tuesday)

November 11 - December 16, 1982

(Thursday)

Fee: \$35

## GEN-16-110

### Instant BASIC Computer Programming

The course will give a concise overview of the BASIC language from Input/Output to disk files. It is designed for those who already have some experience with microcomputers or familiarity with computer languages, or who simply desire a rapid-paced, thorough introduction. Digressions from the main topic of the BASIC language into micro computer architecture, binary-hexadecimal number systems, BASIC tokens, etc., depending on student interest, may be expected. Required reading: *Introduction to BASIC*, a Structured Approach, C.R. Siragusa, Prindle, Weber and Schmidt, (1980).

Enrolment will be limited

*R. Hiatt, T. Jones, H. Gordon, Chemistry*

6 Wednesdays

7-9 pm

October 6 - November 10, 1982

Fee: \$35

## GEN 18-106

### Family Fun and Fitness

The alternative to 'dropping the kid off at the hockey rink'. A comprehensive recreational programme for the whole family to play together. An opportunity for families to take part in gym, pool and racquet activities. Parents attendance at all sessions is required. Programme includes three special educational seminars for parents only, plus two hours of family activity per week for eight weeks.

#### Session A (Fall)

\*Parents Educational Seminars

Starts: Thursday, October 7th, October 14th, October 21st 7:00-10:00 pm

\*Recreational Activity Sessions (Gym, Pool, Courts) (Parents & Children)

Starts: Sunday, October 17th, for eight Sundays (10:00 am - 12:00 noon)

#### Session B (Winter)

\*Parents Educational Seminars

Starts: Thursday, January 6th, January 13th, January 20th 7:00-10:00 pm

\*Recreational Activity Sessions (Gym, Pool, Courts) (Parents & Children)

Starts: Sunday, January 8th for eight Sundays (10:00 am - 12:00 noon)

*Dr. David J. Staniford, Recreation and Leisure Studies*

*Vera Wilcox*

Fee: \$65.00 per family, per session.

## GEN-19-102

### Geology of the Canadian Shield

A general description of the geology of the Canadian Shield using lectures and slides. Included will be economic activities, Radio-active dating and nuclear power. Topics include: introduction to the Shield; origin of the Shield; the Grenville province; the Sudbury Basin; meteorite impact craters; iron formations; gold and silver mining; uranium and nuclear power; glaciation and the Shield; the future of the Shield. Students will gain an overview of the Shield — size, topography, origins — and man's activities, particularly in the area of mining. The course would appeal to the general public, Niagara Peninsula Geologic Society and elementary and secondary school teachers.

*B. Murphy*

10 Thursdays

7-9 pm

October 7 - December 9, 1982

Fee: \$35

## GEN-19-105

### An Introduction to Nuclear Energy

This course will look at the production of electrical energy by nuclear reactors. It will trace the scientific discoveries which lead to the first sustained nuclear reaction in 1942. A layman's view of the Candu, Pressurized Light Water and Breeder reactors will be presented. There will be a discussion of the pro's and con's of nuclear energy. The course will end with a Saturday visit to the nuclear power station at Pickering. Course topics will include: the theory of the atom; the search to find the atom; the atom comes of age - sustained nuclear reaction; the Candu reactor; the Pressurized Light Water and Breeder reactors; the pro's and con's of nuclear energy; visit to a nuclear power plant. This course is intended to introduce the topic of nuclear energy to the layman. It will avoid the mathematics, chemistry and physics of nuclear physics and present the topics in a general fashion using everyday language

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# General interest courses

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wherever possible. All notes will be provided by the instructor.

*B. Murphy*

8 Wednesdays plus a Saturday field trip

7-9 pm

September 29 - November 17, 1982 (field trip - November 20)

Fee: \$35

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## GEN-21-102

### Decisions for the Great Lakes

Great Lakes Tomorrow, a bi-national citizens' group, in cooperation with the office of Part Time Programs and the Institute of Urban and Environmental Studies, offers a special course on the Great Lakes.

The Decisions program addresses the inter-related needs of three target groups and of the Great Lakes Ecosystem. These include the public, those agencies with some mission or responsibility in the Lakes, and the academic institutions of the Basin with their expertise and educational capacity.

The objectives of the program are to create an informed constituency for the Lakes — a group of citizens who will be oriented to the complex interrelationships of the natural system, the applicable technology, and the institutional factors in the current approaches to management of the Great Lakes system.

This is a new and unique program. Brock will be one of the first few of 24 universities on both sides of the Great Lakes to offer this program.

### Course Details

**Faculty:** The Institute of Urban and Environmental Studies will coordinate the program. Faculty will be drawn from Brock University, local and regional governmental and non-governmental organizations, and from a pool of international experts cooperating with the program. A variety of educational techniques will be used.

**When and Where:** The course will be held on Wednesdays, 6 to 10 p.m., at the main campus. The course will begin on September 22 and run 10 consecutive weeks (except Oct. 13) to finish on December 1st.

**Fees:** None. The course is being funded by various governmental and non-governmental organizations. Course materials will also be provided free of charge. But there is a selection process and the course will be limited to 30 participants.

**How to Apply:** Application forms may be obtained from the Part Time Programs office or

the Institute of Urban and Environmental Studies office. The deadline for applications is September 8th, 1982. The main criterion for selection is to assemble a student body that represents as wide a range of backgrounds as possible.

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## GEN-22-103

### Vitality and Aging

What are the facts about aging? How can zest for living be maintained or enhanced in ourselves or in those with whom we work? Topics will cover the changes involved in normal aging and the challenge of energizing interests throughout the life span.

Here are some of the basic issues: To what extent do mental abilities hold? Can they be improved? What do we need to know about changes in bodily systems to work effectively with older adults? What are some of the stresses of aging? How can we best cope with them? How can physical fitness be maintained or enhanced? How can confusion be prevented in the very vulnerable elderly? What are the rights and responsibilities of families? How important are interpersonal relations and how can we deal with loss?

**Vitality and Aging** will be presented from a variety of perspectives — physiological, psychological and social. Enrolment will be limited to 35 to permit exchange of ideas in the second hour.

*Lorne Adams, Ed.D.*

*Mary Buzzell, M.Sc.N.*

*Norah Carlsen, Ph.D.*

*Mary Gibbon, M.Sc.N.*

*John Lavery, Ph.D.*

*Betty Oka, M.Sc.N.*

6 Wednesdays

7-9 pm

October 6 - November 10, 1982

Fee: \$35

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## GEN-31-101

### Introduction to Electronic Music

This course will emphasize the basic skills involved in producing electronic music, and provide a broad overview of its development since 1945. Students will work both independently and in group projects on the following topics: initial sound recording, frequency modulation, tape editing, tape loops, location modulation and sound-on-sound (multi-channel mixing), musique concrete (collage). The course will prove valuable to teachers, musicians interested in basic record-

ing techniques and to artists involved in multi-media, sound sculpture, film and theatre arts. The final project will be an electronic composition and/or a multi-media work involving the discipline from which the student comes e.g. dance, film, theatre, instrumental or vocal music and visual arts (including photography, i.e. slide presentation with electronic sound). In addition to course fee, each student should be prepared to spend \$20-\$25 on tape and reels.

Required reading: *"The New World of Electronic Music"*, Walter Sear, Alfred Publishing Company, 1972, approximately \$5.00 Canadian.

*B. Roberts*

8 Mondays

7-9 pm

October 4 - November 29, 1982

Fee: \$50

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## GEN-32-100

### Small business seminar

How to get money for your business. How to plan your business, and how to manage it for profit. This is a down-to-earth program dealing with the fundamentals of marketing, accounting, finance and management. Manufacturing, retailing and service operations will be discussed. The small business operator will learn sound guidelines for effective, profitable management. If you are in business at present, the course will teach you the necessary tools of small business management — how to, and how not to, establish effective research and controls. Planning, forecasting and financing assignments will focus on your own business using available textbooks. The goal of the program is success for your enterprise. The sessions will deal with: the company plan; research and selling the product; effective sales and merchandising; setting up the operation and its controls; accounting made easy; the role of finance; where to go for financing; and successful management.

*R. Forsyth*

6 Saturdays

9 am - 1 pm

October 2 - November 13, 1982

Fee: \$95

Coffee will be provided; registration will be limited.

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## GEN-32-101

### Personal Income Tax Preparation

This course will provide some insights into



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# General interest courses

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the Canadian Income Tax Act and how to prepare personal income tax returns. Course topics will include income, interest and capital gains, deductions from income, calculation of taxes payable.

R. Bassett, C.A.

6 Mondays

7-10 pm

October 4 - November 15, 1982

Fee: \$35

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## GEN-92-102

### It's your money

This is a self-defense course for consumers, designed to help people make the most of their money when they go into the marketplace. The areas of concentration will include: getting and staying out of debt; how to borrow money; consumer credit and the law; basic investments; how to shop for less; how to complain successfully; how to choose life insurance; how to buy a car. The course will appeal to all adults.

Recommended reading: *Personal Finance for Canadians*, Kathleen Brown, Prentice Hall Canada, Inc.

Mr. W. Wright

8 Mondays

7:30 - 9:30 pm

October 4 - November 29, 1982

Fee: \$35

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## GEN-92-104

### Wine appreciation

An introduction to wine appreciation. This is a consumer workshop on wine, combining lectures and discussions with wine-tasting and appreciation. Requirements are an interest in, and an open mind to, all wines. There will be an emphasis on finding the best buy for the dollar. Topics will include:

*History:* Wine history and classifications, and the traditions of the regions where they originate. Ancient and modern wine-making processes. Basic types and purposes of wines; unique aspects of major wine classifications; and terminologies and glossary of terms for wines.

*Geography:* The major wine districts of the world. Climate, soil, grape types, production, and viticulture. Unique aspects of the principal wine regions. The important wines of Australia, Canada (Ontario and British Columbia), France, Germany, Hungary and Yugoslavia, Italy, Portugal and Spain, and the United States (California) will be ex-

amined — in view of similarities and differences, the socio-economic history of each region, and a profile of the people who dedicate their lives to wine-making.

*Storage, selection, and serving:* Storing, using, selecting, and serving the appropriate wine. The art and science of wine-tasting; comparative tastings. A taste survey of a different country will be made each week.

*Rudi Mueller (master vintner for a local winery) Mr. Mueller has extensive experience in European and Canadian wineries.*

8 Mondays

7-9 pm, lecture

9-10 pm, tasting session

October 4 - November 29, 1982

Fee: \$75 (includes weekly wine tasting sessions) A winery tour will be held,

December 6, 1982

Registration will be limited.

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## GEN-92-105

### Speed reading

The pressures of work in the business and academic worlds demand that people read quickly and efficiently. To meet the needs of people with widely-varying backgrounds, the course is tailored to suit individual needs. The course begins with an assessment of the student's personal reading habits and a careful measurement of reading rate and comprehension. Heavy use is made of modern equipment (controlled reader, tachistoscope, and reading laboratories). Students are placed in small groups for individual instruction and exercises: comprehension is tested after each exercise, and a special feature of the course is its demand that comprehension keep pace with the increase in the reading speed. A small but vital requirement is that students devote ten minutes each day practising their new speed-reading skills. After completing the course, students can expect to increase their reading skills by a factor of at least two or three — an improvement almost always accompanied by increased comprehension and retention. This training is clearly of special value to students or teachers in the humanities and the social sciences.

Mrs. R. Reed and Mrs. E. Mayer

9 weeks, Monday and Wednesday

5-7 pm

September 13 - November 15, 1982

Fee: \$45

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## GEN-92-110

### Understanding the stock market

After inflation and taxes, bonds and debentures in many cases are not providing a safe haven for investment capital. This course will attempt to aid the average individual and advanced investor to invest wisely in the stock and bond markets in Canada and the United States. Areas to be explored will include: how a corporation works, the basic principles; principles of sound investment and sources of information; basic tax considerations; a conservative approach to options; increasing your yield (cash flow) on investments; capital gains through options, both buying and writing; timing investment purchases and sales.

*Mr. R. Elliott (a stockbroker and manager of an investment firm in St. Catharines)*

6 Tuesdays or 6 Thursdays

(This course will be offered twice. Please indicate preferred night when registering.)

7-9 pm

October 5 - November 9, 1982

(Tuesday)

October 7 - November 11, 1982

(Thursday)

Fee: \$35

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## GEN-92-112

### The art of winemaking: a practical workshop

The intensive two-day workshop will explore the art and science of home winemaking. Topics will include the chemistry of wine-making; yeast and bacteria in winemaking; grape selection; bottling and corking techniques; aging and storage; traditional techniques for red and white winemaking; production of wine from grapes and from concentrates — the pros and cons. The course will have special appeal for serious home winemakers and for those contemplating a first attempt at this exciting and tasteful hobby.

*P. Bosc, master vintner (Mr. Bosc has extensive experience in the wine industries of Algeria and France, and is presently owner/manager of a small winery in St. David's, Ontario).*

Saturday, August 28 and Sunday, August 29, 1982

9 am - 4 pm each day

Fee: \$50

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## GEN-92-115

### Let's get you published!

An advanced workshop for people who are

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# General interest courses

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serious about writing fiction, nonfiction, poetry, scripts, and drama. Its avowed intention is to make you think about the following questions. How good a writer are you now? How much better could you become? What else do you need to know about your craft and the market for your particular kind of writing? Where is this knowledge and how do you obtain it? What *does* an editor do? How can you become your own best editor (as you must to achieve optimum success)? How *do* you get your due share of it? The answers to these questions are known by the professional writer, who also understands the reasons for asking them. Moreover, your success as a writer is directly related to your recognition of how and why this degree of awareness enables the professional writer to get published all the time. In the workshop sessions, there will therefore be considerable emphasis on the realities of the publishing business and on your need to undertake a course of self-learning in your chosen area of writing. The content and level of the workshop is not suitable for the beginning writer, but you will find it invaluable if you have a specific project (e.g. a novel or a play) or a decided kind of writing (e.g. human-interest stories or greeting-card verse) in mind. Equally, you will derive a real benefit if you have already been published and want the miracle to be performed more frequently and more easily.

*Mr. D.S. Pollock (a local freelance writer)*

8 Fridays

7-10 pm

October 1 - November 26

(excluding October 8)

plus Saturday

9 am - 4 pm

October 30

Fee: \$60

Registration will be limited

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## GEN-92-128

### "QUALITY CIRCLES": The Application of Japanese Management Techniques to Canadian Industry

The "Quality Circle" approach to management is given a large measure of credit for Japan's industrial success. This program will help participants to understand the reasons for this success and work out strategies for adapting this system to the Canadian environment. The Quality Circle technique creates worker involvement by using foremen or other senior workers as team leaders to study problems of quality, safety, producti-

vity or morale, and implement solutions. Topics covered include:

- History of the Quality Circle movement in Japan
- The Quality Circle system today
- Quality Circles to develop leadership and improve morale
- Quality Circles in North America: successes and failures
- How to implement the techniques of Quality Circles.

Sessions will encourage involvement from participants.

*Norm Horofker, P.Eng.*

4 Thursdays, 7 pm to 10 pm

October 7 - 28, 1982

Fee: \$50

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## GEN-92-129

### Advanced Option Strategies

A brief review of basic option concepts (covered writing, buying and selling puts and calls), followed by more advanced strategies: bull and bear spreads, ratio writing and spreading, straddles and combinations, variable hedging, calendar spreads, diagonals, butterflies, synthetic stock, etc. Analysis will include margin requirements, transaction costs, graphs, building an options portfolio, and alternatives for a rising, falling, and flat market. New products, including options in bonds, currencies, golds, and stock indexes will be presented. Applicants should be familiar with the options market and basic option terminology.

*Elaine Herzog (a stockbroker and investment club counsellor in St. Catharines)*

6 Mondays

7-9 pm

October 4 - November 15, 1982

Fee: \$35

Registration will be limited.

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## GEN-92-133

### Women and Sexuality

Do you see children as sexual beings? What alternatives are available for women during pregnancy and childbirth? What are some of the sexual changes affecting women as they grow older? This course will deal with psychological and sexual issues which women face during their lives. Information and food for thought will be presented through lectures, reading material and discussion periods. You will be provided with knowledge which may broaden your ideas, assist you in personal decision-making and in coping with sexual

issues and changes more effectively. Through exploration of relevant topics there will be opportunities for attitude change or the solidification of already held positions on value-laden issues. Students will also be exposed to differing attitudes and will hopefully learn to accept other viewpoints and perhaps learn new alternatives in problem solving. Course topics will include: children as sexual beings — issues and concerns; adolescent sexuality; women choosing lifestyles; pregnancy/childbirth; sexual dysfunction — the hidden topic; growing older — who am I?; women — the marketable object; conclusion — our changing world.

*Ms. W. Whitfield*

8 Mondays

7-10 pm

October 4 - November 29, 1982

Fee: \$35

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## GEN-92-134

### Word Processing — Making It Work

Introducing word processing is one step but making it work is another. Sound working procedures and design can make all the difference. This course will help you develop the most advantageous system design for your particular field. Training on word processing equipment is **not** part of this course. Course objectives will be to set up guidelines that will enhance the work place for all concerned, and broaden the understanding of word processing by all those who will benefit from its utilization. Course topics include: introduction and discussion on the concept; document analysis; controls and reports; procedures manuals; authors, secretaries; personnel training; facilities (design); job description; motivation. Probable audience: managers, supervisors, lead or key operators, personnel involved in the operation of a word processing facility.

*Ms. Joyce Lucey*

8 Tuesdays

7-9 pm

October 5 - November 23, 1982

Fee: \$35

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## GEN-92-135

### Word Processing — How To Begin

Today word processing is an important part of the office. The proper utilization of this technology is essential. This course will deal with the many phases and directions of word processing. We will investigate the various

# General interest courses

aspects of word processing and develop a greater understanding of the concept. Training on word processing equipment is **not** part of this course. Only an overview on the variety of equipment in the market place will be discussed. Course objectives will be to present in a step by step method the phases of word processing in an office and to develop a growth pattern for this process that will increase the organization's benefits of this new technology. Course topics will include: introduction, overview and exchange of views; change: announcement, communication, purpose, resistance; orientation: management, secretarial, general; feasibility study; proposal; selling top management; designing a system. Probable audience: managers, supervisors, office personnel involved in the design and/or implementation of word processing. Any industry and professional area that generates written documents.

*Ms. Joyce Lucey*

8 Thursdays

7-9 pm

October 7 - November 25, 1982

Fee: \$35

## GEN-92-136

### The Evolution of Man I

What is the nature of the human animal? How did he get to have his present physical attributes. Discussions will lead from the theory of evolution and trace the rise of man through the various evolutionary stages to the arrival of the Primate order. Then will follow comparisons of man and ape; and discussions of the fossil remains and reconstructed lifestyle of Australopithecus, Homo erectus, Homo neanderthal, and early Sapiens. Finally, we will discuss modern racial differences. The course will allow the student to consider where man has come from. Such knowledge leads to unending introspection as to why we act and think the way we do. Course topics include: the theory of evolution, the question of religion; up from the fishes — major evolutionary breakthroughs; monkeys and apes; from ape to early man; Australopithecus; Homo erectus, and a digression on Pliocene; Neanderthal man, and the rise of Homo sapiens; racial diversity; the rise of culture — from caves to kingdoms. Required reading: *People of the Lake*, R.E. Leakey, Avon Publishers, \$2.75.

*Dr. A. J. Goss*

8 Mondays

7-10 pm

October 4 - November 29, 1982

Fee: \$35

## GEN-92-137

### The Evolution of Man II

Why is man the shape he is? Answers can be found through this course which deals with the various physical characteristics of mankind. Each part of the human body has been moulded by evolutionary forces which have produced a unique and highly intelligent animal. Having discussed the evolution of the more obvious human physical properties we will turn our attention to the whole being and consider reproduction, social structure, intelligence, communications and ethics. The course follows on from Part I, but those who have missed it will have no problem if they take part II by itself. The course will allow the student to consider how man came to be what he is. Such knowledge can lead to insight as to how and why humans function the way they do. Course topics include: concepts of evolution - further discussion; primate radiation - why are the primates number one?; evolution of the body - upright posture; arms and legs - locomotion and manipulation; the evolution of human feeding - "Quest for Fire!"; the evolution of the human head, brain structure; reproduction, sexual behaviour, rise of the family; the evolution of culture, intelligence, communication, ethic. Required reading: *People of the Lake*, R.E. Leakey, Avon Publishers, \$2.75.

*Dr. A. J. Goss*

8 Mondays

7-10 pm

January 10 - February 28, 1982

Fee: \$35

## GEN-92-138

### International Folk Dancing

We will all be doing many dances, representing a great variety of styles (courtly, boisterous, sedate, or strenuous) and nationalities (Israeli, English, Greek, American, Yugoslavian, Scottish, Swedish, Russian). No experience necessary; dances will be taught. Men, women, or couples will be welcome; many of the dances do not require partners. Come, dance, and have fun. Some of the specific dances we will do are: Milanovo Kolo (and other Kolos), Gie Gordons, Hineh ma Tov, Little Man in a Fix, Fado Blanquita, Black Nag, Zeven sprong, Mayim, Troika, Korobushka, Sir Roger de Coverley (also

known as Virginia Reel).

*Prof. J. Mayberry, Mathematics*

10 Thursdays

8-10 pm

September 23 - December 2, 1982

Fee: \$35

## Planning your retirement

The Regional Niagara Pre-Retirement Council, in co-operation with the office of Part Time Programs, offers a course in retirement planning.

If you are thinking of retiring, now is the time to start thinking of the many changes that will take place in your lifestyle. We recommend that you begin planning at least five years before retiring. Our resource people, all well-qualified, provide information and advice on such matters as:

- what leisure activities you should consider
- federal and provincial benefits
- handling your money (budgeting, etc.)
- legal matters, including consumer protection
- where to live (type of locality and home, etc.)
- taking care of your health
- the deeper aspects of living

We recommend that both wife and husband attend.

### Course details

*When:* Separate courses will be held on Tuesday or Thursday evenings for nine sessions, from 7:45 - 9:45. The fall courses begin Tuesday, September 21 and Thursday, September 23, 1982. The winter 1983 courses begin Tuesday, March 1 and Thursday, March 3, 1983.

*Where:* The course is held at Brock University (main campus), St. Catharines.

*Fees:* \$20 single, \$25 couple. Please make cheques payable to the Regional Niagara Pre-Retirement Council.

*How to apply:* You may apply in person or by letter to the Part Time Programs office, Thistle 263, Brock University, St. Catharines, Ontario L2S 3A1. We require your name (and spouse's name), address (including postal code), telephone number, and preferred evening for the course.

*For more information:* Contact the Part Time Programs office, (416) 688-5550, ext. 249/250.

# Brock Aquatic Centre Swimming Programs 1982-1983

## Program Offerings:

### Instructional:

#### Specialized Activity - (Advanced Skills)

*Diving* - Canadian Amateur Diving Association

*Synchronized Swimming* - Canadian Amateur Synchronized Swimming Association

*Water Polo* - Canadian Amateur Water Polo Association

*Competitive Swimming* - Swim Canada  
- Canadian Amateur Swimming Association

*Scuba* - PADI Certification

### Learn to Swim

*Brock's Superheroes Learn To Swim Program*  
- Aquakids, Wonderfish, Kingfish, Bioncfish, Superfish

*Water Safety* - Red Cross Levels 4-8

*Lifesaving* - Royal Lifesaving Society Levels I-III  
(Non swimmers will be able to use a controlled water depth feature appropriate to their needs)

### Skill Improvement & Certification

*Instructor Certification* - Red Cross Leader  
(Prerequisite - Bronze Medallion R.L.S.S.)

*Lifesaving Certification* - Royal Lifesaving Society, Senior A.R., Bronze, Bronze Cross, Award of Merit, Distinction, etc.

*Recertification* - as required - to be announced.

*Stroke Improvement* - Directed to the individual needs.

### Adult Fitness:

The Aquatic Centre offers an adult (18 & over) 80 Km. Swim to be done from September 1982 to August 1983. The weekly requirement for completion is about 1.5 Km. per week or .2 Km. per day.

In terms of swimming pool equivalents this is:

- 4 lengths of 50 m.
- 8 lengths of 25 m.
- 6 lengths of 35 m.
- 13 lengths of 15 m.
- 11 widths of 20 yds.

Fitness activities should be performed at least every second day which would be about 400 m. per visit.

- recording cards and advice provided (free)
- Certificates and awards at end of season

For more intense adult training, competitive

skills and competitions can be provided. "Schedule Set and Posted Weekly, in Physical Education Complex".

### Program Details and Registration

Instruction is offered weekdays or weekends.

Most programs include 10 lessons  
(Pre-empted classes may not be re-scheduled)  
— No Refunds.

Programs offered twice weekly continue for 5 weeks.

Programs offered once weekly continue for 10 weeks.

Weekday sessions are available 10 times per year.

Weekend sessions are available 3 times per year.

Most activities are provided for **Adults** and **Children**.

### Fall Registration (For all programs)

Wednesday, September 22, 1982 6-8:00 p.m.  
Brock University, Physical Education Centre.

### Instructors

Only fully accredited instructors teach programs in the Aquatic Centre.

### Recreational Family Activity

Scheduled daily on weekdays and most weekends, also on holidays and professional development days.

Monday - Thursday — 9:00-10:00 pm

Friday — 7:00-10:00 pm

Saturday & Sunday — 2:00-5:00 pm

Look for new and exciting equipment this season.

### Membership & General Admission

	General Admission	Membership
Adults (18 & over)	\$1.50	\$ 50.00
Youth (13-17)	\$ .75	\$ 35.00
		(17 & under)

Children (12 & under) .50

Family \$110.00

Changes this year —

*Adult Swim* - only for 18 & over

*Whirlpool* - only for 18 & over

Whirlpool operates on pool hours and admission.

### Rental

Portions or all of the Brock Aquatic Centre are available for rental at very reasonable rates.

Bookings may be made by telephoning the Aquatic Centre.

### Regular Adult Swim Schedule (Lengths Only)

Monday - Friday 7:30-9:00 am  
12:00-1:00 pm  
5:00-5:30 pm

Saturday & Sunday 1:00-2:00 pm  
5:00-6:00 pm

For further information please call 688-5550, ext 387.



# Certificate Programs

## Certificate programs

For persons wishing to acquire specialized knowledge without proceeding immediately to a degree, the University has established certificate programs in administrative studies, computer science and information processing and urban and environmental studies. Since the programs are composed of degree credit courses, admission requirements are the same as for degree programs. Details appear in the relevant department entries of the calendar.

*Certificates requiring application to the professional association; no application is made through Brock University*

Program of the Association of Certified General Accountants	(CGA)
Program of the Canadian Institute of Management	(CIM)
Society of Management Accountants	(RIA)

Information brochures for these programs may be obtained from the office of Part Time Programs or from the Registrar's office.

## Professional certificate courses

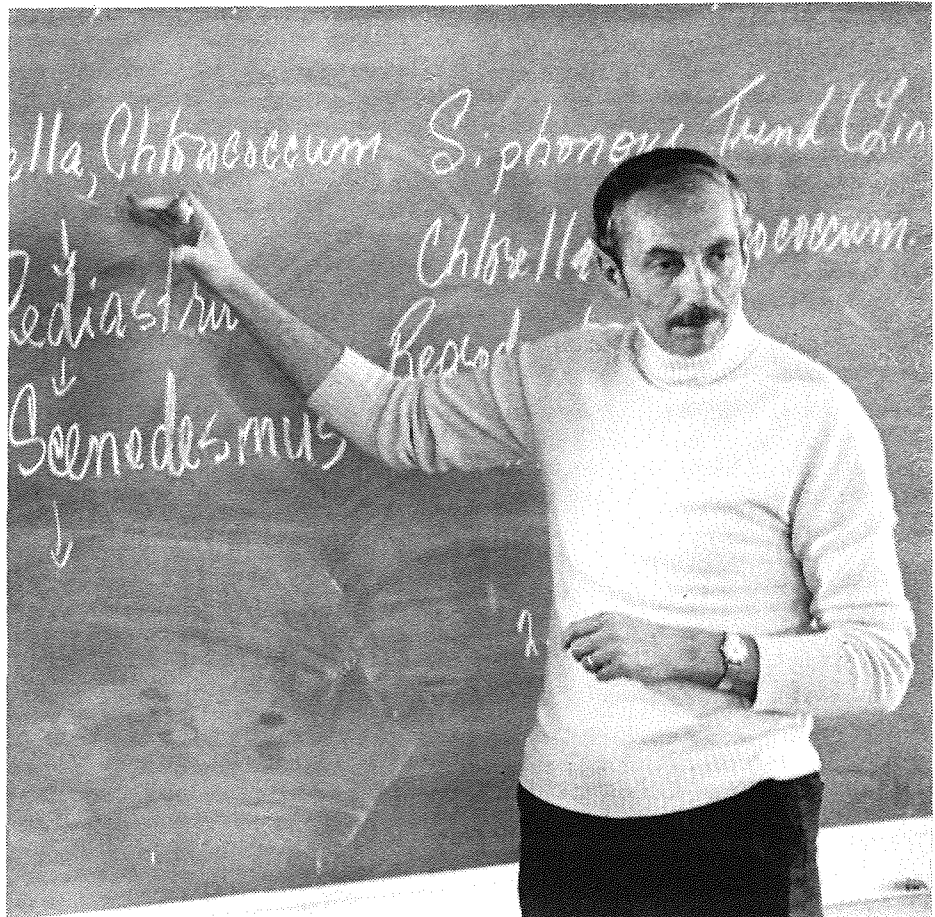
Brock University offers a number of certificate courses in co-operation with professional associations whose designation is granted at the successful completion of the program.

For some of the programs, students will register for regular degree credit courses at the University. Credits obtained are then applied to the certificate or designation awarded by the professional association. Students intending to register in the following programs must apply for admission to both Brock University and to the association concerned.

*Certificates requiring application to Brock University and to the professional association*

Appraisal Institute of Canada	
Canadian Resident Appraiser	(CRA)
Accredited Appraiser of the Canadian Institute	(AACI)
Institute of Chartered Accountants of Ontario	(CA)
Fellows Program of the Canadian Credit Union Institute	(FCCUI)
Institute of Certified Administrative Managers of Ontario	(CAM)
Fellows Program of the Institute of Canadian Bankers	(FICB)
Fellows Program of the Insurance Institute of Canada	(FIIC)
Fellows Program of the Real Estate Institute	(FRI)
Fellows Program of the Trust Companies of Canada	(FTCI)

Information brochures for these programs may be obtained from the office of Part Time Programs or from the Registrar's office.





# Degree credit course offerings

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## Part time studies at Brock

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This section introduces you to the degree credit courses offered to students during our winter evening session. Through this session, the University provides persons who are unable to attend university full time during the day with an opportunity to resume or continue their studies. But we also wish to point out to those who are able to attend during the regular day session that you may do so on either a part time or full time basis. The regular session opens up a whole new spectrum of courses which it is not possible to offer during the evening session.

Faculty teach all of our courses and can't possibly repeat every single subject. So, if you cannot identify something of interest from our ample part time evening offerings, please write to us for a complete catalogue of courses. You will find everything from anatomy to urban studies, and many other interesting courses in between — such as chemistry and the environment, classical archaeology, creative writing, human sexuality, the political culture of French Canada, Canadian nationalism, music today, drugs and behavior, issues in Canadian society, and many, many more.

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## Admissions

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Applicants for part time study must complete an *Application for admission to part time studies* form which is available in this brochure. All applicants are responsible for ensuring that the required supporting documents, such as records of high school marks and previous university or college work, are filed. Those applicants not meeting the normal admission requirements may wish to consider applying under one of the following categories.

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## Mature students

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Applicants who have been out of school for at least two years may be admitted as mature students. Such applicants will be considered by the Senate committee on admissions on an individual basis and may be required to

attend an interview or write an aptitude and achievement test.

Teachers holding a permanent Ontario teaching certificate and nurses holding an Ontario RN will normally be admitted to year 1 programs as mature students.

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## Special admission to undergraduate studies

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A special student is one not proceeding towards a Brock University degree. Typically, special students are:

- (a) persons already holding a degree who wish to take courses for interest or upgrading purposes;
- (b) persons who wish to take courses in a particular area without obtaining either a degree or a certificate; or
- (c) persons from another university taking courses on a letter of permission.

Special students who successfully complete a minimum of two full courses, or the equivalent, may apply for admission as degree or certificate candidates. Such applications will be considered by the Senate committee on admissions on an individual basis, and degree or certificate credit may be given for work done. Permission of the Dean is necessary for a special student to take more than 1 course in each session.

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## Senior citizens (age 60)

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Senior citizens 60 years of age and older may be permitted to enrol in a course without payment of the regular tuition fee.

Applications for admission should be made in the normal manner.

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## Registration dates

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Registration for all new and returning students will take place in the Physical Education Centre according to the following schedule:

**Date:** Wednesday, September 8, 1982 (for courses offered Monday and Wednesday.)

	<i>Surname</i>	
Times:	T - Z	3:30 - 4:00 pm
	Q - S	4:00 - 4:30 pm
	M - P	4:30 - 5:00 pm
	H - L	5:00 - 5:30 pm
	A - G	5:30 - 6:00 pm

**Date:** Thursday, September 9, 1982 (for courses offered Tuesday and Thursday.)

	<i>Surname</i>	
Times:	N - Z	4:30 - 5:00 pm
	H - M	5:00 - 5:30 pm
	A - G	5:30 - 6:00 pm

### *Note:*

Students registering for two courses this session must register on Wednesday, September 8, 1982.

### *Special Note:*

Courses will be selected at time of Registration. Please bring your Notice of Admission with you.

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## Classes begin

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Winter day and evening classes begin Wednesday, September 8.

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## Fees

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Fee per full course, \$221  
Fee per half course, \$110.50  
Late registration fee, \$20  
(chargeable to any student who registers after the official registration day.)

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## For further information

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Contact the Registrar's office,  
Brock University,  
St. Catharines, Ontario L2S 3A1.  
(416) 688-5550, ext. 434.

# 1982/83 Winter evening course offerings

## Legend

tba	instructor to be announced
tbs	to be scheduled; see department
hc	half course
a	half course, first half of session: September 8 to December 7
b	half course, second half of session: January 3 to April 8
full course	offered during entire session: September 8 to April 8

December 8 to 23

Mid-year (progress) exams for courses numbered 100-199. Final exams for fall term half courses.

April 9 to April 25, 1983.  
Final exams

### Note:

Courses which have seminars, tutorials and / or labs may start at 6 pm. Seminars etc. may be assigned at registration or during the first lecture.

The above dates are subject to change. Please check the academic timetable published before each session.

## Administrative Studies

### ADMI 191a

**Introduction to business**  
(formerly part of ADMI 190)

This course introduces the student to the basic concepts of organization and the constraints imposed by government. It covers the historical background in the development of management thought followed by the forms and functions of the enterprise, including the role of accounting, finance, marketing, and production departments.

(Not open to students with ADMI 190 credit.)

Lectures, seminar, 3 hours per week.

*Edds / Wed 7-10*

### ADMI 192b

**Introduction to management**  
(formerly part of ADMI 190)

The role of the manager within the organization is examined, with particular emphasis on the basic functions of planning, organizing, staffing, directing, and controlling.

Prerequisite: ADMI 191hc or permission of instructor.

(Not open to students with ADMI 190 credit.)

Lectures, seminar, 3 hours per week.

*Edds / Wed 7-10*

### ADMI 194b

**Computing for Administrative studies**  
(also listed as COSC 194hc)

Designed for students in administrative studies. Introduction to computer organization; problem analysis and flowcharting; the elements of a programming language; simple file manipulation; a survey of computer packages as management decision-making tools.

(Not open to computer science majors or combined major students.)

Prerequisite: MATH 198hc or an equivalent mathematics credit.

Lectures, 3 hours per week.

*Jenkins / Tues 7-10*

### ADMI 240a

**Commercial law**

(formerly part of ADMI 310 and POLI 230)

An introduction to the basic legal considerations for the business organization.

Lectures, 3 hours per week.

*Peltomaa / Wed 7-10*

### ADMI 253a

**Introduction to financial accounting**  
(formerly ADMI 251hc)

An introduction to the fundamental concepts of financial accounting as related to the balance sheet, income statement, and statement of changes in financial position. A study of the problems of income determination, asset and equity measurements, and analysis of financial statements.

(Not open to students with ADMI 250 or 251hc credit.)

Lectures, tutorial, 3 hours per week.

*Siegel / Mon 7-10*

### ADMI 253b

**Introduction to financial accounting**  
(formerly ADMI 251hc)

An introduction to the fundamental concepts of financial accounting as related to the balance sheet, income statement, and statement of changes in financial position. A study of the problems of income determination, asset and equity measurements, and analysis of financial statements.

(Not open to students with ADMI 250 or 251hc credit.)

Lectures, tutorial, 3 hours per week.

*Young / Mon 7-10*

### ADMI 254b

**Introduction to management accounting**  
(formerly ADMI 252hc)

An introduction to accounting for managerial decision-making, including relevant data, various cost accounting systems, and break-even analysis.

Prerequisite: ADMI 251hc or 253hc.

(Not open to students with ADMI 250 or 252hc credit.)

Lectures, tutorial, 3 hours per week.

*Siegel / Mon 7-10*

### ADMI 322a

**Basic marketing**

(formerly part of ADMI 321)

This course is an introduction to the marketing process. It deals with the role of marketing in society, environmental factors affecting the marketing process, consumer behavior, and the unique features of the Canadian market.

Lectures, seminar, 3 hours per week.

*Broderick / Tues 7-10, or*

*TBA / Mon 6:30-9:30*

### ADMI 324b

**Marketing management**

An introduction to management of the marketing process. Each of the elements of the marketing mix is examined in detail along with their inter-relationships.

Lectures, seminars, and case discussions, 3 hours per week.

Prerequisite: ADMI 322hc

*Broderick / Tues 7-10*

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# 1982/83 Winter evening course offerings

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**ADMI 330a****Production management**  
(formerly ADMI 261hc)

An introduction to the production process. Emphasis is placed on manufacturing as a system; the man-machine function in attaining productivity will be examined.

(Not open to students with ADMI 261hc credit.)

Lectures, seminars, case discussions, 3 hours per week.

*Lauzon / Mon 7-10*

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**ADMI 330b****Production management**  
(formerly ADMI 261hc)

An introduction to the production process. Emphasis is placed on manufacturing as a system; the man-machine function in attaining productivity will be examined.

(Not open to students with ADMI 261hc credit.)

Lectures, seminars, case discussions, 3 hours per week.

*Lauzon / Mon 7-10, or*

*Montgomery / Mon 7-10*

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**ADMI 331b****Operations management**

This course is an extension of production management. It provides a detailed examination of the production control process. Emphasis is given to systems analysis in production planning and scheduling, inventory control, and quality control techniques using linear planning and simulation.

Prerequisite: ADMI 330hc.

Lectures, seminar, 3 hours per week.

*Perdue / Mon 7-10*

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**ADMI 341a****Organizational behavior**  
(also offered as SOCI 344hc)

Basic concepts, theory and research on the behavior of individuals and groups in organization settings, including: individual motivation, inter-personal relations, leadership, group process and dynamics, and other topics at the 'micro' level of analysis.

(Not open to students with SOCI 296 credit.)

Lectures, 3 hours per week.

*TBA / Wed 7-10, or*

*TBA / Thurs 6-9*

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**ADMI 342b****Organizational theory**  
(also offered as SOCI 343hc)

Basic concepts, theory, research and methodology from the social and behavioral sciences relevant to the study of formal organizations. Classical organization and management theory, early human relations and systems approaches, organizational goals, power, planned organizational change.

(Not open to students with SOCI 296 credit.)  
Lectures, 3 hours per week.

*TBA / Wed 7-10*

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**ADMI 353a****Introduction to external auditing**  
(formerly part of ADMI 352)

Basic concepts of external auditing (public accounting) embracing the following topics: the role of public accounting; professional and legal responsibilities of auditors; audit evidence; audit program planning; sampling for audit evidence; diagnostic analysis; principles of internal control; evaluation of internal control (and audit reports).

Prerequisite: ADMI 250 or ADMI 251hc/252hc or ADMI 253hc/254hc and ADMI 350 or 356hc/357hc which may be taken concurrently.

(Not open to students who have taken ADMI 352.)

Lectures, 3 hours per week.

*TBA / Tues 7-10*

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**ADMI 354b****Advanced auditing**  
(formerly part of ADMI 352)

This course builds on ADMI 353hc. It introduces the student to additional audit topics, re-examines some in greater detail, and provides opportunities to grapple with audit problems in workshop sessions. The topics dealt with will include the following: professional and legal responsibilities; auditing in an environment of EDP; audit testing; statistical sampling; audit strategy; development of audit programs; working paper files; audit review; and reservations in the auditor's report.

Prerequisite: ADMI 353hc.

(Not open to students with ADMI 352 credit.)

Lectures, 3 hours per week.

*Edds / Tues 7-10*

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**ADMI 355b****Advanced management accounting**

An examination of the uses of accounting data for management needs, including cost determination, planning and control, cost allocation, and measuring divisional performance.

Prerequisite: ADMI 254hc.

(Not open to students with ADMI 351hc credit.)

Lectures, tutorial, 3 hours per week.

*Hanna / Tues 7-10*

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**ADMI 356a****Intermediate financial accounting I**  
(formerly part of ADMI 350)

This is the first semester of intermediate financial accounting. A study of the objectives of financial statements, including the theoretical measurement of income as well as the accounting measurement and disclosure of assets.

Prerequisite: ADMI 250 or 251/252hc or 253/254hc.

(Not open to students with credit in ADMI 350.)

Lectures, 3 hours per week.

*Felton / Tues 7-10*

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**ADMI 357b****Intermediate financial accounting II**  
(formerly part of ADMI 350)

An intermediate financial accounting course which considers measurement and reporting problems relating to liabilities and equities and an examination of alternative accounting models.

Prerequisite: ADMI 356hc.

(Not open to students with credit in ADMI 350.)

Lectures, 3 hours per week.

*Felton / Tues 7-10*

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**ADMI 404a****Investment analysis**

The financial instruments frequently traded in organized securities markets are studied in terms of their risk and return implications for the issuer and owners. Valuation models for these securities are critically reviewed. Alternate investment strategies are explored in terms of appropriate portfolios of securities for various individual and institutional investors.

Prerequisites: ADMI 392hc/393hc or 391.

*TBA / Thurs 7-10*

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# 1982/83 Winter evening course offerings

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## **ADMI 406b**

### **Financial theory**

The theoretical basis for the financial decisions of individuals and business firms is explored. Of particular interest are those decisions involving the valuation of fixed assets and marketable securities. These and related decisions are reviewed under conditions of certainty and uncertainty and in the context of perfect and imperfect capital markets.

Prerequisites: ADMI 391 or ADMI 392hc/393hc.

Lectures, seminar, 3 hours per week.

*TBA / Tues 7-10*

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## **ADMI 425a**

### **Marketing policy**

(formerly part of ADMI 424)

An advanced course in marketing emphasizing the executive role in developing and applying market strategies. Computer simulation is employed to acquaint the student with problem-solving and managerial decision-making in applying marketing strategies.

Prerequisites: ADMI 322hc/324hc or ADMI 220 or 321.

(Not open to students with ADMI 424 credit.)

Lectures, seminar, 3 hours per week.

*Comerford / Thurs 7-10*

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## **ADMI 425b**

### **Marketing policy**

(formerly part of ADMI 424)

An advanced course in marketing emphasizing the executive role in developing and applying market strategies. Computer simulation is employed to acquaint the student with problem-solving and managerial decision-making in applying marketing strategies.

Prerequisites: ADMI 322hc/324hc or ADMI 220 or 321.

(Not open to students with ADMI 424 credit.)

Lectures, seminar, 3 hours per week.

*Comerford / Thurs 7-10*

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## **ADMI 426b**

### **Sales management**

This course deals with the selling function and management of the sales force. Topics covered include sales as a profession, the manager's role, sales force selection and training, supervision and motivation, territorial

management and monitoring sales performance.

Prerequisite: ADMI 322hc/324hc or ADMI 220 or ADMI 321.

(Not open to students with ADMI 424 credit.)

Lectures, seminar, 3 hours per week.

*Blawatt / Tues 6:30-9:30*

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## **ADMI 427a**

### **Marketing and society**

(formerly ADMI 323hc)

This course deals with current issues in marketing by exploring the role marketing plays in a changing society. Topics include the state of the consumer movement, marketing ethics and deceptive practices, truth and deception in advertising, government regulation, consumer protection, information and product safety. New developments in society and their implications for future marketing strategy will be examined and discussed.

Prerequisites: ADMI 322hc/324hc or ADMI 220 or 321.

(Not open to students with ADMI 323hc credit.)

Seminars, case discussions, 3 hours per week.

*Rotenberg / Mon 6:30-9:30*

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## **ADMI 440b**

### **Administrative law**

The focus of this course is on judicial control of administrative action, with particular reference to the review of administrative decisions affecting business and other organizations made by federal provincial public authorities in Canada.

Lectures, seminar, and cases, 3 hours per week.

*Peltomma / Wed 7-10*

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## **ADMI 451a**

### **Canadian Income Tax**

Theories of taxation. Corporate and personal income tax computation, assessment, payment, and appeals; taxation of non-residents; tax conventions; tax provisions applying to special circumstances and causes; tax planning.

Prerequisites: ADMI 350 or ADMI 356hc/357hc.

Lectures, 3 hours per week.

*Wray / Mon 7-10*

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## **ADMI 452b**

### **Advanced accounting problems**

Inter-corporate investment; preparation of consolidated financial statements, foreign currency, translation, estate and trust accounting, bankruptcy, liquidation receivership and municipal accounting.

Prerequisites: ADMI 350 or ADMI 356hc/357hc.

Lectures, 3 hours per week.

*Engert / Mon 7-10*

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## **ADMI 453b**

### **Advanced accounting theory**

A seminar course designed to aid students in understanding the objectives and uses of financial accounting information, and the environment in which financial accounting operates. Topics include: accounting theory, construction, objectives of external reporting, setting accounting standards, GAAP, current value accounting, the implications of efficient market research for accounting, the impact of accounting regulations and the positive theory of accounting.

Prerequisite: ADMI 350 or 356hc/357hc/ADMI 391 or ADMI 392hc/393hc.

Seminars, 3 hours per week.

*Felton / Thurs 7-10*

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## **ADMI 462a**

### **Personnel administration**

Manpower recruitment, selection and training, wage and salary administration, and the design and administration of benefit programs.

Prerequisite: SOCI 296 or ADMI 340hc/341hc (SOCI 343hc/344hc).

Lectures, seminar, 3 hours per week.

*Levanoni / Tues 6-9*

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## **ADMI 463b**

### **Labor relations**

Labor organizations in Canada, labor legislation, union structures, contract negotiation, mediation, arbitration and administration of collective agreements.

Prerequisite: SOCI 296 or ADMI 340hc/341hc (SOCI 343hc/344hc), ADMI 462hc.

(students may take ADMI 462hc concurrently.)

Lectures, seminar, 3 hours per week.

*Liddell / Tues 6-9*

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# 1982/83 Winter evening course offerings

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## **ADMI 470a**

**The development of trade unionism**  
(also offered as SOCI 351hc)

The emergence, growth and maturity of trade unions in modern industrial societies. Why strikes occur, ethnicity and industrial conflict, militant trade unions and alienation are among the topics to be covered.

Lectures, seminar, 3 hours per week.

*Glenday / Tues 7-10*

## **ADMI 471b**

**International industrial relations**  
(also offered as SOCI 352hc)

Role of multinational corporations, international organizations (European Economic Community, EEC; Organization of Petroleum Exporting Countries, OPEC) and levels of government in affecting major decisions on conditions of work, economic growth, collective bargaining and related matters in industrial relations.

Lectures, seminar, 3 hours per week.

*Glenday / Tues 7-10*

## **ADMI 472a**

**Legal issues in labor relations**

Federal and provincial statutes governing certification, negotiation, conciliation and arbitration, unfair labor/management practices, jurisdiction and control of trade labor unions and other employee collectives. Common law effects on management action. Canadian and Ontario Labor Relation Boards' practices.

Lectures, seminar, 3 hours per week.

*Werner / Thurs 7-10*

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## **Asian Studies**

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### **ASIA 102**

**Introduction to the civilizations of Asia**  
(formerly EXST 102)

Basic aspects of the civilizations of India and China. The course is designed as a core for the student who might later be interested in pursuing more advanced work in Asian Studies, as well as for the student with only a general interest in oriental societies.

Lectures, 3 hours per week.

*Sinha, et al / Thurs 7-10*

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## **Biological Sciences**

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### **BIOL 125**

**Biology, man and environment**

A course directed towards non-science students dealing with those aspects of biology which relate directly to man and which represent contemporary issues of human concern. Topics will be selected from areas such as human anatomy and physiology, nutrition, diseases, drugs, sexuality, heredity, evolution, ecology and environmental stresses. High school biology is not a prerequisite for this course.

Lectures, 2 hours per week; seminars, labs, alternating weeks, 2 hours per week.

*Ursino, Morris / Thurs 7-9*

*plus lab Tues 6-8 or 8-10*

### **BIOL 293b**

**Plant biology: form, function, and diversity**  
(formerly part of BIOL 294)

This course will emphasize the organization of the plants giving special attention to the anatomy and morphology of vascular plants and to the major evolutionary trends in the plant kingdom. Physiological aspects of photosynthesis, translocation and flowering will also be studied.

Prerequisite: BIOL 190 or permission of instructor.

Lectures, 3 hours per week; labs/seminars, 3 hours per week.

(Not open to students with BIOL 294 credit.)

*Ursino / Mon 7-10*

*plus lab Wed 7-10*

### **BIOL 298a**

**Principles of microbiology**  
(formerly BIOL 340hc)

Lecture and laboratory course dealing with the principles of micro-biology. Structure and biology of various kinds of microorganisms will be studied.

Prerequisite: BIOL 190.

Lectures, 2 hours per week; lab, 3 hours alternate weeks.

(Not open to students with BIOL 340hc credit.)

*Manocha / Tues 7-9*

*plus lab Thurs 7-10*

### **BIOL 323a**

**Histology of vertebrate organ systems**  
(formerly part of BIOL 324)

The microanatomy and functional morphology of organs and organ systems: integumentary, circulatory, digestive, excretory, reproductive, respiratory, endocrine and nervous.

Prerequisite: BIOL 291hc.

Lectures, 2 hours per week; lab, 3 hours per week.

(Not open to students with BIOL 324 credit.)

*Lewis / Wed 7-10*

*plus lab Mon 7-10*

### **BIOL 460b**

**Advanced seminar in ecology**

A seminar course emphasizing analysis of fundamental concepts of population and community ecology.

Prerequisites: one of BIOL 360hc, 361hc, 364hc, 365hc.

Lectures, seminar, 2 hours per week.

*Morris / Wed 7-9*

### **BIOL 460b**

**Advanced seminar in ecology**

A seminar course emphasizing analysis of fundamental concepts of population and community ecology.

Prerequisites: one of BIOL 360hc, 361hc, 364hc, 365hc.

Lectures, seminar, 2 hours per week.

*Morris / Wed 7-9*

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## **Chemistry**

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### **CHEM 290a**

**Principles of organic chemistry**

An introduction to the principles and techniques of organic chemistry; correlation of reactions and physical properties of organic compounds with structural and energetic concepts. Laboratory work emphasizes qualitative organic analysis.

Prerequisite: CHEM 193 or CHEM 185 with a grade of C or better.

Lectures, 3 hours per week; lab, 3 hours per week.

*Hiatt / Tues 7-10*



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# 1982/83 Winter evening course offerings

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## **CHEM 291b**

### **Principles of bio-organic chemistry**

Organic chemistry of selected groups of natural products; their biological origin and significance. Laboratory work includes organic synthesis and characterization and structure determination of natural products.

Prerequisite: CHEM 290hc.

Lectures, 3 hours per week; lab, 3 hours per week.

*Holland / Tues 7-10*

*plus lab Thurs 7-10*

## **CHEM 330a**

### **Main group inorganic chemistry**

Systematic inorganic chemistry of the non-transition elements with emphasis on structure, bonding and reactivity in inorganic and organometallic compounds; inorganic reaction mechanisms. Selected experiments in inorganic synthesis; use of modern physical methods for determination of composition, structure and bonding.

Prerequisites: CHEM 292hc and CHEM 293hc.

CHEM 210 and CHEM 290hc should be taken concurrently if these courses have not been taken previously.

Lectures, 3 hours per week; lab, 3 hours per week.

*Hartman / Mon 7-10*

*plus lab Wed 7-10*

## **CHEM 331b**

### **Transition metal chemistry**

A continuation of CHEM 330hc, emphasizing the transition elements; introduction to ligand field theory.

Prerequisite: CHEM 330hc.

Lectures, 3 hours per week; lab, 3 hours per week.

*Hartman / Mon 7-10*

*plus lab Wed 7-10*

## **CHEM 490**

### **Research project**

Experimental or theoretical research to be carried out under the supervision of a member of the staff.

Prerequisite: honors standing or permission of the chairman.

*Faculty / Department*

## **CHEM 491**

### **Thesis**

This thesis will incorporate the results of the research and will form the basis for a seminar to be presented by the student.

Prerequisite: honors standing or permission of the chairman.

*Faculty / Department*

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## **Child Studies**

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## **CHST 110a**

### **Nutrition, health and child behavior**

Designed for teachers and others who work in applied settings, this course will focus on the basic health care of children and the interaction of health and behavior. Emphasis will be on preventative care, early detection of health risks and effective utilization of community resources. Topics include applied nutrition, safety, first aid, health habits and childhood diseases. Lectures, seminar workshop, 3 hours per week.

*TBA / Wed 6-9*

## **CHST 210**

### **Child psychology**

(also offered as PSYC 210)

A survey of research and theory on cognitive and social aspects of normal development.

Prerequisite: PSYC 190.

Lectures, seminar, 3 hours per week.

*Jordan / Tues 7-10*

## **CHST 295**

### **Integrating the special child**

(formerly offered as CHST 380hc/381hc)

This course for professional educators focuses on curriculum modification and assessment tools. Topics will include assessment and intervention for children with various handicaps through the use of a variety of devices, integration techniques, task analysis, behavior management and use of community resources.

Prerequisite: teaching certificate, community college certificate, community college certificate in relevant field or CHST 300 (PSYC 300).

Lectures, lab, seminar, 3 hours per week; practicum required.

(Not open to students with credit in CHST 380hc/381hc; not eligible for education certificate credit.)

*TBA / Wed 6-9*

## **CHST 311**

### **Issues in developmental psychology** (also offered as PSYC 311)

Examination of some current issues in developmental psychology, of recent experimental research on them, and theoretical approaches involved. The student will study human development from an integrated approach, including biological as well as psychological viewpoints.

Prerequisite: CHST 210 (PSYC 210) or three psychology courses beyond PSYC 190.

Lectures, seminar, 3 hours per week.

*Segalowitz / Tues 7-10*

## **CHST 340**

### **Observational research**

A laboratory and lecture course in which students will focus on the gathering and evaluating of data using unobtrusive measures and observational training. Emphasis will be placed on developing the students' capacity to evaluate hypotheses through participation in observational projects in naturalistic settings.

*Krasnor / Mon 6-9*

## **CHST 350**

### **Focus on early childhood education** (offered as EDUC 350)

This course will involve the study of several models of teaching derived from theories of learning and child development related to specific areas of curriculum. The models will be evaluated in relation to developmental theory and practicality in the classroom.

Prerequisites: CHST 210 (PSYC 210), EDUC 301.

Lectures, seminar, classroom observation, 4 hours per week.

Laboratories as required.

*Richards / Tues 6-9*

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## **Classics**

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## **CLAS 191b**

### **Greek civilization**

(formerly part of CLAS 190)

A survey of the literature, art, thought and political evolution of ancient Greece, based on masterworks of classical literature. Slides are used to illustrate classical history and archaeology.

(not open to students with credit in CLAS 190).

*Soady / Wed 7-10*

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# 1982/83 Winter evening course offerings

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## CLAS 192a

### Roman civilization

(formerly part of CLAS 190)

A survey of the literature, art, thought and political evolution of ancient Rome, based on masterworks of classical literature. Slides are used to illustrate classical history and archaeology.

(Not open to students with credit in CLAS 190).

*Soady / Wed 7-10*

## CLAS 195a

### Greek myths and religions

(formerly part of CLAS 196)

The structure and function of major Greek myths with ancient and modern interpretation. Aspects of Greek religion with emphasis on means of communicating with the gods.

(Not open to students with credit in CLAS 196.)

*Booth / Mon 6-9*

## CLAS 197b

### Roman religions and myths

(formerly part of CLAS 196)

History of the development of Roman religions from the foundation of Rome until the triumph of Christianity in the Roman Empire with attention to the formulation of a Roman mythology and eastern influences upon the traditional religious outlook.

*Booth / Mon 6-9*

## CLAS 293a

### Field archaeology

An introduction to basic archaeological theory, field techniques and procedures, and to the study of archaeological materials.

Prerequisite: CLAS 190 or 196.

*Rupp / Thurs 7-10*

## CLAS 297b

### Classical archaeology

(also offered as VISA 297hc)

A survey of Classical archaeology, and a detailed study of selected Greek and Roman sites.

Prerequisite: CLAS 190 or 196.

3 hours per week.

*Rupp / Thurs 7-10*

## CLAS 302a

### Greek tragedy

(formerly part of CLAS 294)

The origins of tragedy and its development as entertainment and literature through the Classical period. Works studied may include: Aeschylus, *The Oresteia*; Sophocles, *Oedipus Rex* and *Oedipus at Colonus*; and Euripides, *Medea* and *Hippolytus*.

Prerequisites: CLAS 190, 196 or DRAM 193.

(Not open to students with credit in CLAS 294.)

Three hours per week.

*Casler / Wed 7-10*

## CLAS 303b

### Greek and Roman comedy and melodrama

(formerly part of CLAS 294)

Ancient comedy is illustrated from the works of Aristophanes, Menander, Plautus and Terence. The tragi-comic melodramas of Euripides are studies in comparison with the violent, tragic melodramas of Seneca.

Prerequisites: CLAS 190, 196 or DRAM 193.

(Not open to students with credit in CLAS 294.)

Three hours per week.

*Casler / Wed 7-10*

## CLAS 391a

### Greek and Roman dialogue and dialectic

The philosophical dialogue in ancient life and literature. Popular origins; the sophists; schools and teachers; moral, social and scientific issues; the closet-dialogue. Study of Plato, Cicero, Plutarch, Lucian.

Prerequisite: a Classics course numbered 290 or above, or permission of the department.

*Soady / Tues 7-10*

## CLAS 392b

### Greek and Roman satire and the novel

The satiric genre and the birth of the novel; the history of abuse from Homer to Apuleius. Incantation; invective; wonder tales; romantic novels. With special reference to models for mediaeval and Renaissance satirists and to the emergence of the picaresque hero.

Prerequisite: a Classics course numbered 290 or above, or permission of the department.

3 hours per week.

*Soady / Tues 7-10*

## CLAS 397a

### Greek sanctuaries

(also offered as VISA 397hc)

A study of the great Panhellenic shrines (Delphi, Olympia, Epidauros, and others): topography, architecture, art, with emphasis on the interplay between tradition and changing needs and values.

Prerequisite: a Classics course numbered 290 or above, or permission of the department.

3 hours per week.

*Rupp / Mon 7-10*

## CLAS 398b

### The art and archaeology of Cyprus

(also offered as VISA 398hc)

A survey of the cultural history of Cyprus from the Neolithic period through the early Byzantine period, based on the archaeological record; and of the role of Cyprus in the civilization of the eastern Mediterranean.

Prerequisite: a Classics course numbered 290 or above, or permission of the department.

3 hours per week.

*Rupp / Mon 7-10*

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## Computer Science

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## COSC 150a

### Computers in society

Concepts of computer system organization. Problem solving methods. Introduction to programming. Description of a number of applications drawn from areas such as business, medicine, language translation, music, graphic art, science. Discussion of the social, economic, and moral implications. This course may not be taken after any 200-level computer science half course.

Lectures, 3 hours per week.

*Wojcik / Thurs 7-10*

## COSC 193b

### FORTAN programming and SPSS

Introduction to computers; problem analysis and flowcharting. The FORTRAN programming language. Statistical packages with special reference to the SPSS package.

Prerequisite: grade 11 mathematics. A Computer Science major or combined major student will not receive credit for this course.

(Not open to students with COSC 100, 190 or MATH 199hc credit.)

Lectures, 3 hours per week.

*Laywine / Thurs 7-10*

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# 1982/83 Winter evening course offerings

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## COSC 194a

### Computing for administrative studies

(also offered as ADMI 194hc)

Designed for students in administrative studies. Introduction to computer organization; problem analysis and flowcharting; the elements of a programming language; simple file manipulation; a survey of computer packages as management decision-making tools.

Prerequisite: MATH 198hc or equivalent mathematics credit.

This is a service for students in administrative studies. Students wishing to pursue further studies in computer science must take COSC 150hc/195hc instead of COSC 194hc. A computer science major or combined major student will not receive credit for this course.

Lectures, 3 hours per week.

*Hiatt / Mon & Wed 4-5:30*

## COSC 194b

### Computing for administrative studies

(also offered as ADMI 194hc)

Designed for students in administrative studies. Introduction to computer organization; problem analysis and flowcharting; the elements of a programming language; simple file manipulation; a survey of computer packages as management decision-making tools.

Prerequisite: MATH 198hc or equivalent mathematics credit. This is a service course for students in administrative studies. Students wishing to pursue further studies in computer science must take COSC 150hc/195hc instead of COSC 194hc. A computer science major or combined major student will not receive credit for this course.

Lectures, 3 hours per week.

*Jenkyns / Thurs 7-10*

## COSC 195b

### Structured programming

Techniques of developing well-structured programs using top-down design. Programs, drawn from a variety of fields, will be implemented. The programming language currently used is PASCAL.

Prerequisite: COSC 150hc or permission of the instructor.

(Not open to students with COSC 192hc credit.)

Lectures, 3 hours per week.

*McCarthy / Thurs 7-10*

## COSC 202a

### Computer organization

Historical development of computer systems. Programming concepts and their influence on the computer structure. Central processing unit. Microprogrammed control. The arithmetic unit. Main memory unit. Input/Output organization and interrupts. Peripheral units. This is a non-programming course.

Prerequisite: COSC 195hc or permission of the instructor.

(Not open to students with COSC 221hc credit.)

Lectures, 3 hours per week.

*Thomas / Thurs 7-10*

## COSC 212b

### Assembly language programming

Overview of the hardware organization and general operation of a specific computer system. Assembly language programming.

Prerequisite: COSC 195hc or COSC 197 and COSC 202hc.

Lectures, tutorials, 3 hours per week.

*Thomas / Thurs 7-10*

## COSC 260b

### Introductory operations research

(also offered as MATH 260hc)

Designed for students in administrative studies. Project management: CPM, PERT. Linear programming: formulation, graphical solution, simplex method, duality, examples. Special LP problems: transportation, assignment. The two player zero-sum game, and the minimax theorem. Elements of decision theory: utility, Bayesian models, branch-and-bound methods. Inventory models: EOQ and generalizations. Queueing theory.

Prerequisites: MATH 197hc and 198hc or equivalents.

Lectures, 4 hours per week; tutorial, 1 hour per week.

*Headley / Tues 7-10*

*plus tutorial Thurs 7-9*

## COSC 295b

### Comparative languages

A study of the nature of programming languages with emphasis on semantics (meaning). Languages of different types are compared and contrasted. Topics include: inter-procedure communication, recursion, block structure, parallel programming and data types and how these are realized in different

languages.

Prerequisite: COSC 230hc.

Lectures, 3 hours per week.

*Hughes / Tues 7-10*

## COSC 380a

### Interactive computer graphics

Line and Raster graphics; display processors; display files; transformation of objects; interactive techniques; graphic languages; introduction to curved surfaces and the hidden line problem.

Prerequisite: COSC 230hc.

Lectures, 3 hours per week.

*Thomas / Wed 7-10*

## COSC 395a

### Language processors

Introduction to syntax analysis and language translation including interpreters, macroprocessors and compilers. Topics include: syntax formalization, symbol table manipulation, code generation and optimization. Students will develop a language translator.

Prerequisite: COSC 212hc, COSC 295hc.

Lectures, 3 hours per week.

*Hughes / Tues 7-10*

## COSC 491b

### Special topics in computer science

Selected topics in computer science to be offered at the discretion of the department. The topics selected will be made known at least two weeks prior to registration.

Prerequisite: Permission of the instructor and chairman of the department.

Lectures, seminars, 3 hours per week.

*TBA / Dept.*

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## Dutch

### DUTC 100

#### Introductory Dutch

Learning of basic skills, conversational patterns, reading and writing ability.

Language lab, 3 hours per week.

*Michielsen / Tues 7-10*

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# 1982/83 Winter evening course offerings

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## Economics

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### ECON 191b

#### Principles of microeconomics

(formerly part of ECON 190)

An introduction to the study of microeconomics. Topics include the nature of economics, the price system, demand, production and cost, markets and pricing, factor pricing and the distribution of income. (Not open to students with a credit in ECON 190.)

Lectures, seminar, 3 hours per week.

*Dore / Wed 7-10*

### ECON 192a

#### Principles of macroeconomics

(formerly part of ECON 190)

An introduction to the study of macroeconomics. Topics include the nature of economics, the determination and control of national income, money, banking and monetary policy, macroeconomic policy and the balance of payments.

Prerequisite: ECON 191hc desirable.

(Not open to students with a credit in ECON 190.)

Lectures, seminar, 3 hours per week.

*Dore / Wed 7-10*

### ECON 201

#### Microeconomics

Microeconomic analysis, theory of consumer choice, theory of the firm, market structures, general equilibrium analysis and welfare economics.

Prerequisite: ECON 191 hc, 192hc. (Not open to students with ECON 203, 251hc or 252hc credit.)

Lectures, 3 hours per week.

*TBA / Mon 7-10*

### ECON 251a

#### Intermediate micro theory

A continuation of ECON 191hc/192hc with more detailed analysis of micro theory.

Prerequisite: ECON 191hc/192hc.

(Not open to students with ECON 201, 202, or 203 credit.)

Lectures, seminar, 4 hours per week.

(See note after ECON 252hc.)

*TBA / Wed 7-10*

### ECON 252b

#### Intermediate macro theory

A continuation of ECON 191hc/192hc, with more detailed analysis of macro theory.

Prerequisite: ECON 191hc/192hc.

(Not open to students with ECON 201, 202, or 203 credit.)

Lectures, seminar, 4 hours per week.

*Note:*

ECON 251hc and 252hc are primarily for students in administrative studies. They are not open to students who are majoring in economics, who require ECON 201 and 202.

*TBA / Wed 7-10*

### ECON 290b

#### Economic statistics

Hypothesis testing; estimation, simple and multiple regression analysis; correlation; multicollinearity; heteroskedasticity; autocorrelation; errors in variables.

Prerequisite: MATH 192, 198hc, or equivalent; ECON 191hc/192hc.

(Not open to mathematics majors, or students who have taken or are taking MATH 292hc or 296.)

Lectures, 3 hours per week.

*TBA / Tues 7-10*

### ECON 295

#### Canadian economic policy

(formerly ECON 206)

A study of Canadian economic and business problems and policies. Specific topics will vary from year to year and may include stabilization policies, competition policies, tax policies, foreign trade and exchange policies, etc.

Prerequisite: ECON 191hc/192hc.

Lectures, 3 hours per week.

(Not open to students with ECON 206 credit.)

*LeSage / Wed 7-10*

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## Education

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### EDUC 301

#### The process of teaching

An introduction to the study of teacher behavior through a systematic exploration of the assumptions, educational purposes, teaching strategies, curricular designs and materials, and the social and psychological theory underlying selected models of

teaching. The course will involve the student in a critical examination of the alternate patterns upon which teachers may model their behavior. Students will be required to familiarize themselves with current educational concepts and recent literature in the field. Lectures, seminar, 3 hours per week.

*Richards / Wed 6-9*

### EDUC 350

#### Focus on early childhood education

(also offered as CHST 350)

This course will involve the study of several models of teaching derived from theories of learning and child development related to specific areas of curriculum. The models will be evaluated in relation to developmental theory and practicality in the classroom.

Recommended prerequisites: PSYC 210, EDUC 301.

Lectures, seminar, classroom observation, 4 hours per week.

Laboratories as required.

*Richards / Tues 6-9*

### EDUC 495

#### Advanced project in educational studies

A course designed chiefly for students enrolled in the Bachelor of Education program Route III. Students will complete a major assignment in one of several areas, such as curriculum development, experimental education, innovations in education, or the social and philosophical foundations of education.

Prerequisite: approval of the department of Graduate and Undergraduate Studies in Education.

*Bennett / Thurs 6-9*

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## English

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### ENGL 191

#### Introduction to literature

The practice of literary criticism in the study of major authors and works, from the 14th century to the 20th. Authors include Chaucer, Shakespeare, Milton, Swift, Pope, Wordsworth, Conrad.

Lectures, seminar, 3 hours per week.

*Slade / Mon 7-10*

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# 1982/83 Winter evening course offerings

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## ENGL 210

### Young people's literature (formerly EXST 195)

The critical study of types of fiction such as fairy tale, fantasy, adventure story, contemporary problem novel, fable, and animal story written for children and adolescents. Some time will also be spent on poetry, including traditional ballads, nonsense verse, and poems specifically written for children. Lectures, seminar, 3 hours per week. (Not open to students who have taken EXST 195 or 211.)

*Green / Thurs 7-10*

## ENGL 240

### Restoration and eighteenth century

Literature of the age of wit and satire (Dryden, Pope, Swift) and of the age of sensibility (Gray, Collins, Cowper, Burns); includes drama, poetry, prose. Lectures, seminar, 3 hours per week.

*Lye / Tues 7-10*

## ENGL 305

### Creative writing

Seminar course in the craft of creative writing, for selected students in any discipline; years 3 and 4 preferred. Limited enrolment. Application forms should be obtained from the English department well before registration. Seminar, 3 hours per week.

*Hornysky / Thurs 7-10*

## ENGL 440

### Major writers

1982-83 topic: Three major British writers in a time of transition (1870-1930): Hardy, Forster, Lawrence.

Seminar, 4 hours per week.

*Slade / Thurs 7-10*

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## Extrdepartmental Studies

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## EXST 290

### Human sexuality

Examination of the physiological and psychosocial aspects of human sexuality from an historical and cross-cultural perspective. Critical analysis and integration of the aforementioned knowledge in order to increase awareness of attitudes and values about sexuality.

Lectures, seminar, 3 hours per week.

*Jordan / Thurs 7-10*

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## Film Studies

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## FILM 394

### Introduction to video

Introduction to the theory and practice of video techniques. Students will be expected to work with actors and crew to produce a finished work of video art.

Prerequisites: 2 film courses and permission of the instructor.

Workshops, seminar, 3 hours per week; additional production time as required.

*TBA / Wed 7-10*

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## French

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## FREN 100

### Language (introductory)

Essentials of grammar, emphasis on idiomatic expression. Extensive practice in reading, writing and speaking. Language laboratory.

*Shayka / Thurs 7-10*

## FREN 216

### Introduction to the French-Canadian novel

Tendencies and underlying principles during the period extending from the late 19th century to the middle of the 20th century. Prescribed authors: Aubert de Gaspé, Hémon, Savard, Guevremont, Ringuet, Hébert, Carrier, Roy, Thériault, Langevin.

*McEwen / Tues 7-10*

## FREN 399

### Advanced translation

Translation of selected texts from English to French and French to English. Problems encountered when translating ideas from one language to another. Texts will be chosen from a wide variety of fields: literary, political, sociological, scientific.

Prerequisite: FREN 200 or permission of the instructor.

*Rosmarin / Wed 7-10*

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## Geography

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## GEOG 190

### Introduction to human geography

A practical problem-oriented approach to

current issues in economic, urban and cultural geography, e.g. locational problems in agriculture, industry and commerce; land use conflict in the rural-urban fringe; population and food supplies.

Lectures, 2 hours per week, plus labs and local field trips.

*McNeil, Meeker / Mon 7-10*

## GEOG 202b

### Principles of economic geography

An introduction to the principles and processes underlying the patterns of the agricultural, mineral resource, manufacturing and transportation systems and of regional economic disparity.

Prerequisite: GEOG 190, 192 or permission of the instructor.

Lectures, seminar, 3 hours per week.

*McNeil / Wed 7-10*

## GEOG 205a

### The earth's natural landscape

An introduction to the study of landforms and soils with an emphasis on basic principles and their application.

Prerequisite: GEOG 191, 192 or GEOG 193hc/194hc; or permission of the instructor.

Lectures, seminar/laboratory, 4 hours per week.

*Tinkler / Tues 7-10*

## GEOG 331b

### Geography of soils

Factors of soil formation; processes of profile development; the world's major soil types, their characteristics, distribution, and utilization; soils of Canada; Canadian and other soil classifications; soils and civilization; laboratory soil analysis.

Prerequisite: GEOG 204hc or 205hc or permission of the instructor.

Lectures, laboratory, 4 hours per week.

*Menzies / Wed 7-10*

## GEOG 344a

### Urban geography: spatial behavior

An examination of spatial patterns and social processes involved in the behavior of urban residents and public and private institutions in the city. Topics to be considered include shopping habits, journey-to-work, intra-urban migration, housing choice and residential segregation.

Prerequisite: GEOG 203hc or permission of the instructor.

*Gayler / Wed 7-10*



# 1982/83 Winter evening course offerings

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## Geological Sciences

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### GEOL 190

#### Introduction to geology

The principles of geological thought; geology as a science; geological processes; major earth structures; geological time; fossils and their significance; applications of geology for the benefit of man; the relationship of the earth and man's physical environment to human lifestyles. This course is intended for students in the humanities and social sciences who lack science and mathematics beyond grade 11; but students demonstrating exceptional performance in the course may, at the discretion of the department, proceed to year 2.

Lectures, 2 hours per week; labs and local field trips, 1 to 2 hours per week.

*Grant / Tues 7-11*

### GEOL 290b

#### Geology and society

Relationship of man's activities to his physical environment. Pollution, energy, hazards and catastrophes.

Prerequisite: GEOL 190 or 195.

This course cannot be used as a geology elective credit towards a degree in geological sciences. It is primarily designed for students who do not intend to major in geology but may be taken as a free elective by geology majors.

Lectures, seminars, field trips to be announced.

*Peach, Miryneck / Tues 7-11*

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## Germanic and Slavic Studies

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### GERM 100

#### Language (introductory)

Learning of basic skills, conversational patterns, reading ability. Emphasis is on the spoken language, language laboratory, films, records, tapes.

Language laboratory, 4 hours per week.

*MacRae / Mon 6-10*

### GERM 190

#### Language and literature (intermediate I)

Conversational and written language skills. Introduction to 20th century German

literature. Language laboratory, films, tapes, recordings.

Lectures and language laboratory, 4 hours per week.

*Owen / Mon 6-10*

### GERM 210

#### German literature from 1800 to the present

19th and 20th century drama, prose, and poetry.

Offered also in Freiburg, 1928-83.

Lectures, 3 hours per week.

*Schutz / Thurs 7-10*

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## History

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### HIST 190

#### Mediaeval Europe

An examination of the societies of Western Europe from the late Roman Empire, emphasizing the period 1050-1300. The agricultural base of society, the growth of strong regional economies, the nature and role of mediaeval Christianity, and the religious, economic and military advances of Christian states against 'heathens' and 'infidels' all will be analyzed.

Lectures, seminar, 3 hours per week.

*Arthur / Wed 6-9*

### HIST 290

#### Military history

A study of the evolution of military strategy, tactics, logistics and weapon systems from the Battle of Marathon to the Second World War.

Lectures, seminar, 3 hours per week.

*Goodspeed / Tues 7-10*

### HIST 294

#### Canada since 1840

A survey of the evolution of modern Canada since the Act of Union, emphasizing the interaction of British, American and French-Canadian factors.

Lectures, seminar 3 hours per week.

*TBA / Thurs 7-10*

### HIST 381a

#### Post Revolutionary North America above the Mason and Dixon Line

An exploration of the political, social and economic development of the northeastern states of the United States up to the 1840's. The development of the Canadas will also be explored and the states and the Canada will

be compared.

Lectures, seminar, 3 hours per week.

*Hanyan / Mon 7-10*

### HIST 382

#### Canadian American relations

Studies of major problems in the relationship between the United States and Canada in a selected time period. In 1982/83 the course will cover the years 1794-1817, from the boundary settlements of Jay's treaty through the War of 1812 to the Rush-Bagot agreement.

Lectures, seminar, 3 hours per week.

*Drake / Mon 7-10*

### HIST 390

#### Russia, 1801-1921

An examination of the last period of imperial Russian history with emphasis on socio-economic and intellectual developments, the appearance and evolution of Russian revolutionary and oppositional movements and the revolutions of 1917.

Lectures, seminar, 3 hours per week.

*Sanders / Wed 7-10*

### HIST 425a

#### Britain and the empire

An examination of a series of problems and themes in modern British domestic or imperial history. Consult with the department concerning available topics.

Seminar, 3 hours per week.

*Turner / Thurs 7-10*

### HIST 445a

#### European thought and culture

A study of a series of related topics in the cultural and intellectual history of Europe. Consult with the department.

Seminar, 3 hours per week.

*Wolff / Mon 7-10*

### HIST 490

#### Honors research paper

A major research paper, undertaken in consultation with members of the department. Projects should be proposed in the spring, if possible.

Prerequisite: permission of the department.

*Dept.*

# 1982/83 Winter evening course offerings

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## HIST 491a

### Selected historical problems I

A seminar, combined with individual research; the focus to vary from year to year according to the mutual interests of students and instructors. Students would consult the chairman of the department about possible topics well in advance of enrolment.

*Dept.*

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## HIST 492b

### Selected historical problems II

A seminar, combined with individual research; the focus to vary from year to year according to the mutual interests of students and instructors. Students should consult the chairman of the department about possible topics well in advance of enrolment.

*Dept.*

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## HIST 499

### Honors tutorial

Directed reading and discussion in the student's selected field in preparation for a comprehensive examination. Honors students who wish will be assisted in beginning their reading for History 499 in their third year. Prerequisite: permission of the department. Hours to be arranged.

*Dept.*

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## Hungarian

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## HNGR 100

### Elementary Hungarian

An audio visual approach to the Hungarian language and literature; stress will be placed on comprehension, reading, speaking and translating.

3 hours per week.

*Hollosi / Wed 7-10*

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## Italian

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## ITAL 100

### Language (introductory)

Acquisition of reading and oral skills, elementary grammar. Conversation and composition.

Language laboratory.

*Federici / Tues 6-10*

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## ITAL 190

### Language and literature

Composition, conversation. Discussion of essays from a cultural text. Selected modern texts. Language laboratory.

*DeLuca / Tues 7-10*

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## Linguistics

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## LING 190

### Introduction to linguistics

(also offered as SOCI 194)

Introduction to the study of language use. Concepts related to disciplines in the humanities, social sciences and education will be discussed. The course is not limited to any specific language; it deals with questions common to all tongues.

Open to students in any year of study.

*Richards / Thurs 7-10*

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## Mathematics

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## MATH 165

### Mathematics for computer science

Designed for students in computer science. This course primarily concerns the development, analysis and application of algorithms in basic discrete mathematics, elementary mathematical logic, mathematical induction, combinatorial analysis, discrete probability models, graphs and trees, recursion, limiting procedures and summation, and difference equations. It concludes with an introduction to the theory of automata.

Prerequisite: None.

Lectures, 4 hours per week.

*Muller / Mon, Wed 7-9*

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## MATH 193a

### Differential calculus for science students

Limits, continuity, differentiation; elementary functions; implicit differentiation, parametric differentiation, repeated differentiation, tangents and normals, maxima and minima, curve-tracing; differentials and simple theory of approximation and error; simple integration theory, and applications.

Prerequisite: two grade 13 mathematics credits (a third grade 13 credit is strongly recommended).

(Not open to students with MATH 100

credit.)

Lectures, 4 hours per week; tutorial, 1 hour per week.

*Headley / Mon 7-10 and Wed 7-9*

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## MATH 194b

### Integral calculus for science students

Systematic integration and definite integrals, with applications. Partial differentiation, simple extremal problems, Lagrange multipliers, simple first-order differential equations; series and Taylor series; introduction to determinants and matrices; complex numbers and DeMoivre's theorem; simple vector algebra; double and triple integrals, including applications and transformation of coordinates.

Prerequisite: MATH 193hc.

(Not open to students with MATH 100 credit.)

Lectures, 4 hours per week; tutorial, 1 hour per week.

*Bell / Mon 7-10 and Wed 7-9*

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## MATH 197b

### Differential and integral methods

Designed for students of administrative studies, biological sciences, economics, geological sciences, and urban and environmental studies. Elementary functions, particularly the power function, the logarithm, and the exponential; approximation to the area under a curve; the definite integral; the derivative; techniques of differentiation; maxima and minima; integration by substitution and by parts; use of integral tables; partial differentiation; simple differential equations; numerical methods.

Prerequisite: grade 12 mathematics or permission of the department.

Lectures, 4 hours per week; tutorial, 1 hour per week.

*Mayberry / Tues 7-10 and Thurs 7-9*

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## MATH 198a

### basic statistical methods

Designed for students of administrative studies, biological sciences, economics, geological sciences, physical education and urban and environmental studies. Descriptive statistics; probability; estimation; hypothesis testing; non-parametric tests; Normal,  $\chi^2$ ,  $t$  and  $F$  distributions, means and variance tests; regression and correlation.

Prerequisite: grade 12 mathematics or permission of the department.

(Not open to students with MATH 192 or 296

# 1982/83 Winter evening course offerings

credit.)

Lectures, 4 hours per week; tutorial, 1 hour per week.

*Vrbik / Tues 7-10 and Thurs 7-9*

## **MATH 260b**

**Introductory operations research**  
(also offered as COSC 260hc)

Designed for students in administrative studies. Project management: CPM, PERT. Linear programming: formulation, graphical solution, simplex method, duality, examples. Special LP problems: transportation, assignment. The two-player zero-sum game, and the minimax theorem. Elements of decision theory: utility, Bayesian models, branch-and-bound methods. Inventory models: EOQ and generalizations. Queuing theory.

Prerequisites: MATH 197hc/198hc or equivalents.

Lectures, 4 hours per week; tutorial, 1 hour per week.

*Headley / Tues 7-10 and Thurs 7-9*

## **Music**

### **MUSI 100**

**Music today**

Survey of developments in jazz, rhythm and blues, rock, and popular music of today's culture.

Lectures, 3 hours per week; listening assignments.

*Staff / Mon 6-9*

### **MUSI 240**

**Electronic music**

This course is designed to cover the compositional techniques involved in using tape recorders, synthesizers, and other audio modification devices incorporated in an electronic music studio.

Prerequisite: permission of the department. Instruction, 3 hours per week in the electronic studio.

*Staff / Mon 6-9*

## **Philosophy**

### **PHIL 190**

**Introduction to philosophy**

With the help of texts from great

philosophers in the East and West, this course aims at an awareness of the sense of philosophizing today.

Lectures, seminar, 3 hours per week.

*Malone / Wed 7-10*

### **PHIL 192**

**Eastern philosophy: an introduction**

A critical and historical survey of classical Indian thought from its origins in the Vedas and Upanishads to more systematic world-views culminating in Zen. Topics to be considered include the role and nature of consciousness, karma, freedom, the theory and practice of yoga, meditation, pleasure and pain, levitation, illusion, personal responsibility, atomic theory, and the sound of one hand clapping.

Lectures, seminar, 3 hours per week.

*Brown / Tues 7-10*

### **PHIL 206**

**Introduction to existentialism**

Existentialism is characterized by placing people and their experiences at the centre of philosophical activity. The course surveys some of the claims and discoveries of existentialists and invites students to develop their own perceptions through attentiveness to their own being.

Seminar, 3 hours per week.

*Brown / Thurs 6-9*

### **PHIL 309a**

**Theory of knowledge**

This course examines the uncritical acceptance of the pseudo-obvious and deals with the question: can a human being know more than human subjectivity? This question is discussed with reference to the views expressed by Kant and phenomenologists, and in contemporary thought.

Seminar, 3 hours per week.

(Not open to students with PHIL 309 credit.)

*Nathan / Tues 6-9*

### **PHIL 310b**

**Metaphysics**

The question of being is dealt with here as the question of human beings in the broken world who, with the existentialist Gabriel Marcel, are wondering about their existence and want to reflect in a personal way. Themes to be considered are truth, transcendence, togetherness, presence, freedom and hope.

Lectures, seminar, 3 hours per week.

(Not open to students with PHIL 310 credit.)

*Goicoechea / Tues 6-9*

### **PHIL 311**

**Religion and philosophy:  
comparative studies**

The course examines how religion and philosophy are related to each other in some major traditions of the East and the West (Hinduism, Buddhism, Judaism, Christianity) by studying some exemplary approaches to such basic themes as God, man, time, truth and freedom.

*Mayer / Mon 7-10*

### **PHIL 405**

**Comparative philosophy**

Questions of foundational importance to the philosophy of the present are pursued 'comparatively' through several of the philosophical traditions. 1982-83: the philosophies of Kant and Nietzsche will be compared.

Seminar, 3 hours per week.

*Brown / Mon 6-9*

### **PHIL 502**

**Empiricism and phenomenology**

The Empiricist tradition, with special focus on Hume, from a phenomenological perspective, and the points of contact and interaction between that tradition and phenomenological philosophy, particularly in the work of Husserl.

*Nathan / Thurs 6:30-9:30*

### **PHIL 552**

**Self and person in Eastern and  
Western thought**

The major philosophical orientations of the key concepts of self and of person, essentially allied yet subtly different, are examined in terms of some selected areas in Eastern (mainly classical Indian) and Western traditions — ranging from ancient to contemporary phases.

*Sinha, Goicoechea / Wed 7-10*

## **Physical Education**

### **PHED 201a**

**Organization and administration of physical  
education and recreation**  
(also offered as RECL 201hc)

# 1982/83 Winter evening course offerings

An introduction to administration theory and practice in physical education and recreation settings. Attention is focused on various aspects of administrative behavior as it occurs in the provision of public and private physical education and recreation services. Organizational characteristics of physical education and recreation services at a federal, provincial and local level will also be reviewed.

Prerequisite: PHED 190 or permission of the instructor.

Lectures, 3 hours per week, labs, individual organization and administration projects.

*Haslam / Thurs 7-10*

## **PHED 204a**

### **Scientific basis of physical education**

The course is designed to provide a base of knowledge which is applicable to human motion. The anatomical bases of movement — skeletal, nervous and muscular systems — will be dealt with to develop an understanding of human movement. Anatomically, the course will look at the skeletal structure, joint actions, and the interrelationship of aggregate muscle groups. Articular and muscular injuries will be dealt with where they apply. In addition, biomechanics and the growth and development of anatomical systems from birth to late teens will be studied.

Prerequisite: PHED 190 or permission of the instructor.

Lectures, lab, 4 hours per week.

*Davis / Tues 7-10*

## **PHED 207b**

### **Movement orientation through creative dance**

Application of Laban's principles of movement as they give variety and clarity of expression to creative dance. Emphasis will be placed upon the development of movement sequences utilizing various stimuli and the basic components of dance composition.

Prerequisite: PHED 190, 200hc or 203hc or permission of the instructor.

Lectures, lab, 3 hours per week.

*Murray / Tues, Thurs 7-9*

## **PHED 297a**

### **Fitness assessment and exercise prescriptions (also offered as RECL 297hc)**

In this course the implications for exercise prescription will be examined based on the student's direct participation in actual physical fitness testing and evaluation of ob-

tained results. 'High-risk' individuals, age, sex, lifestyle, and accessibility to facilities, will be examined as they relate to the parameters of physical fitness.

Prerequisite: PHED 190 or permission of the instructor.

Lectures, labs, 3 hours per week.

*Adams / Tues 7-10*

## **PHED 300b**

### **Movement orientation through advanced games**

A continuation of the study of games. Emphasis will be upon analysis, motor skill development, and strategies in advanced games. Application will be made of Laban's principles of movement as they apply to advanced games.

Prerequisites: PHED 190, 200hc, 202hc, 204hc, 205hc or permission of the instructor.

Lectures, lab, 3 hours per week.

*Haslam / Mon, Wed 6-8*

## **Politics**

## **POLI 190**

### **Introduction to politics**

An introduction to the basic concepts and institutions of political systems and to the various approaches used to study these systems. Topics include: ideologies such as liberalism, conservatism and communism; institutions of government including legislatures, bureaucracies and political parties; public opinion and voting; classes, elites and revolution.

Lectures, seminar, 3 hours per week.

*Fic / Tues 7-10*

## **POLI 212**

### **The government and politics of Canada**

A study of the political institutions and processes of Canada. Major topics will include the constitution and federalism, regions and regionalism, the political attitudes and behavior of Canadians, parties and elections, and the policy process.

Lectures, seminar, 3 hours per week.

*Matheson / Thurs 7-10*

## **POLI 242b**

### **The government and politics of China**

A study of political institutions and processes

of the Chinese People's Republic.

Lectures, seminar, 3 hours per week.

*Fic / Mon 7-10*

## **POLI 260a**

### **The government and politics of India**

Society, government and political processes in India, with special attention to leadership, party politics, caste and communal relations, regionalism, economic planning and change in the villages.

Lectures, seminar, 3 hours per week.

*Church / Mon 7-10*

## **POLI 333a**

### **The state and economic life**

An introduction to political economy and the role of the state. Topics include the state and economic planning, interest groups and the formation of economic policy, and the relationship between political and economic life as presented in different political theories.

Lectures, seminar, 3 hours per week.

*Cameron / Thurs 7-10*

## **POLI 334b**

### **Political parties**

The study of functions and structures of political parties and party systems with some reference to electoral systems and voting behavior.

Lectures, seminar, 3 hours per week.

*Cameron / Thurs 7-10*

## **POLI 352b**

### **Environmental policy, law and administration**

An examination of public policies, laws and agencies for the protection and management of the Canadian environments, both natural and man-made.

Lectures, seminar, 3 hours per week.

*Dreifelds / Wed 7-10*

## **POLI 359a**

### **Urban politics and administration (formerly part of POLI 350)**

Local government and politics in Canada with particular reference to Ontario and the Niagara region. Topics include municipal organization, metropolitan and regional government, provincial-municipal relations, elections, councils and councillors, citizen participation, property taxation and municipal finance, selected policy areas, and theories of local government.

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# 1982/83 Winter evening course offerings

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(Not open to students with a credit in POLI 350.)

Lectures, seminar, 3 hours per week.

*Church / Wed 7-10*

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## **POLI 402b**

### **Principles of classical political philosophy**

An examination of the character of pre-modern political philosophy through the careful analysis of specific works of such philosophers as Plato and Aristotle. Special attention will be paid to those features of ancient philosophy that most markedly distinguish ancient political science and philosophy from that of modernity.

Prerequisite: a previous course in political philosophy or permission of the instructor.

Seminar, 3 hours per week.

*Mathie / Thurs 7-10*

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## **POLI 412a**

### **Public policy formulation in Canada**

An evaluation of the contribution of political and administrative structures and processes to the definition of problems, selection of solutions and implementation of policies in selected areas in Canadian politics.

Seminar, 3 hours per week.

*Dreifelds / Tues 7-10*

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## **POLI 557b**

### **Civil and criminal procedure for court administration**

A survey of rules of court as they apply to the administration of justice, including jurisdiction pleadings, pre-trial procedures, trials and appeals.

Prerequisite: POLI 556hc.

*McWilliams / Mon 7-10*

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## **Psychology**

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## **PSYC 190**

### **Introduction to psychology**

Basic concepts and contemporary issues in psychology with special attention to learning, physiological, developmental, clinical and social psychology.

(Prerequisite to all courses in psychology.)

Lectures, seminar, 3 hours per week.

*Sadava, Mitterer / Tues 7-10*

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## **PSYC 210**

### **Child psychology**

(also offered as CHST 210)

A survey of research and theory on cognitive and social aspects of normal development.

Lectures, seminar, 3 hours per week.

*Jordan / Tues 7-10*

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## **PSYC 223**

### **Research design**

Principles of experimental design, systematic assessment and data analysis will be dealt with in the context of psychological research.

Lectures, tutorial, 3 hours per week.

*Lordahl / Wed 7-10*

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## **PSYC 311**

### **Issues in developmental psychology**

(also offered as CHST 311)

Examination of some current issues in developmental psychology, or recent experimental research on them, and theoretical approaches involved. The student will study human development from an integrated approach, including biological as well as psychological viewpoints.

Prerequisite: PSYC 210 or three psychology courses beyond PSYC 190.

Lectures, seminar, 3 hours per week.

*Segalowitz / Tues 7-10*

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## **PSYC 393a**

### **Life-span psychology: early adulthood and middle age**

(formerly part of PSYC 391)

Processes of identity and intimacy; sex roles and sexual response; communication and conflict resolution; family systems and pairing patterns; continuity and change; stress and adaptation strategies; mid-life crises and transitions.

Lectures, seminar, 3 hours per week.

*Carlsen / Tues 7-9 plus seminar*

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## **PSYC 394b**

### **Life-span psychology: process and developmental tasks of late adulthood** (formerly part of PSYC 391)

Introduction to gerontology; correlates of well-being; cognitive processes and creativity; sensory and physiological changes; organic brain syndrome; social issues in a growth model of aging; the intergenerational family; support systems; the life review process; cop-

ing with death and bereavement.

Lectures, seminar, 3 hours per week.

*Carlsen / Tues 7-9 plus seminar*

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## **Recreation and Leisure Studies**

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## **RECL 200a**

### **Community recreation programs** (formerly offered as PHED 293hc)

This course will introduce the student to the community education concept and its potential as a delivery service for co-ordinated and co-operative community recreation programs. Emphasis will be on helping students develop a clear understanding of the philosophy of leisure and recreation with a view towards the development of specific community recreation programs.

(Not open to students with credit in PHED 293hc.)

*Staniford / Mon 7-10*

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## **RECL 201a**

### **Organization and administration of physical education and recreation.**

(also offered as PHED 201hc)

An introduction to administration theory and practice in physical education and recreation settings. Attention is focused on various aspects of administrative behavior as it occurs in the provision of public and private physical education and recreation services. Organizational characteristics of physical education and recreation services at a federal, provincial and local level will also be reviewed.

Prerequisite: RECL 190.

(Not open to students with credit in PHED 201hc.)

Lectures, 3 hours per week, labs, individual projects.

*Haslam / Thurs 7-10*

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## **RECL 297a**

### **Fitness assessment and exercise prescription** (also offered as PHED 297hc)

In this course the implications for exercise prescription will be examined based on the student's direct participation in actual physical fitness testing and evaluation of obtained results. 'High-risk' individuals, age, sex, lifestyle, and accessibility to facilities, will be examined as they relate to the parameters of physical fitness.

Prerequisite: RECL 190.

Lectures, 3 hours per week.

*Adams / Tues 7-10*



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# 1982/83 Winter evening course offerings

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## RECL 298a

### Principles of play and leisure

A critical analysis of definitions, concepts and assumptions of classical, recent and modern play and leisure theories. Discussion of implications for individual and group lifestyles, programming, planning and research strategies.

Prerequisites: RECL 190, 200hc.

Lectures, seminars, 3 hours per week.

TBA / Wed 7-10

## RECL 303b

### Leisure and aging

A comprehensive course covering the philosophy and role of leisure in the life of the 'young old' and 'old'. Leisure as a social role in work and retirement with unique functions, rewards and attitudes. The effects of the decline of work and increase in leisure towards a leisure age, aspects of recreational planning, retirement planning and leisure counselling using specific practical models.

Prerequisites: RECL 190, 200hc.

Lectures, seminars, labs, 3 hours per week.

TBA / Mon 7-10

## RECL 305b

### Leisure services fieldwork

(formerly offered as PHED 397hc)

This course is designed to provide practical experiences in specific leisure service agencies. In addition to course work in leadership, programming and community resource development, students will be placed in one of a variety of existing community recreation settings.

Prerequisites: RECL 190 and 200hc.

(Not open to students with credit in PHED 397hc.)

Fieldwork, 3 to 4 hours per week, seminars, 2 hours per week.

Staniford / Wed 7-9 plus fieldwork

## RECL 390b

### Employee recreation

This course examines the role of recreation when applied to the work setting. The benefits of employee recreation, the types of programs and facilities available, employee fitness, financing, and program evaluation will be studied. In addition, each student will have the opportunity to develop a program applicable to a specific occupational environment.

Prerequisites: RECL 190, 200hc, 201hc which

may be taken concurrently.

Lectures, seminars, 3 hours per week.

TBA / Tues 7-10

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## Religious Studies

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### REST 190

#### Comparative religions

(formerly EXST 190)

A study of the world's major religions; their founders, teachings, scriptures, rituals, and development.

(Not open to students with credit in EXST 190.)

Lectures, seminar, 3 hours per week.

TBA / Wed 7-10

### REST 260

#### Old Testament studies

(formerly offered as EXST 260)

Such themes as covenant, promise, messiah, and sacred signs will be traced in their development through Hebrew history, from the perspective of the historical, prophetic, and wisdom books of the Old Testament.

(Not open to students with credit in EXST 260.)

Lectures, seminar, 3 hours per week.

Weber / Tues 7-10

### REST 270

#### New Testament studies

(formerly offered as EXST 270)

A critical examination of New Testament thought, using selected passages from the Gospels and Acts.

(Not open to students with credit in EXST 270.)

Lectures, seminar, 3 hours per week.

Scott / Mon 7-10

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## Slovak

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### SLOV 100

#### Elementary Slovak

This course is designed to give the student basic language skills and to introduce him to the fundamentals of Slovak grammar.

Lectures, 3 hours per week.

Frankel / Wed 7-10

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## Sociology

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### SOCI 190

#### Man and society

Principles and methods in social analysis; examination of elements of social structure, social relations, groups, culture, norms and values, social organizations and change; introduction to comparative analysis of societal structure and process. Emphasis will be placed on field experience, independent student research and data analysis.

Lectures, 2 hours per week and 1 hour laboratory.

Harrison / Wed 7-10

### SOCI 194

#### Introduction to linguistics

(also offered as LING 190)

Introduction to the study of language and language use. Concepts related to disciplines in the humanities, social sciences and education will be discussed. The course is not limited to any specific language, it deals with questions common to all tongues. Open to students in any year of study.

Richards / Thurs 7-10

### SOCI 220

#### Theories in social relations

An examination of major contemporary theoretical formulations in the areas of conceptual functioning and symbol systems including language; conformity and deviance including norms and reference groups; formal hierarchies and social stratification; and socialization as a continuing process.

Seminar, 3 hours per week.

Ward / Wed 6-9

### SOCI 292a

#### Sociology of deviance

Theories of conforming and deviant social behavior and methodologies used in their investigation; problems of causal analysis in studies of deviance, conformity and overconformity. Attention will be directed towards various forms of anti-social behavior, particularly those which are socially induced.

Lectures, seminar, 3 hours per week.

Tomovich / Thurs 7-10

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# 1982/83 Winter evening course offerings

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## **SOCI 293b**

### **Introduction to criminology**

The nature of criminal behavior, its social causes and consequences; organized crime; white-collar crime; forms of patterned evasion of legal norms; correctional institutions as social systems.

Lectures, seminar, 3 hours per week.

*Tomovich / Thurs 7-10*

## **SOCI 303a**

### **Psychiatric sociology**

The investigation of social factors associated with psychiatric illness. The course will emphasize the increased utilization of social science theory and research in the field of psychiatry.

Lectures, seminar, 3 hours per week.

(Not open to students with SOCI 340 credit.)

*Gillespie / Wed 6-9*

## **SOCI 304b**

### **Medical sociology**

The investigation of social factors associated with physical health, illness and impairments; health care delivery systems and the factors which influence their utilization. Lectures, seminar, 3 hours per week.

*Gillespie / Wed 6-9*

## **SOCI 343b**

### **Organizational theory**

also offered as ADMI 340hc)

Basic concepts, theory, research and methodology from the social and behavioral sciences relevant to the study of formal organizations.

Classical organization and management theory, early human relations and 'systems' approaches, organizational goals, power, planned organizational change.

Lectures, seminar, 3 hours per week.

*TBA / Wed 7-10 or TBA / Thurs 6-9*

## **SOCI 344a**

### **Organizational behavior**

(also offered as ADMI 341hc)

Basic concepts, theory and research on the behavior of individuals and groups in organizational settings. Topics include individual motivation, interpersonal relations, leadership, group process and dynamics, and other topics at the 'micro' level of analysis.

Lectures, seminar, 3 hours per week.

*TBA / Wed 7-10 or TBA / Thurs 6-9*

## **SOCI 351a**

### **The development of trade unionism**

(also offered as ADMI 470hc)

The emergence, growth, and maturity of trade unions in modern industrial societies. Why strikes occur, ethnicity and industrial conflict, militant trade unions and alienation are included in the topics to be covered.

Lectures, seminar, 3 hours per week.

*Glenday / Tues 7-10*

## **SOCI 352b**

### **International industrial relations**

(also offered as ADMI 471hc)

Role of multinational corporations, international organizations (European Economic community, EEC; Organization of Petroleum Exporting countries, OPEC) and levels of government in affecting major decisions on conditions of work, economic growth, collective bargaining and related matters in industrial relations.

Lectures, seminars, 3 hours per week.

*Glenday / Tues 7-10*

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## **Spanish**

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## **SPAN 100**

### **Language (introductory)**

Essentials of grammar, emphasis on idiomatic expression. Conversation and elementary composition.

Language laboratory.

*Fernandez / Wed 6-10*

## **SPAN 190**

### **Language and literature**

Practice in speaking, reading and writing, composition, self-expression. General background of Spanish literature.

Language laboratory.

*Gonzalez / Wed 6-10*

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## **Theatre**

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## **THEA 391**

### **Playwriting**

(formerly DRAM 491)

Theory and practice. Workshops on scripts in progress. Selected scripts will be produced in the department's annual spring festival.

Prerequisite: Permission of the instructor.

(Not open to students with credit in DRAM 491.)

Seminar, workshops, 3 hours per week.

*TBA / Mon 7-10*

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## **Urban and Environmental Studies**

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## **UEST 190**

### **Canadian urban and environmental issues**

An introduction to current Canadian issues in urban and environmental affairs such as legal constraints, pollution, resource management conflicts, northern pipeliners; hydro-electric developments, urban planning, sprawl and citizen participation. An inter-disciplinary approach will be taken, pointing to the contributions separate disciplines can make to the solution of these practical problems based upon their banks of principles and methodologies.

Lectures, seminar, 3 hours per week.

*Krushelnicki, TBA / Thurs 7-10*

## **UEST 296**

### **Planned change, urban systems analysis, and urban indicators**

Applications of systems theory to urban analysis; urban institutions as systems of cybernetic interaction; planned social and physical change; models of urban growth and decline; change growth and deviance; functional and intentional models of urban change; introduction to urban measurements and social indicators.

Prerequisite: Completion of year 1 requirements for urban and environmental studies.

Lectures, seminar, 3 hours per week; field work.

*Krushelnicki / Mon 7-10*

## **UEST 353b**

### **Environmental impact assessment**

The development of environmental impact assessment in Canada and in other countries; methods of environmental impact analysis; the environmental impact statement; a review of Canadian government procedures and examples of assessments on northern pipelines, hydro-electric and nuclear power stations.

Prerequisite: completion of UEST 296, 297 or permission of the instructor.

Lectures, seminar, 3 hours per week.

*Berkes / Thurs 7-10*

# 1982/83 Winter evening course offerings

## UEST 393a

### Interdisciplinary perspectives on pollution (formerly UEST 325hc)

Cycles of appearance and disappearance of organic and inorganic pollutants in the environment; biological effects of pollutants; metabolism of pollutants; chemical transformations; patterns of distribution; ways of altering turnovers and environmental levels. Lectures, seminar, 3 hours per week.  
(Not open to students with credit in UEST 325hc.)

*Berkes / Thurs 7-10*

## UEST 395a

### Interdisciplinary perspectives on the Quality of Life

The process of value formation as the core of the concept of life quality. Development of human potential. The disciplinary and interdisciplinary perceptions required to elucidate the Quality of Life concept and promote its application through public policy. Special attention given to the interaction between the humanities and social and natural sciences.

*Hoover / Tues 7-10*

## UEST 397b

### Interdisciplinary perspectives in urban and environmental studies

Problems and opportunities for planned urban and environmental change, with special emphasis upon certain areas and regions of Canada. Specific topics to be selected annually at the discretion of the co-ordinator, in consultation with co-operating faculty. Primary contributions to this course will be from the social sciences.

*Hoover / Tues 7-10*

## Visual Arts

### VISA 191

#### History of the visual arts

(formerly offered as EXST 191 and FINA 191)

Art appreciation and survey of major styles in architecture, sculpture, and painting from antiquity to the twentieth century.

No studio work.

(Not open to students with credit in EXST 191 or FINA 191.)

Lectures, seminars, 4 hours per week.

*Osterbind / Mon 7-10*

### VISA 195

#### Two and three dimensional design

(formerly offered as EXST 201 and FINA 201)

A studio course in the principles of composition and design which from the basis of all visual art. Form, structure, space, line, colour, proportion, rhythm, etc., will be explored, using a variety of simple drawing and modelling materials. A lab fee of \$25.00 will be charged. Students must supply their own materials. Students should submit a portfolio before registration. Details are available from the departmental secretary.

(Not open to students with credit in EXST 201 or FINA 201.)

Lectures, studio work, 3 hours per week.

*Tremain / Wed 6-9*

### VISA 240

#### Renaissance art and architecture

the classical resurgence of 1400-1600; individual works and artists in the social and intellectual context of the time, including Alberti, Brunelleschi, Donatello, Michelangelo, Raphael, Leonardo, etc.

Prerequisite: VISA 191 or permission of the instructor.

Lectures, seminars, 3 hours per week.

*Steiner / Tues 7-10*

### VISA 302

#### Advanced drawing

Advanced exploration of the various media and modes of drawing. A lab fee of \$25.00 is charged. Students must supply their own materials.

Prerequisite: VISA 202 and permission of the instructor.

Lectures, studio work, 3 hours per week.

*Creighton / Tues 7-10*

## Planning ahead to 1983

To assist part time students in their long-term planning, the University prepares lists of the courses which each department intends to offer in the 1983 spring evening, summer day, and winter evening sessions. The lists are highly tentative, but do represent the present efforts of the departments to meet the needs of part time students. The offering of a course is always subject to adequate enrolment and to availability of faculty. The lists are available on request from either the Registrar's office or the office of Part Time Programs.



# Programs for shift workers

Does your work schedule make study difficult? If you are thinking of continuing your education for career or personal enrichment, but your job involves shift work of some kind, it's good to know about our flexible day and evening programs.

This September, the following degree credit courses will be offered during both the day and evening sessions. You may alternate classes throughout the school year according to your work schedule. Consult the Winter Evening section of this brochure for a full course description.

Please note that you must indicate your shift schedule when you register to ensure that you may be accommodated in both classes, and that you will not encounter any major difficulties in alternating attendance at lectures and seminars.

Students seeking permission to rotate their attendance between day and evening sections should be aware that although all sections of a given course may have the same course content, the presentations are unlikely to be identical.

## Legend:

*a* half course offered from September 8 to December 7, 1982

*b* half course offered from January 3 to April 8, 1983

## Administrative Studies

191a	Introduction to business
192b	Introduction to management
240a	Commercial law
253a	Introduction to financial accounting
254b	Introduction to management accounting
322a	Basic marketing
324b	Marketing management
341a	Organizational behavior
342b	Organizational theory
356a	Intermediate financial accounting I
381	Corporate planning
422b	Marketing research
426b	Sales management
453b	Advanced accounting theory

## Biological Sciences

125	Biology, man and environment
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## Chemistry

490	Research project
491	Thesis

## Child Studies

210	Child psychology
311	Issues in developmental psychology
340	Observational research
350	Focus on early childhood education

## Computer Science

150hc	Computers in society
195b	Structured programming
260b	Introductory operations research

## Economics

191a	Principles of microeconomics
192b	Principles of macroeconomics
201	Microeconomics
251a	Intermediate micro theory
252b	Intermediate macro theory
290b	Economic statistics
302	History of economic thought

## Education

350	Focus on early childhood education
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## English

191	Introduction to literature
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## Geography

190	Introduction to human geography
191	Principles of physical geography
202b	Principles of economic geography
205a	The earth's natural landscape

## Geology

190	Introduction to geology
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## Germanic and Slavic Studies

100	Language (introductory)
190	Language and literature (intermediate I)

## History

190	Mediaeval Europe
490	Honors tutorial
491a	Selected historical problems I
492b	Selected historical problems II
499	Honors tutorial

## Mathematics

165	Mathematics for computer science
193a	Differential calculus for science students
194b	Integral calculus for science students
197b	Differential and integral methods
198a	Basic statistical methods
260b	Introductory operations research

## Philosophy

190	Introduction to philosophy
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# Program for shift workers

## Physical Education

- 201a Organization and administration of physical education and recreation
- 204a Scientific basis of physical education
- 207b Movement orientation through creative dance
- 300b Movement orientation through advanced games

## Spanish

- 100 Language (introductory)

## Politics

- 190 Introduction to politics
- 212 The government and politics of Canada

## Psychology

- 190 Introduction to psychology
- 210 Child psychology
- 223 Research design
- 311 Issues in developmental psychology
- 393a Life-span psychology: early adulthood and middle age
- 394b Life-span psychology: processes and developmental tasks of late adulthood

## Recreation and Leisure Studies

- 201a Organization and administration of physical education and recreation
- 298a Principles of play and leisure

## Sociology

- 190 Man and society
- 220 Theories in social relations
- 292a Sociology of deviance
- 293b Introduction to criminology
- 343b Organizational theory
- 344a Organizational behavior



# Off-campus teaching centres

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## Off-Campus Teaching Centres

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### Course on Request

In order to serve our part-time students at off-campus centres more efficiently, we are instituting a Course on Request program, to begin in the 1982 Fall Term. We realize that it is sometimes difficult to determine what courses should be offered at which centres each year and we would appreciate your assistance in identifying course offerings which best suit your needs. If you wish to request a course from those listed in the current University calendar to be given at a certain locale for next year, simply find several friends willing to register with you, identify a convenient time and place, send the names, addresses and telephone numbers of those interested, and return the information to the Office of Part Time Programs. If 10-15 people request the same course and location, we will do our best to offer it.

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## Off-campus teaching centres

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The following courses will be offered off-campus during the 1982-1983 winter evening session.

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## Niagara Falls Collegiate

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### ITAL 100

#### Language (introductory)

Acquisition of reading and oral skills, elementary grammar. Conversation and composition.

Language laboratory.

*DeLuca / Thurs 7-10*

### ITAL 230

#### Culture and civilization

(given in English)

A survey of the artistic heritage of Italy and of the forces — intellectual, political, and social — that have shaped the mentality and way of life of the Italians from the Middle Ages to the present day. Selected texts, slides, records, and films.

*Federici / Wed 7-10*

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## Niagara Parks Commission Niagara Falls

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### RECL 200a

#### Community recreation programs (formerly offered as PHED 293hc)

This course will introduce the student to the community education concept and its potential as a delivery service for co-ordinated and co-operative community recreation programs. Emphasis will be on helping students develop a clear understanding of the philosophy of leisure and recreation with a view towards the development of specific community recreation programs.

Prerequisite: RECL 190

(Not open to students with credit in PHED 293hc.)

*D. Staniford / Wed 7-10*

Ontario Horticultural College  
Niagara Parks Commission  
Niagara Parkway, Niagara Falls

### RECL 390b

#### Employee recreation

This course examines the role of recreation when applied to the work setting. The benefits of employee recreation, the types of programs and facilities available, employee fitness, financing, and program evaluation will be studied. In addition, each student will have the opportunity to develop a program applicable to a specific occupational environment.

Prerequisites: RECL 190, 200hc, 201hc which may be taken concurrently.

Lectures, seminars, 3 hours per week.

*D. Staniford / Mon 7-10*

Ontario Horticultural College  
Niagara Parks Commission  
Niagara Parkway  
Niagara Falls

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## Welland Public Library

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### PHIL 191

#### Social philosophy

Such phenomena as politics, education, history and economics will be studied in the thought of Plato, St. Augustine, Locke and Marx.

Lectures, seminar, 3 hours per week.

*Mayer / Tues 7-10*





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# Professional and individual exploration (PIE)

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## Non-credit programs in life skills, professional development, and personal exploration

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PIE is a group of professionals from several disciplines who offer a variety of educational programs through the Part Time Programs office. PIE courses are designed to enhance the continuing development of people in their personal lives and professional roles.

PIE programs are intended for persons seeking learning experiences for growth and development. They should not be regarded as a substitute for psychotherapy nor sought as a quick solution to pressing personal problems.

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## Application procedure

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Registration deadline for all workshops is ten (10) days prior to the starting date. Application must be accompanied by full payment of fees. A 20 per cent reduction in fees will be arranged when two or more persons from the same volunteer organization attend the same program. Please complete and return the registration form which is provided in this booklet.

All fees include a \$5 non-refundable registration cost. If you are unable to attend, and wish a refund, you must notify PIE at least five days in advance of the program starting date.

For further information, contact the Part Time Programs Office, 688-5550, ext. 249.

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## Facilitator profiles

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*Cathie Closs, M.Ed.*

A Counsellor and Learning Skills Programmes coordinator at Brock's Counselling Centre, her interests include individual counselling, personal awareness, interpersonal communication and learning skills development.

*David Jordan, Ph.D.*

A clinical psychologist, currently associate professor and director of counselling at Brock. Special interests are encounter groups, Gestalt therapy, systematic training in inter-

personal skills, and group leadership development.

*Joan McCurdy, M.Ed.*

A counsellor and Career Services Coordinator at Brock's Counselling Centre, her special interests are in career planning, women's development, math anxiety and personal growth in groups.

*Les Myers, B.A.*

An advanced doctoral candidate in counselling psychology at OISE (University of Toronto), his special interests are humanistic approaches to psychotherapy, hypnosis, clinical applications of humour and laughter, interpersonal skills development, and groups as agents of change.

*Ed Pomeroy, Ph.D.*

An associate professor of psychology at Brock, his interests range from psychotherapy to mind-body relations.

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## Chautauqua

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Chautauqua\* is a series of one-evening sessions addressing a wide variety of topics in the areas of professional and personal development. A range of didactic and experiential methods will be used. All sessions are held on Monday evenings, 7 to 10 pm.

\*Chautauqua, first held in 1874, was a program of cultural and educational events intended to encourage adults to continue their studies. A group of educators and entertainers travelled from community to community during the summer months staying several days in each place to present lectures, music and theatre.

Fees:

all ten sessions (30 hours): \$40

any five sessions (15 hours): \$25

one session (3 hours): \$6

Note: If you are registering for less than all 10 Chautauqua sessions please indicate the session number of each evening you wish to attend on your registration form.

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## 1. Changing Your Behavior

An activity-based introduction to behavior

change strategies, focusing on self-regulation methods.

*Ed Pomeroy*

September 13, 1982, 7 - 10 pm

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## 2. Assertiveness

An introduction to the basic concepts and skills in assertive training. An opportunity to assess your present assertive behavior.

*Joan McCurdy, Cathie Closs*

September 27, 1982, 7 - 10 pm

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## 3. Feelings: Friend or Foe

The Gestalt and Psychosynthesis models which will be presented give special emphasis to understanding, using and befriending our feelings. A variety of experiential techniques will be introduced to help participants explore the role of feelings in their own lives.

*David Jordan, Les Myers*

October 18, 1982, 7 - 10 pm

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## 4. Dual Career Couples

An overview of the special pressures on dual career couples and methods for getting the greatest benefits from this living style.

*Joan McCurdy, Les Myers*

November 15, 1982, 7 - 10 pm

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## 5. Mind Games: Stimulating Your Creative Self

Mind games are a variety of exciting, structured experiences which take place when the player is in a self-induced, altered state of consciousness. Most of the resources of the human mind are left untapped in everyday consciousness, yet peak experiences during drug-free altered states of awareness have been recorded throughout history. Participants will enjoy playing some mind games that could bring more awareness and creativity into their lives.

*Les Myers, David Jordan*

December 6, 1982, 7 - 10 pm

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## 6. Hypnosis myths and mysteries

Many erroneous beliefs about hypnosis are presented in the popular media. This session will concern itself with the misconceptions and realistic potentials of the hypnotic experience. Come see how useful and non-threatening hypnosis can be.

*David Jordan, Les Myers*

January 10, 1983, 7 - 10 pm

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# Professional and individual exploration (PIE)

## Career Planning / Job Search Series (7, 8, 9)

These three sessions overview the three components of career planning — self-assessment, the world of work and effective job search.

### 7. Career Planning A

Participants will develop a personal profile of skills and interests.

*Cathie Closs, Joan McCurdy*  
January 24, 1983, 7 - 10 pm

### 8. Career Planning B

Expanding the personal profile developed in Career Planning A, participants will learn how to find out about careers and do individual research in specific career areas.

*Marilyn Rose, Joan McCurdy*  
February 7, 1983, 7 - 10 pm

### 9. Job Search

How to develop successful job search strategies.

*Joan McCurdy, Marilyn Rose*  
March 7, 1983, 7 - 10 pm

### 10. Living Your Dying

Many people who have had close calls with death report that their lives become more vibrant and fulfilling. The structure of this workshop provides participants with the opportunity to explore and confront the meaning of their own deaths so that their lives might be enhanced.

*David Jordan, Les Myers*  
March 28, 1983, 7 - 10 pm

## Personal Development: Extended Programs

Note: Application deadline - 10 days prior to starting date

### Helping Your Baby Grow: Influencing the Fetal Environment

Recent publications suggest that a mother's state of mind during pregnancy can influence the development of the fetus and its potential emotional and physical well being in the first few years of life. The father's role during the time of fetal development is now also seen as more crucial. Of significant importance is the developing child's sense that it is loved and

about to enter a supportive environment.

Participants in this workshop will learn methods of reducing the amount of stress in their lives and imagery techniques designed to promote the healthy, happy development of their unborn child. Expectant parents will also find some of the methods useful for reducing discomfort experienced by the mother in the last trimester of pregnancy and during childbirth.

*Les Myers*  
Mondays, September 20, 27 and October 4, 1982  
7 - 10 pm Fee: \$40

### Understanding Your Dreams' Hidden Meanings

This workshop focuses on the use of dreams and other fantasies to increase self-awareness. Gestalt dreamwork methods will be demonstrated and emphasis will be placed on ways that the participants can continue to work on their own to understand what their dreams are saying to them.

*Les Myers*  
Saturday, October 30, 1982  
9 am to 4 pm Fee: \$40 (includes lunch)

### Coping With Stress And Anxiety

Stress and anxiety can influence our actions thoughts, feelings, and physical well being. Anxiety can prevent us from performing at our best and detract from the general quality of our life. Structured experiences will be used in this workshop to help participants identify how they contribute to their feelings of anxiety, how they can cope with stress, and how they can prepare themselves for specific anxiety arousing situations. Some of the techniques to be examined are self-statements, deep relaxation (auto-hypnosis) and fantasy rehearsal.

*Les Myers*  
Monday, November 1st and 8th, 1982  
7 - 10 pm Fee: \$40

### Working With The Client's Resistance

Probably the greatest contribution made to psychotherapy by the late Milton Erickson was his theory of utilization. This theory maintains that the clinician can use whatever the client presents in the office (including resistant behaviors) to further therapeutic gains. During this workshop, which is for those in the helpers role, participants will be provided with the opportunity to learn and practice

some of Erickson's sophisticated yet simple techniques.

*Les Myers*  
Saturday, November 20, 1982  
9 am - 5 pm Fee: \$40 (includes lunch)

### Mind Games

Mind games are a variety of exciting, structured experiences which take place when the player is in a self-induced, altered state of consciousness. Most of the resources of the human mind are left untapped in everyday consciousness, yet peak experiences during drug-free altered states of awareness have been recorded throughout history. Participants will enjoy playing some mind games that could bring more awareness and creativity into their lives.

*Les Myers*  
Saturday, January 22, 1983  
9 am - 5 pm Fee: \$40 (includes lunch)

### Guilt: Motivator and Demoralizer

Guilt is both a powerful motivator and demoralizer in our lives. It can freeze creative energies in the past and serve as a clock to personal growth in the present and future. A variety of experiences will be used to help the participants of this workshop focus on the effects of guilt in their lives, its hidden sources, and its management. Some of the concepts to be touched on are resentment vs. guilt, how we "should" on ourselves, and the compassionate self.

*Les Myers*  
Saturday, February 12, 1983  
9 am - 5 pm Fee: \$40 (includes lunch)

### Living Your Dying

Many people who have had close calls with death report that their lives become more vibrant and fulfilling. The structure of this workshop provides participants with the opportunity to explore and confront the meaning of their own deaths so that their lives might be enhanced.

*Les Myers*  
Saturday, April 9, 1983  
9 am - 5 pm Fee: \$40 (includes lunch)

# Learning Skills Programmes

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## Summer 1982

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### Study Skills

(Five 2-hour sessions)

"What do I need to survive University? I find it hard to manage my time. I just can't concentrate. How do I write an essay? Should I prepare differently for multiple-choice and essay exams?" Get prepared for classes in September. Sessions cover time management, concentration, notetaking, reading, seminar participation, essay writing and preparing for and writing exams.

#### Section A:

Monday, August 9; Wednesday, August 11;  
Monday, August 16; Wednesday, August 18;  
Monday, August 23.

7 - 9 pm

Fee: \$15.00

#### Section B:

Tuesday, August 17; Thursday, August 19;  
Tuesday, August 24; Thursday, August 26;  
Tuesday, August 31.

7 - 9 pm

Fee: \$15.00

### Increasing Your Math Confidence

(Five 2-hour sessions)

"I just can't do math. I thought if I majored in a social science like Psychology, I wouldn't have to take math. I just see a math problem and I go blank. I haven't any idea how to start. I give up on math."

This workshop is for those who have experienced lack of confidence, uncertainty, in dealing with math. The goal is to help you to explore your past approaches and experiences with math and develop new techniques that increase your confidence in dealing with math. This will be done in a small group among people who have similar concerns.

Tuesdays, August 3 - August 31, 1982

7 - 9 pm

Fee: \$20.00

### Re-Entry Mathematics (August Immersion)

Re-Entry Mathematics is for those who are entering/planning to enter University, but whose mathematics background is weak. The programme teaches the basic mathematics skills needed for entry into University credit courses in statistics and other mathematics

courses required for non-math majors (e.g. Psychology, Business Administration, Geography, Urban and Environmental Studies). While the specific topics depend on students' needs and the results of diagnostic assessment, typically Integers, Order of Operations, Fractions, Per Cent, Algebra, Exponents, Scientific Notation and Roots are covered.

The class environment is informal and highly supportive and instructional methods are chosen to reduce anxiety about math. Class size is limited to 20. Since increasing math competence depends on practice, practise sheets are provided and some work between class sessions is advised. *An interview is needed for entry into the program*

10 sessions, over 5 weeks.

Tuesdays and Thursdays

August 3 - September 2, 1982

Time: 6 - 9 pm

Fee: \$65.00

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## Fall 1982

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### Mature Student's Orientation

A one-day session especially designed for mature students. Learn skills in essay-writing, time management, exams, seminars and note-taking in lectures. Lunch is included.

Saturday, September 18, 1982

9 - 4 pm

Fee: \$10.00 (includes lunch)

### Study Skills

(Five 2-hour sessions)

An overview of study skills and habits. Includes time management, concentration, note-taking, reading, essay writing and exams. (See summer programme description.)

#### Section A:

Tuesdays, September 14 - October 12, 1982.

7 - 9 pm

Fee: \$15.00

#### Section B:

Mondays, September 20 - October 25, 1982.

(excluding Thanksgiving)

6-8 pm

Fee: \$15.00

### Increase Your Math Confidence

(Five 2-hour sessions)

"I just can't do math. I thought if I majored in a social science like Psychology, I wouldn't

have to take math. I just see a math problem and I go blank. I haven't any idea how to start. I give up on math."

Feel uncertain about your math skills? Bad past experiences with math? Learn why you feel this way. Develop new skills to increase your confidence.

Tuesdays, September 21-October 19, 1982.

7 - 9 pm

Fee: \$20.00

### Essay Writing

(Five 2-1/2-hour sessions)

Learn the process of writing an essay: choosing a topic, constructing a thesis statement, making an outline, researching the topic, organizing research material, writing the essay, revising and setting up the finished paper. Improve your writing style through exercises and instructor feedback.

#### Section A:

Mondays, September 20 - October 25, 1982  
(excluding Thanksgiving)

4 - 6:30 pm

Fee: \$25.00

#### Section B:

Tuesdays, September 21 - October 19, 1982.

7 - 9:30 pm

Fee: \$25.00

#### Section C:

Wednesdays, September 29-October 27, 1982.

7 - 9:30 pm

Fee: \$25.00

### Back to Basics: Grammar and Usage

(Ten 1-hour sessions)

This workshop offers students an opportunity to brush up on the basic elements of good writing - grammar and usage. Intensive one-hour sessions will cover basic grammar (the parts of speech, primary sentence elements, secondary sentence elements and types of sentences) and then move on to common problems in usage, such as subject/verb agreement, forming possessives, pronoun agreement, verb tenses and parallelism. Each class will include instruction followed by in-class exercises, self-testing and reinforcement exercises where necessary.

The purpose of the programme is to help students to identify and correct errors in their own written work.

Wednesdays, September 22-November 24, 1982

6 - 7 pm

Fee: \$20.00

# Learning Skills Programmes

## Skills For Seminar Participation

(Four 2-hour sessions)

Is this your first experience with seminars? Do you hesitate to speak up because you're not sure what's expected? Do you wonder what you have to add to a discussion? Do you think that some people in seminars seem to know so much already? Learn how to participate in seminars; how to prepare; how to feel more relaxed and confident. Understand how seminars function and how you can learn the most from them.

Thursdays, October 7 - 28, 1982

1 - 3 pm

Fee: \$10.00

## Effective Procrastination

(Two 2-hour sessions)

Do you work well under pressure? Do you leave things to the last minute and pull frequent all-nighters? Do you promise yourself at the end of each year that "next year will be different"?

In this workshop you will explore the dynamics of procrastination in general, and look specifically at your own process and techniques of procrastination.

You are unlikely to emerge from this workshop as a non-procrastinator, rather, you will learn about procrastination and perhaps learn some things about yourself and others that will help you to live more effectively with your procrastination.

Tuesdays, October 19 and October 26, 1982.

7 - 9 pm

Fee: \$5.00

## Effective Reading

(Five 2-1/2-hour sessions)

Improve your understanding of what you read. Learn to use different reading methods depending on your purpose for reading and the difficulty of the content. Topics to be covered include: reading rate, reading habits, reading flexibility, concentration and memory. Skills to be focussed on are: previewing, skimming, scanning, reading for main ideas and details, reading for critical comprehension, and reading exams. A reading/study method will also be taught.

Saturdays, October 16 - November 13, 1982.

9:30 - 12:00 noon

Fee: \$20.00

## Essay/Research Clinic

(One 2-hour session)

A two-hour programme co-led by a librarian and an essay writing instructor. The first hour will focus on the use of the library informa-

tion system for research purposes and the second hour will focus on the steps involved in writing a research paper.

Sessions will be offered at different times throughout October and November to accommodate a wide variety of student timetables. A listing of programme times will be available at the Library and the Counselling Centre, and in the Press after September 7, 1982.

Fee: \$2.00

## Re-Entry Mathematics

(Ten 3-hour sessions)

Re-Entry Mathematics is for those who are entering/planning to enter University, but whose mathematics background is weak. The programme teaches the basic mathematics skills needed for entry into University credit courses in statistics and other mathematics courses required for non-math majors (e.g. Psychology, Business Administration, Geography, Urban and Environmental Studies). While the specific topics depend on students' needs and the results of diagnostic assessment, typically Integers, Order of Operations, Fractions, Per Cent, Algebra, Exponents, Scientific Notation and Roots are covered. The class environment is informal and highly supportive and instructional methods are chosen to reduce anxiety about math. Class size is limited to 20. Since increasing math competence depends on practice, practise sheets are provided and some work between class sessions is advised.

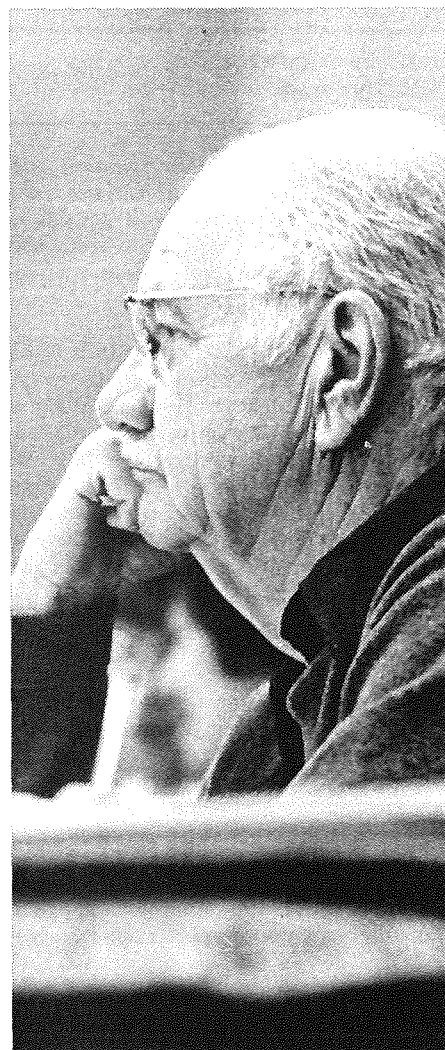
*An interview is needed for entry into the programme.*

10 sessions

Thursdays, September 23-November 25, 1982.

6 - 9 pm

Fee: \$70.00



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# College of Education

## continuing studies

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### Continuing studies

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The department of Continuing Studies, Brock College of Education was created in order that the College might more effectively meet the community's continuing educational needs. One of its major roles is the administration of the Route II BEd program. The courses in this program are designed to meet ministry of Education requirements for additional qualifications for teachers and administrators of Ontario schools. A number of these programs are being offered during the summer session. It is hoped that the offerings will meet the needs of a good number of teachers and administrators in the region.

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### Master of Education (MEd) program

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The College of Education offers a professional degree at the master's level for practicing teachers. This program makes it possible to specialize in one of three defined areas: curriculum studies, educational administration, and teacher behavior.

These courses are offered on a regular basis during the winter day and evening, spring evening and summer day sessions. Students are admitted to core courses during the fall, and may commence electives after the core subjects are successfully completed. The eight half courses required for the degree, which includes an exit project or thesis, can usually be completed through part time studies in two years.

For more information, contact the graduate officer, Mrs. S. Booth, in the Registrar's office. Prof. A. Bennett, the chairman of the graduate program, will also be happy to answer any questions.

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### BEd program Route II (in-service)

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The College of Education is happy to announce the introduction of a new BEd program designed for teachers interested in continuing their professional education and seeking endorsement of their OTC by the Ontario ministry of Education.

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### Program requirements

The requirement for the degree is the completion of a minimum of five courses numbered EDUC 411 or above (excluding EDUC 495), of which three will be in a specialized area. The sequential numbering of courses indicates the specialized area. It should be noted that the sequences coincide with the ministry of Education three-session course leading to additional qualifications e.g. Special Education EDUC 417, EDUC 418 and EDUC 419 are courses which will lead to successful students being recommended for the Special Education qualifications parts I, II, and III. Students may complete the requirements for the degree by selection of two additional courses from those as outlined above.

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### Admission to the program

Admission to the program is open to anyone possessing a teaching qualification (NB: candidates wishing to have courses recommended to the ministry of Education must hold an OTC). While entry to the program is not restricted to those holding an undergraduate degree, the award of the degree will be withheld until the candidate provides evidence of completion of an undergraduate degree acceptable to Brock University.

Students not interested in completing the entire program should note:

1. Transcripts showing work completed towards the degree will be available from the registrar.
2. Recommendation to the ministry of Education for endorsement of the OTC is not dependent on a candidate's completing the total requirement for the BEd degree.

For further information, contact the chairman, department of Continuing Studies.

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### Advanced standing

Students who complete ministry of Education courses through the College after June 30, 1979 may be eligible to receive up to two courses in advance standing towards the BEd degree Route II. For further information, contact the chairman, department of Continuing Studies.

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### Registration procedure

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**General requirements for Ministry of Education Additional Qualification credits.**

1. In order to be admitted to any of the Part I courses, a copy of your Ontario Teacher's Record Card **must be enclosed**.
2. In order to be admitted to a Part 2 course, evidence that the candidate has successfully completed Part I **must be enclosed** as indicated on the Ontario Teacher's Record Card.
3. In order to be admitted to a Part 3 course **evidence that Part 2 has been successfully completed as indicated on an Ontario Teacher's Record Card and a reference letter from the appropriate supervisory officer must accompany the application form.** (Ministry of Education Regulation).
4. Evidence of any additional requirements as outlined under each course description.

For inservice application/registration forms and further information, write to:

THE REGISTRAR'S OFFICE  
BROCK UNIVERSITY  
ST. CATHARINES, ONTARIO  
L2S 3A1

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### Scheduling of courses Winter, 1982

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The following courses will be offered pending sufficient enrolment. All courses will have a maximum enrolment figure as well. Candidates are asked to send in their applications as soon as possible. Application deadline - August 31, 1982.

The fee per course is \$221.

Courses will run from September 20, 1982 to March 17, 1983 from 6:30 to 9:30 pm on the evenings indicated.

# Winter Session 1982-83

*Ed 411	F.S.L.	Part 1	Mon.	9/20/82	Brock College of Education	
Ed 412	F.S.L.	Part 2	Mon.	9/20/82	Brock College of Education	
Ed 411	F.S.L.	Part 1	t.b.a.	t.b.a.	t.b.a.	Hamilton Area (Tentative)
Ed 412	F.S.L.	Part 2	t.b.a.	t.b.a.	t.b.a.	Hamilton Area (Tentative)
Ed 414	Music	Part 1	Wed.	9/22/82	Brock College of Education	
Ed 415	Music	Part 2	Wed.	9/22/82	Brock College of Education	
Ed 417	Spec. Ed.	Part 1	Wed.	9/22/82	St. Mary's H.S.	Hamilton
Ed 417	Spec. Ed.	Part 1	Thurs.	9/23/82	Brock College of Education	
Ed 418	Spec. Ed.	Part 2	Wed.	9/22/82	St. Mary's H.S.	Hamilton
Ed 418	Spec. Ed.	Part 2	Thurs.	9/23/82	Brock College of Education	
Ed 418	Spec. Ed.	Part 2	Wed.	9/22/82	North Park CVS.	Brantford
Ed 422	Reading	Part 2	Tues.	9/21/82	Brock College of Education	
Ed 427	Librarianship	Part 1	Tues.	9/21/82	E. Bagshaw P.S.	Hamilton
Ed 428	Librarianship	Part 2	Tues.	9/21/82	E. Bagshaw P.S.	Hamilton
Ed 432	Childhood Ed.		Tues.	9/21/82	Blessed Sacrament	Hamilton
Ed 434	Family Studies	Part 1	Wed.	9/22/82	Brock College of Education	
Ed 438	Primary Ed.	Part 2	Wed.	9/22/82	St. Teresa of Avila	Hamilton
Ed 441	PHED P/J	Part 1	Tues.	9/21/82	Southmount S.S.	Hamilton
Ed 441	PHED P/J	Part 1	Wed.	9/22/82	Carmel Sr.	Niagara Falls
Ed 441	PHED P/J	Part 1	Thurs.	9/23/82	Cayuga S.S.	Cayuga
Ed 442	PHED P/J	Part 2	Tues.	9/21/82	Southmount S.S.	Hamilton
Ed 442	PHED P/J	Part 2	Wed.	9/22/82	Carmel Sr.	Niagara Falls
Ed 442	PHED P/J	Part 2	Thurs.	9/23/82	Cayuga S.S.	Cayuga
Ed 444	PHED I/S	Part 1	Tues.	9/21/82	Southmount S.S.	Hamilton
Ed 444	PHED I/S	Part 1	Wed.	9/22/82	Carmel Sr.	Niagara Falls
Ed 445	PHED I/S	Part 2	Tues.	9/21/82	Southmount S.S.	Hamilton
Ed 451	Visual Arts	Part 1	Mon.	9/20/82	Brock College of Education	
Ed 451	Visual Arts	Part 1	Thurs.	9/23/82	Brantford CIVS.	Brantford
Ed 452	Visual Arts	Part 2	Thurs.	9/23/82	Brantford CIVS.	Brantford
Ed 454	Religious Ed.	Part 1	Wed.	9/22/82	St. Eugeues	Hamilton
Ed 454	Religious Ed.	Part 1	Wed.	9/22/82	A. T. Clancy	Thorold
Ed 455	Religious Ed.	Part 2	Wed.	9/22/82	St. Eugeues	Hamilton
Ed 455	Religious Ed.	Part 2	Wed.	9/22/82	A. T. Clancy	Thorold
Ed 457	Integrated Arts		Thurs.	9/23/82	Blessed Sacrament	Hamilton
Ed 461	Computers in the Classroom	Part 1	t.b.a.	t.b.a.	t.b.a.	Hamilton Area (Tentative)
Ed 461	Computers in the Classroom	Part 1	Mon.	9/20/82	t.b.a.	St. Catharines
Ed 464	Guidance	Part 1	Tues.	9/21/82	Brock College of Education	
Ed 467	E.S.L.	Part 1	Tues.	9/21/82	Brock of College of Education	



Ed 467	E.S.L. Part 1	Wed.	9/22/82	St. Mary's H.S.	Hamilton
Ed 470	Associate Teacher	Wed.	9/22/82	Brock College of Education	
Ed 480	Senior Basic	Mon. Wed.	9/20/82 9/22/82	Brock College of Education Brock College of Education	
Ed 485	Int. Math	Mon.	9/20/82	Brock College of Education	
Ed 486	Int. Science	Tues.	9/21/82	Brock College of Education	
Ed 487	Int. English	Wed.	9/22/82	Brock College of Education	
Ed 488	Int. History	Mon.	9/20/82	Brock College of Education	
Ed 489	Int. Geography	Tues.	9/21/82	Brock College of Education	
Ed 490	Int. Computer Science	Tues.	9/21/82	t.b.a.	St. Catharines

**NOTE:**

\*Ed 411 - Candidates must pass an oral and written proficiency test. Dates to be announced in September 1982.

**Material Fee:**

Ed 451, 452, 435 — \$25.00

All other courses — \$10.00

Make material fee cheque payable to:

**BROCK COLLEGE OF EDUCATION**

This fee will be collected on the first evening of the course.



# Application for Admission to Part-Time Studies

SOCIAL INSURANCE NUMBER																	

PLEASE SEE REVERSE SIDE FOR INSTRUCTIONS  
(Shaded areas for office use only)

REFERENCE NUMBER																	
FOR OFFICE USE ONLY																	

(PLEASE PRINT)

MR. <input type="checkbox"/> MRS. <input type="checkbox"/> MS. <input type="checkbox"/> MISS <input type="checkbox"/>		SURNAME:		GIVEN NAMES (ALL NAMES IN FULL, AS ON BIRTH CERTIFICATE)				SEX: 1 <input type="checkbox"/> MALE 2 <input type="checkbox"/> FEMALE	
ADDRESS: NUMBER		STREET		APARTMENT		CITY		COUNTY OR REGION	
PROVINCE		COUNTRY		POSTAL CODE		TELEPHONE NUMBER		MARITAL STATUS:	
						AREA CODE NUMBER		SINGLE <input type="checkbox"/> MARRIED <input type="checkbox"/> DIVORCED <input type="checkbox"/> SEPARATED <input type="checkbox"/> WIDOWED <input type="checkbox"/>	
FORMER SURNAME:		DATE OF BIRTH:		BORN IN CANADA OR CANADIAN CITIZEN		STATUS IN CANADA IF NOT CANADIAN CITIZEN		COUNTRY OF CITIZENSHIP	
		DAY MONTH YEAR		OR <input type="checkbox"/>		Permanent Resident (Landed Immigrant) 1 Student Visa 2 Other Visa 3		DATE OF ENTRY INTO CANADA	
EMPLOYMENT: IF EMPLOYED, NAME OF EMPLOYER		OCCUPATION		BUSINESS TELEPHONE:		AREA CODE		NUMBER	
MOTHER TONGUE (Language First Spoken)		ENGLISH <input type="checkbox"/> 1		FRENCH <input type="checkbox"/> 2		OTHER <input type="checkbox"/> 3		PLEASE SPECIFY	

SECONDARY SCHOOL(S) ATTENDED	LOCATION OF SCHOOL	GRADE COMPLETED	YEAR
			FROM 19..... TO 19.....
			FROM 19..... TO 19.....

POST-SECONDARY INSTITUTIONS ATTENDED: LIST IN ORDER OF LATEST ATTENDANCE

NAME OF INSTITUTION AND LOCATION	PROGRAM	DEGREE OR CERTIFICATE OBTAINED	YEAR
			FROM 19..... TO 19.....
			FROM 19..... TO 19.....
			FROM 19..... TO 19.....

I AM APPLYING FOR ADMISSION AS: (please check one)

☐ ONTARIO GD XIII GRADUATE (OR EQUIVALENT);

☐ A MATURE STUDENT;

☐ A TRANSFER STUDENT FROM A COLLEGE OR UNIVERSITY;

☐ AUDITOR — NO CREDIT

☐ A SPECIAL STUDENT HOLDING A DEGREE;

☐ AS A STUDENT ON A LETTER OF PERMISSION FROM \_\_\_\_\_ (HOME UNIVERSITY)

☐ NON-DEGREE —

I INTEND TO STUDY FOR: (please check one)

☐ B. Admin.

☐ B. A.:

☐ B. Bus. Econ.

☐ B. Sc.:

☐ B.Ph.Ed.

☐ B.R.L.S.

PROPOSED MAJOR(S) \_\_\_\_\_

PROPOSED MAJOR(S) \_\_\_\_\_

SESSION FOR WHICH APPLICATION IS MADE:

☐ FALL/WINTER; ☐ SEPTEMBER ENTRY

☐ JANUARY ENTRY

☐ SPRING EVENING

☐ SUMMER DAY

HAVE YOU PREVIOUSLY APPLIED TO BROCK UNIVERSITY? ☐ YES ☐ NO

IF YOU HAVE PREVIOUSLY TAKEN COURSES AT BROCK, PLEASE INDICATE YOUR BROCK STUDENT NUMBER

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I HEREBY CERTIFY THAT ALL STATEMENTS ARE CORRECT AND COMPLETE INCLUDING MY DECLARATION OF CITIZENSHIP AND STATUS IN CANADA. I UNDERSTAND THAT I MAY HAVE TO PROVIDE DOCUMENTATION AT SOME FUTURE DATE TO SUBSTANTIATE MY CLAIM AND THAT ANY MISREPRESENTATION OF THIS DATA MAY RESULT IN THE CANCELLATION OF MY ADMISSION OR REGISTRATION STATUS.

DATE..... SIGNATURE.....

## INSTRUCTIONS TO APPLICANTS:

1. All candidates for admission to full-time study must complete the appropriate Ontario University Applications Centre application form.
2. Applicants who have attended secondary school must arrange to have official transcripts of final marks **sent directly** to Brock University by their principal or guidance counsellor.
3. Applicants transferring from a college or university must arrange to have official transcripts **sent directly** to Brock University by the institutions concerned.
4. Applicants who are seeking admission on the basis of documents which are in a language other than English must submit the original documents as well as notarized English translations of the documents.
5. Applicants whose mother tongue is not English are required to submit proof of proficiency in English. Normally this will be evidence of satisfactory performance on TOEFL — Test of English as a Foreign Language, Educational Testing Service, Princeton, New Jersey, U.S.A.
6. Please direct all documents and enquiries to:  
Admissions, Office of the Registrar,  
Brock University,  
St. Catharines,  
Ontario. L2S 3A1  
  
Telephone: (416) 688-5550, ext. 434

SPECIAL NOTE: Early application is encouraged. Late applications may not be able to be processed in time for registration.

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# Returning Students

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If you are planning on **returning** to Brock in September 1982 to continue your studies, please complete the following form and return it to the Registrar's Office by **Monday, August 23, 1982**. A pre-printed registration form will be produced for you.

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## Registration Form Request - Fall / Winter 1982/83

Student Name: \_\_\_\_\_  
First Initial Surname

Student Number: \_\_\_\_\_

Address: \_\_\_\_\_  
Street number Street Name Apt. No.

\_\_\_\_\_  
City Province Postal Code

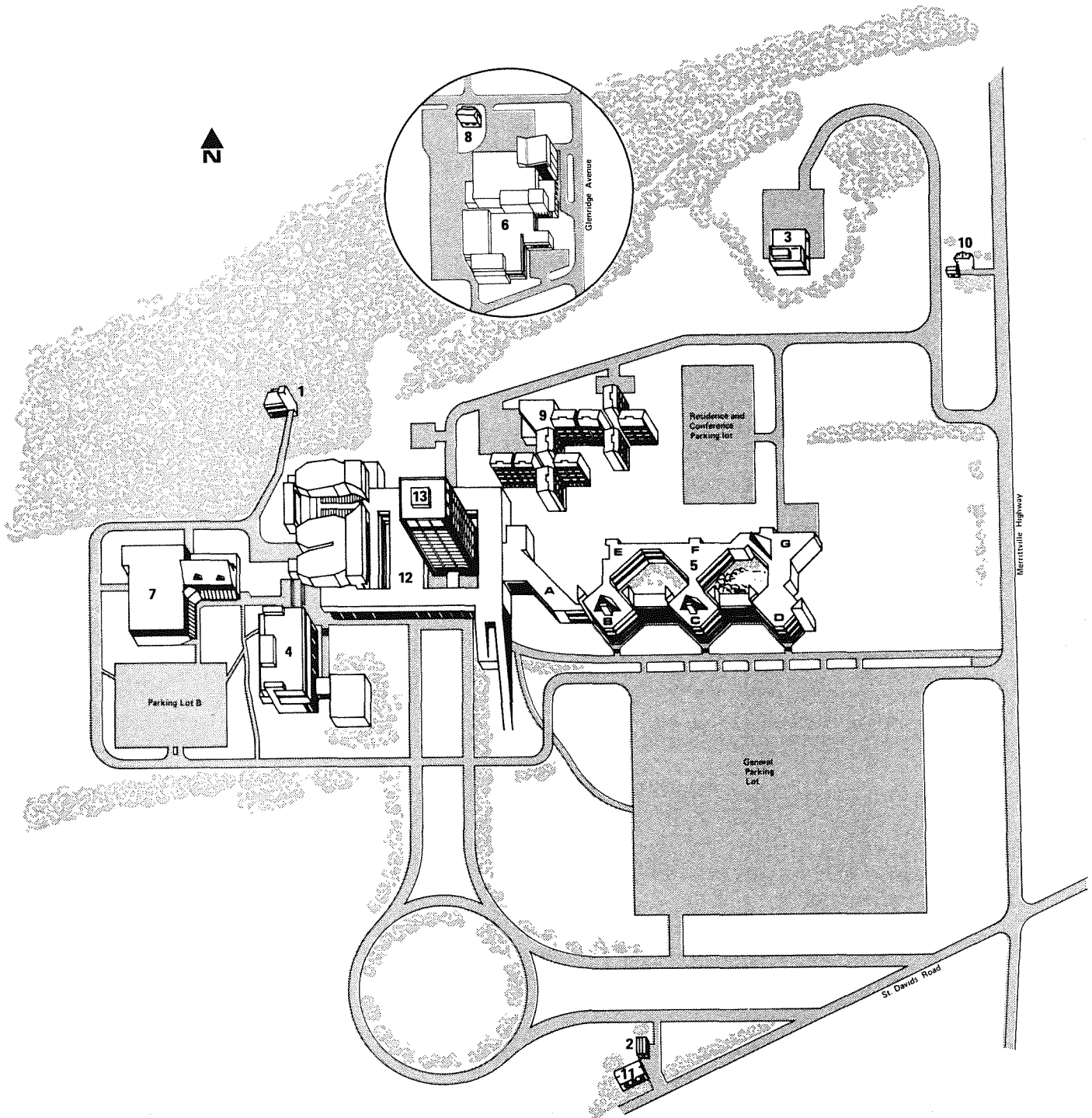
Telephone: \_\_\_\_\_  
Home Business

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### Please note:

This form is to be used only by **returning students** who are registering in degree credit courses. Do **NOT** enclose payments with this form.

# Campus guide



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# Campus guide

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## Buildings

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1. Campus centre (pub)
2. Carpentry shop
3. Central Utilities
4. College of Education
5. East Block
6. Glenridge science complex
7. Physical Education centre
8. Psych House
9. Residence
10. Scollay House
11. Symphony House
12. Thistle complex
13. Tower

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## Academic departments

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Administrative Studies, East Block E206  
Asian Studies, Tower 1236  
Biological Sciences, Glenridge 127  
Chemistry, Glenridge 80  
Child Studies, College of Education 109  
Classics, Tower 1227  
Computer Science, East Block G300  
Drama and Film Studies, Thistle 134  
Economics, Tower 1217  
Education, College of Education  
English, East Block F208  
Geography, East Block C322  
Geological Sciences, East Block D410  
Germanic and Slavic Studies, Tower 1119  
History, East Block C418  
Mathematics, Tower 1112  
Music, Thistle 143  
Philosophy, Tower 1236  
Physical Education, Phys.ed centre 213  
Physics, Glenridge 73  
Politics, East Block F206  
Psychology, East Block B325  
Religious Studies, East Block A203  
Romance Studies, Tower 1126  
Sociology, East Block B306  
Urban and Environmental Studies,  
Tower 1001

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## Facilities and services

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Alumni lounge, Tower 13th floor  
Alumni office, Thistle 263b  
Bank of Nova Scotia, Thistle corridor  
Board room, Tower 13th floor

Book Store, Thistle corridor  
Cafeterias  
Carousel, East Block, A pod  
residence  
tower, first floor (basement)  
Chaplain's office, Residence 212  
Computer centre, East Block F300  
Counselling centre, Thistle 270  
Faculty and staff club, Tower 13th floor  
Finance office, Tower 1012  
Food services, tower and residence  
cafeterias  
General Brock store, Thistle 252  
Health Services, Thistle 269  
Instructional Media centre, Thistle 235  
Language labs, Tower 901  
Liaison and Information office, Thistle 265  
Library, Tower  
Liquor services, Campus centre  
Mailroom, Thistle 151A  
Part Time Programs office, Thistle 263  
Photographic services, Tower 904  
Placement office, Residence 201  
Pond Inlet refectory, East Block, D pod  
Print Shop, Thistle 151  
Purchasing, Tower 1016  
Registrar's office, East Block A206  
Rosalind Blauer centre for child care,  
College of Education  
Security services, Thistle 272  
Senate chambers, East Block, A pod  
Student Awards office, Thistle 271b  
Students' Union, Thistle 828  
Technical services, Glenridge 28, 29, 129



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## People to contact

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For further information about any of the programs and courses listed in this brochure:

Part Time Programs office  
688-5550, ext. 249 / 250

To arrange a tour of the University, or contact the Speakers' Bureau:

Liaison and Information office  
688-5550, ext. 245

For admissions and registration information, and academic counselling:

Registrar's office  
688-5550, ext. 434

For details about scholarships and student loans:

Student Awards office  
688-5550, ext. 253

The Brock Centre for the Arts

Box office  
688-5550, ext. 216

For information about athletic programs and varsity sports:

Physical Education office  
688-5550, ext. 384 / 385

The University's mailing address is:

Brock University  
St. Catharines, Ontario  
L2S 3A1



# Registration Form

to be used for PIE courses and general interest courses only

(Please print and include course number and title)

I wish to enrol in the following course(s):

Fee

1. ☐ ☐ ☐ — ☐ ☐ — ☐ ☐ ☐ \_\_\_\_\_
2. ☐ ☐ ☐ — ☐ ☐ — ☐ ☐ ☐ \_\_\_\_\_

Name \_\_\_\_\_ Telephone (Home) \_\_\_\_\_

Address \_\_\_\_\_ (Business) \_\_\_\_\_ Total

\_\_\_\_\_ Postal Code \_\_\_\_\_

Mail this form along with your cheque made payable to Brock University to: Office of Part Time Programs  
Room Thistle 263, Brock University  
St. Catharines, Ontario  
L2S 3A1

This section to be completed for PIE programs only:

1. If you have ever been involved in a program similar to the one you are applying, please describe and indicate the sponsoring organization:

\_\_\_\_\_  
\_\_\_\_\_

2. Describe briefly your goals for the workshop: \_\_\_\_\_

\_\_\_\_\_

# Registration Form

to be used for PIE courses and general interest courses only

(Please print and include course number and title)

I wish to enrol in the following course(s):

Fee

1. ☐ ☐ ☐ — ☐ ☐ — ☐ ☐ ☐ \_\_\_\_\_
2. ☐ ☐ ☐ — ☐ ☐ — ☐ ☐ ☐ \_\_\_\_\_

Name \_\_\_\_\_ Telephone (Home) \_\_\_\_\_

Address \_\_\_\_\_ (Business) \_\_\_\_\_ Total

\_\_\_\_\_ Postal Code \_\_\_\_\_

Mail this form along with your cheque made payable to Brock University to: Office of Part Time Programs  
Room Thistle 263, Brock University  
St. Catharines, Ontario  
L2S 3A1

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1. If you have ever been involved in a program similar to the one you are applying, please describe and indicate the sponsoring organization:

\_\_\_\_\_  
\_\_\_\_\_

2. Describe briefly your goals for the workshop: \_\_\_\_\_

\_\_\_\_\_





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**BROCK**  
**UNIVERSITY**

St. Catharines, Ontario L2S 3A1

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