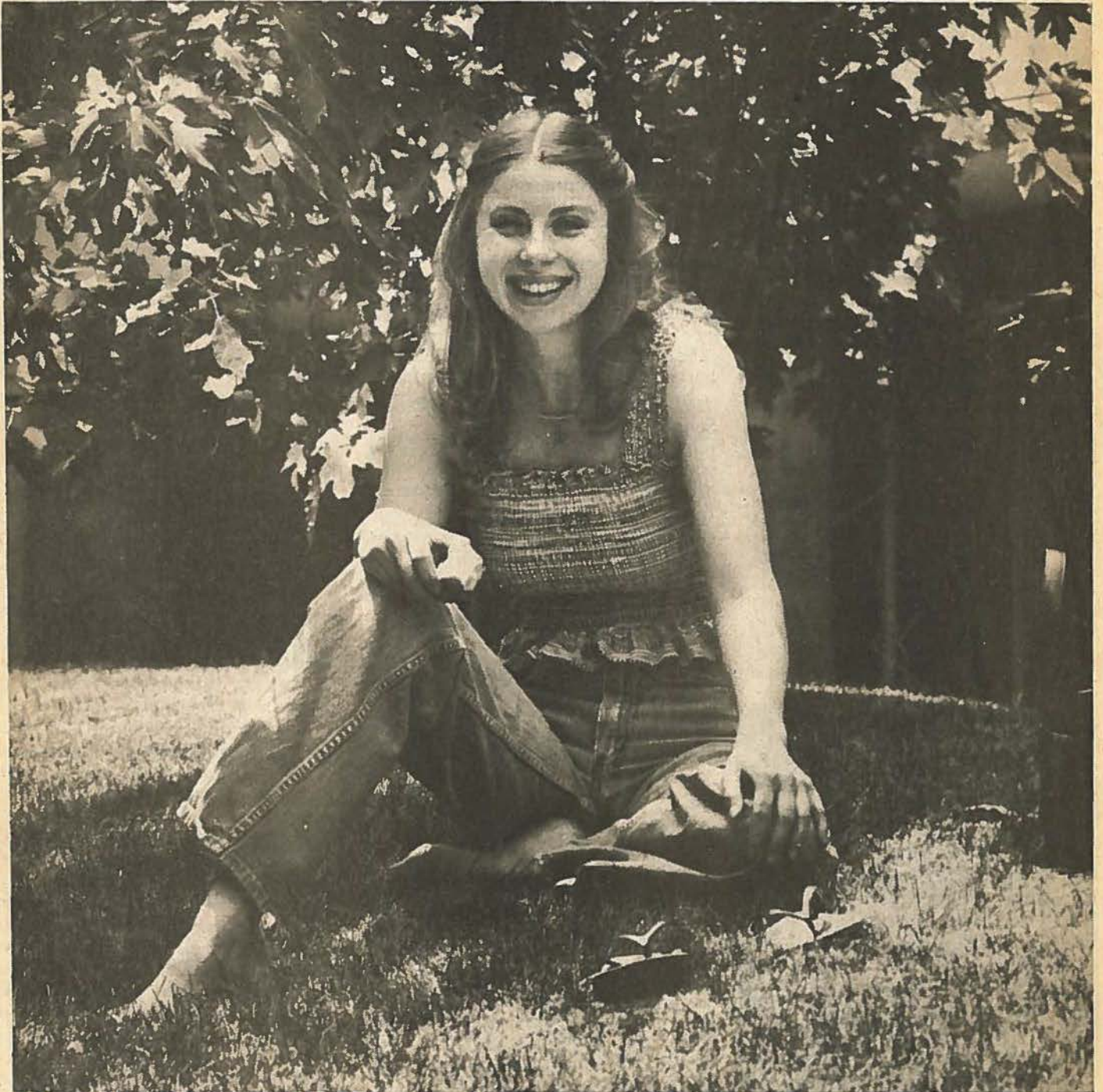


Part Time Studies at Brock University



Spring and Summer 1979

Table of contents

Introduction

General interest courses	1
Introduction	1
Part Time Programs office	1
Registration	1
Fee refunds	1
Bookstore	1
Course descriptions	1
Planning your retirement	5
Choices	5

Degree credit course offerings	6
Part time studies at Brock	6
Admissions	6
Mature Students	6
Special admission to undergraduate studies	6
Senior citizens	6
Registration dates	6
Classes begin	6
Fees	6
For further information	6
1979 Spring evening course offerings	7
1979 Summer day course offerings	16
1979/80 Tentative winter evening course offerings	20
Off-campus teaching centres	23
1980 Tentative spring evening session course offerings	24
1980 Tentative Summer day course offerings	26

Professional and individual exploration (PIE) *	27
Facilitator profiles	27
Application procedure	27
Programs	27

College of Education continuing studies	29
Programs for parents, teachers and school administrators	29
Ministry of Education certificate courses	29
Brock annual educational conference	29
Master of Education (MEd) program	29

Introduction

In an article appearing in the June, 1924, issue of *The Teachers' Magazine*, Stephen Leacock made the following observation:

"Now education is a peculiar process. You aim at one thing and you hit another. You set out to look for ultimate truth and you don't find it; but incidentally you have acquired a cultivated mind. You pursue studies that you think will be of use in your business. They are not. But by the time you are done with them you yourself are a better man for your business or for any other business."

We hope that those of you who wish to continue your education will find, among the many courses described in this brochure, a learning experience that fulfills your personal needs and interests.



General interest courses

Introduction

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. These 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 faculty members and fellow students. Your own interest is all that is needed to ensure success in a course.

Part Time Programs office

The office of Part Time Programs is located in room 264, Thistle complex, adjacent to the library tower on the main campus. The hours of the office are 8:30 am to 4:30 pm, Monday through Friday. The office is closed 12-1 pm. You can contact us at 684-7201, ext. 477 or 478.

Registration

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 at the end of this brochure and mail it, together with full fees payable, to Brock University.

For the convenience of the public, there will be a special registration period at the office of Part Time Programs: Monday, April 23 and Tuesday April 24, 8:30 am to 8:30 pm; and Saturday, April 28, 10 am to noon.

Fee refunds

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 \$5 administrative charge for handling will be deducted. Non-attendance at classes does not constitute official withdrawal.

Bookstore

Some courses have required or recommended reading material, which may be purchased at the Brock bookstore, located in the Thistle corridor adjacent to the Thistle Theatre. Until July 1, the bookstore will be open during these hours:

Monday to Thursday, 10 am to 7 pm
Friday, 10 am to 4:30 pm

Course descriptions

GEN-22-101

Sleep and dreams

Why do you spend one third of your life asleep? What happens to brain and body during sleep? What are dreams all about? How often do they occur? What do they mean (to you and to psychologists)? What happens to people who go without sleep? Can we compare sleep in animals and man? These questions will be discussed as we learn about contemporary approaches to studying sleep and dreaming. Lectures and discussions will be supplemented by individual dream diaries and a visit to Brock's sleep research laboratory. Topics will include a brief review of historical views of the importance of sleep and early interpretations of dreams; an outline of current sleep research; contemporary views on dreaming; interpreting your own collected dreams. Each participant becomes his or her own "dream researcher". The course will update people's views on sleep and dreaming in the light of contemporary research in these fields. Participants will be encouraged to examine their own sleep and dream patterns. The course will provoke questions and discussions

about readings and lecture material. Required reading: *Sleep: The Gentle Tyrant*, W.B. Webb, Englewood Cliffs, N.J., Prentice-Hall, 1975 (Spectrum), 177 pages, \$4.50; *Night Life: Explorations In Dreaming*, R.D. Cartwright, Englewood Cliffs, N.J., Prentice-Hall, 1977 (Spectrum), 148 pages, \$3.50.

Prof. R. Ogilvie, Psychology

6 Mondays

7-9 pm

Beginning May 7, 1979

Fee: \$25

GEN-03-100

The Roman Catholic church in crisis

Catholics are living in the most dramatic period in their history since the Reformation, and both Catholics and Catholic-watchers wonder what's been happening. Why did the church drop Latin? Who does the Pope think he is? Should priests marry? Will there ever be women priests? Do the new rituals work? What is sin? Can the church survive rapid change, widespread influence, and unpopular leadership? To get at the answers to these and other questions, participants will attend a series of one hour, factual, background lectures, followed by discussions of selected topics. Course topics include the 2nd Vatican Council; the councils through the ages; the papacy today; women in the church; the celibate clergy; abortion, birth control and sexual ethics; morality past and present; Catholic rituals; additional or substitute topics will be determined after consultation with participants. Participants should gain an awareness of the causes of the current crisis of Catholicism which is of the utmost importance, not only to Catholics and ecumenical-minded Protestants, but to Western civilization itself. The course will appeal to Catholics; all who are committed Christians of any stripe; and everyone interested in the progress (or decline) of civilization. Recommendations for readings will be made from time to time.

Prof. T. Nau, History

8 Tuesdays

7-9 pm

Beginning May 8, 1979

Fee: \$25

General interest courses

GEN-12-101

French-Canadian culture

A study of the values, traditions, arts and history in Quebec from the 17th to the 20th centuries, which have helped to create the distinctive French-Canadian identity. Course topics will include the early history of Quebec (1537-1759); Quebec from 1759-1979; social, religious, moral values in old Quebec; outstanding figures in Quebec (past and present); the Quiet Revolution; the arts in Quebec (cinema, literature, music). Students will come to a better understanding of Quebec's contribution to the cultural heritage of Canada, and will gain a better grasp of its complexity and dynamism. The course will appeal to English-speaking people with a keen interest in Quebec and to Francophones who would like to know more about their cultural heritage. Recommended reading: *The French Canadians*, Mason Wade, revised edition, St. Martin's Press, 1968, 2 vols.

Prof. L. Rosmarin, *Romance Studies*

6 Thursdays

7-9 pm

Beginning May 10, 1979

Fee: \$25

GEN-06-101

The British steam railway locomotive, 1800-1978: birth, life, death and reincarnation

This is an illustrated (slide) lecture series covering the history of the steam locomotive in the railways of Britain from 1800 to the present. The history and social impact of railway development in the U.K. and elsewhere will also be discussed. Course topics will include the development of stationary steam power (Watt); application to mining railways (Trevithick, Stephenson) and public railways (Stephenson); the evolution of design and engineering (1830-1950); decline (1955-1968); and the growth of the steam preservation movement (1965-1978). Participants will explore a key period of industrial and economic history (the early Industrial Revolution). A useful guide to the railway system of the U.K. will also be provided for potential visitors. The course will appeal to those interested in industrial history; local members of the Canadian Railroad Historical Association, Upper Canada

Railway Society and others with an interest in railways.

Prof. H. Holland, *Chemistry*

6 Thursdays

7-9 pm

Beginning May 10, 1979

Fee: \$25

GEN-02-100

Christian literature

An examination of assumptions about what "Christian literature" might be and might do, and a sympathetic study of some important Christian novelists and poets. Course topics will include: workshop on assumptions; the novel as witness; the conversion novel; the place of allegory; varieties of experience and expression in poetry; science fiction and psychofantasy; realism and doctrine. The course will provide an introduction to some major Christian literary works; a re-assessment of personal values; and an understanding of some of the problems facing the Christian artist.

Prof. J. Lye, *English*

8 Mondays

7-9:30 pm

Beginning April 30, 1979

Fee: \$25

GEN-07-100

Astronomy: planets, stars and galaxies

What do astronomers see that is not seen by the untrained eye? In a series of four lectures we will look at the contents of the universe, the modern views of stars and planets, and cosmology: the subject that ties all of astronomy together. Weather permitting, there will be an opportunity to observe the stars and other celestial objects through the University's telescopes. Topics to be covered in sequence are contents of the universe; modern view of stars; modern view of planets; cosmology. The course will provide a quick and easy overview of astronomy; and an appreciation of the beauty of the universe. This course would have special appeal for elementary school teachers; Girl Guide and Boy Scout leaders; people with a general interest in astronomy. Recommended reading: *Astronomy: Fundamentals and Frontiers*, Wiley, Third Edition.

Prof. J. Black, G. Kidson, J. Moore, C. Plint, *Physics*

4 Tuesdays

7-9 pm

Beginning May 1, 1979

Fee: \$25

GEN-08-101

Surveying for the layman

A workshop course providing an introduction to simple surveying methods, especially those involving inexpensive equipment. The emphasis will be on learning through doing. Each session will be built around a particular instrument (ranging from the tape to the transit) and will provide the opportunity for "hands-on" experience in its use. The theme of map-making will link the sessions together. All sessions will take place largely out of doors. A practical introduction will be given to the following equipment during the workshop: the tape, the clinometer; the compass; the level; the plane table; the transit. The student will gain a very basic knowledge of the principles and practice of topographic surveying and an introduction to the use of various standard surveying instruments. This will enable him to carry out simple surveys of his own, with guidance. The course would appeal to the general public, especially teachers; homeowners; outdoorsmen and gardeners. Required reading: *Surveying for Young Engineers*, S. Wright Perrott, Third Edition, London, Chapman and Hall, 1970. Maximum enrolment of 16.

Prof. A. Hughes, *Geography*

6 Saturdays

9 am - 12 noon

Beginning June 2, 1979

Fee: \$40

GEN-16-101

Basic computer programming

This course will introduce the student to basic techniques of computer programming with applications on the Wang computer in the BASIC language. The objective of the course is to give a person a working knowledge of a simple, but practical, computing language. The course should appeal to teachers, industrialists, high school students and so forth. Required reading: *Basic Programming*, J.G. Kemeny and T.E. Kurtz, Wiley.

Prof. S. Rothstein, *Chemistry*

General interest courses

6 Thursdays
7-9 pm
Beginning May 10, 1979
Fee: \$25

GEN-18-101

Physical activity and your child

This course will have special appeal for parents of young children. It will deal with the principles and application of natural movement, including a study of the moving, growing child with application to today's living. Activities for active family fun and fitness will be introduced. Course topics will include child growth and development; moving and growing; your child's feelings and physical activity; principles of natural movement; activities for family fun and fitness; moving and learning. The course will develop an awareness of the contribution of movement to the growth and development of young children (2-6 years); how families can become more active naturally; practical involvement in natural movement; helping your child become a skillful mover. Recommended reading: *Natural Movement for Children — A Guide for Parents on Physical Activity*. (Available from the instructor.) Registration will be limited.

Prof. D. Staniford, Physical Education
6 Mondays
7-10 pm
Beginning April 16, 1979
Fee: \$25

GEN-19-103

Field identification of minerals

Participants will be introduced to the physical properties of minerals, and Labs will provide samples for practicing the skills of mineral identification. The final objective will be to apply physical properties of minerals to the use of a determinative table in the field. Course topics will include: introduction to minerals and crystal systems; mineral aggregates; mineral hardness, cleavage, fracture, streak; other physical properties; mineral families; use of determinative tables in the field. Students will be able to use determinative tables in Mineral Identification Texts in order to identify minerals. This course would be of interest to members of Niagara Peninsula Geological Society and teachers, as well

as the general public. Recommended reading: *An Introduction to the Megascopic Study and Determination of Minerals and Rocks*, Third Edition, K.M. Pohopien, Wm. C. Brown Publishers, \$3.50.

B. Murphy

5 Wednesdays, 1 Saturday field trip
7-9 pm
Beginning May 9, 1979
Fee: \$25

GEN-21-101

Farmland preservation and urban development

This course will focus on an examination of the interface between the urban centre and the agricultural hinterland. The concept of urban shadow will be discussed. Market factors and land management principles as they relate to public policy for urban development and farmland preservation will also be considered. Lectures and seminars. The following will be covered: the history of the rural-urban interface in Canada, Ontario and regional Niagara; the politics of food — world-wide, Canadian and in regional Niagara; the problem of the agriculturist at the rural-urban interface; policy for foodland preservation and urban development. Participants will gain an understanding of the foodland issue from a long-term resource perspective and an appreciation of the problems of public policy which are involved. The course will appeal to citizens groups and individuals with an interest in the preservation of farmland; other groups concerned with farming as a viable industry, particularly in regional Niagara; still other groups who are engaged in real estate development and central city improvement; finally groups engaged in neighbourhood improvement. Free handout material.

Prof. R. Hoover, Urban and Environmental Studies
6 Thursdays
7-9 pm
Beginning May 17, 1979
Fee: \$25

GEN-22-100

Gambling: who really wins?

Discover the odds of winning the Wintario or Loto Canada. The course will include:

Nature of chance and probability, expected values and ruin, classic gambler's fallacy, risk as a part of life, subjective probability and utility;

Casino games: Roulette, Craps, Blackjack, Baccarat, Keno and other foolish games;

Lotteries and bingo, pari-mutual wagering, sport's books;

Private games: card games and other "skill" games, legal requirements and restrictions, hazards;

Psychology of gambling: lures and traps, addictions and self-destructive behaviours;

Gambling as entertainment: strategies for fun on a fixed budget, maximizing chances of a win, avoiding cheating; and

Gambler's ruin and long-run expectancies, betting systems (long and short-run results), games which can be 'beaten'.

Prof. D.S. Lordahl, Psychology
8 Wednesdays
7-10 pm
Beginning May 2, 1979
Fee: \$25

GEN-92-103

About running

Through a series of one hour lectures, some aspects of the folklore, mythology and current thinking about running will be examined. Presentations will range from practical discussions of the "hows" and "how nots" of running for novice and expert to academic presentations of literary and scientific information regarding the nature of running and runners. Running will be seen as a medium for true enjoyment as well as an opportunity to learn more about one's self. The relationships between proper diet and nutrition, and energy and running will be examined. In addition,

General interest courses

running as an aid to reduction of stress and a healthful benefit leading to restful sleep will be discussed. A critical review of the current literature available on running, and a short bibliography of useful books and magazines will also be provided.

Following the lecture each evening, a short fun-run will take place on campus. This voluntary part of the program will allow further exploration of the running experience. The lecture series and the fun-runs should appeal to both novice and experienced runners alike.

Profs. R. Ogilvie, E. Pomeroy, Psychology
Prof. A. Booth, Classics
Prof. I. Shaw, English
Prof. D. Ursino, Biology
Mr. A. Pedler, Brock University track coach

6 Tuesdays

Lecture 7 to 8 pm

Fun-run 8:15 to 8:45 pm

Begins May 8, 1979

Fee: Lectures only: \$10

Lectures and fun-run: \$15

(The Physical Education centre will be available for showers.)

GEN-34-100

A non-technical look at financing the public schools of Ontario

The course will provide an examination of problems and issues associated with financing public education. Topics to be covered will include factors affecting educational costs (including enrolment patterns), the relationships between cost and quality, the allocation of fiscal responsibility among federal, provincial and municipal governments, the Ontario school grant system and the problems of financing equality of educational opportunity. The course will attempt to develop an understanding of the economic and political context within which decisions are made. It will enable participants to develop a more critical approach to assumptions underlying financial decisions, and to become aware of alternative methods of solving problems. This course will appeal to concerned citizens and school trustees.

Prof. P. Atherton, College of Education
 5 Wednesdays

6-8 pm

Beginning May 9, 1979

Fee: \$25

GEN-34-101

Introduction to minicomputers for personal and small business computing

The course will provide an overview of the latest minicomputer hardware and software technology, tools, procedures, and approaches for personal and small business needs or interests. An integral part of this workshop series will be the exploration of user problems and their solution. Participants will be encouraged to operate minicomputers during the programme. Course topics will include classes of computers and minicomputers; their characteristics and architecture; hardware and peripherals; software and programming; minicomputer applications; future trends. The course will provide an overview of minicomputer hardware and software; what the minicomputer can and cannot do; solution of personal and small business computing needs. The course would have special appeal to owners of small businesses and those interested in home computing, such as professional groups, doctors, dentists, and lawyers.

Dr. R. Crane, College of Education

6 Tuesdays

7-9 pm

Beginning May 8, 1979

Fee: \$25

GEN-36-100

Matters of life and death: contemporary issues in bioethics

Current problems of the great emotional and practical significance of life and death are explored from the perspectives of the biological sciences and ethics. Topics to be considered in a lecture-discussion format include: the status of the fetus in regards to fetal research and abortion; global food resources and the morality of food aid programs; world population and procreative rights; and some recent advances in genetics research and the concept of "dangerous knowledge". No previous knowledge of either biology or philosophy is necessary.

Prof. G. Nathan, Philosophy

Prof. D. Ursino, Biology

8 Wednesdays

7-10 pm

Beginning May 2, 1979

Fee: \$40

GEN-92-100

Solar energy seminar

The 1977 Popular Science Handbook on Home Energy points out that "every fifteen minutes, enough solar energy reaches the earth to supply the entire world's energy needs for a year. Many enlightened people feel we ought to collect that energy and put it to use. Solar energy is free. It's plentiful. It doesn't pollute. So why don't we put it to better use?" For answers to this question, and a practical insight into solar energy, plan to attend our solar energy seminar. Here are some of the topics to be covered:

Canadian solar projects to date

Reference material

Solar basics — the greenhouse effect

Simple thermodynamics

Types of water collectors

Types of air collectors

Orientation and materials

Systems, pumps, blowers, controls

Storage of heat

Thermosyphon systems for the cottage

Swimming pool heaters and greenhouses

Sizing the systems — doing the calculations

How much does it really cost?

Testing a solar system

Passive solar heating — design and aesthetics

A brief look at aerogenerators, heat pumps, wood stoves

J. Umanetz — Mr. Umanetz has had extensive practical experience with solar energy. He has designed and built his own solar-heated home.

4 days, Saturday and Sunday, June 16, 17, 23 and 24, 1979

Saturday, 9 am to 4 pm

Sunday, 10 am to 5 pm

Fee: \$50 (includes lunch and coffee each day)

Registration will be limited

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 include: getting and staying

General interest courses

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: *Canadian Consumer Survival Book*, Ellen Roseman and Phil Edmonston, General Publishing, \$6.95.

W. Wright

8 Tuesdays

7:30-9:30 pm

Beginning May 1, 1979

Fee: \$25

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 in the next few years, now is the time to start thinking of the many changes that will take place in your lifestyle. Our resource people, all well qualified, provide information and advice on such matters as

- What activities you should consider
- Federal and provincial benefits
- The handling of your money (budgets, etc.)
- Legal matters, including consumer protection
- Where to live (type of locality and house, etc.)
- Taking care of your health
- A philosophy of life (the deeper aspects of living)

Course details:

When: The course is held either Tuesday or Thursday evenings for 9 sessions of 2 hours each.

The spring courses begin Tuesday, April 3 or Thursday, April 5.

Information regarding the fall and winter courses will appear in our next brochure.

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

Fees: \$15 single, \$20 per couple.

Please make cheques payable to: Regional Niagara Pre-Retirement Council.

How to apply: You may apply in person or by letter to Part Time Programs, Th 264, Brock University, St. Catharines, Ontario L2S 3A1.

We require your name, address (include postal code), telephone number and preferred evening for the course.

For information: Call the office of Part Time Programs (416) 684-7201, ext. 477.

Choices

Has it been a long time since you left school?

Have you thought about furthering your education but have hesitated for any of the following reasons?

- It's been a long time since you left school
- You wonder if you can succeed
- You are not sure what it would be like
- You are unsure if university is the route you want to take

Choices is a one day workshop offered by Brock University. If you have considered returning to school but are unsure, this program will help you explore your interests, abilities and goals. If you are considering a career change, career advancement, or re-entry to the work force, the workshop will provide you with some of the answers, new perspectives and a framework for decision-making. At the same time, you may be interested in meeting new people with similar interests, or you would like opportunities for personal and intellectual growth.

The workshop will include a series of questionnaires and small group discussions. In order that each participant may receive an individual assessment, questionnaires must be completed in advance. This will require up to two hours of your time at home.

Registration deadline: Friday, April 20, 1979.

Date of workshop: Saturday, June 2, 1979, 9 am to 4 pm.

Fee: \$15 (includes lunch, coffee and workshop materials)

Please send your name, address, telephone number and cheque payable to Brock University, to:

Part Time Programs
Brock University
St. Catharines, Ontario
L2S 3A1

684-7201, ext. 477



Degree credit course offerings

Part time studies at Brock

This section introduces you to the degree credit courses offered to students during our winter evening, spring evening and summer day sessions. Through these sessions, 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 or summer sessions. Faculty teach all of our courses and can't possibly repeat every single subject. So, if you can't identify something of interest from our ample part time evening or summer 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. Courses like Chemistry and the environment. Classical archaeology, Creative writing, Human sexuality, The political culture of French Canada, Canadian nationalism, Music today, Drugs and behaviour, Issues in Canadian society and many, many more.

Admissions

Applicants for part time study must complete an *Application for admission to part time studies* form which is available from the Registrar's office. 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:

Mature students

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 certificate will normally be admitted to a year 1 program as mature students.

Special admission to undergraduate studies

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) students 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.

Senior citizens

Senior citizens 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.

Registration dates

Registration for all new and returning students will take place on the following dates:

Spring evening
Monday, April 30
3:30 pm to 6:30 pm
(for courses offered Monday and Wednesday)

Tuesday, May 1
3:30 pm to 6:30 pm
(for courses offered Tuesday and Thursday)

Note: Students registering in two courses must register on April 30.

Summer day
Tuesday, July 3
1 pm to 3 pm

Classes begin

Spring evening
Monday, April 30 and Tuesday, May 1

Summer day
Wednesday, July 4

Fees

Fee per course	\$158
Late registration fee	\$10

(chargeable to any student who registers after the official registration day)

For further information

Call or write the Registrar's office, Brock University, St. Catharines, Ontario, L2S 3A1, (416) 684-7201, ext. 262.

1979 Spring evening course offerings

Administrative Studies

ADMI 191a

Introduction to business

(formerly part of ADMI 190)

This course introduces the student to the basic concepts of organization, 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.

Lectures and seminar.

(Not open to students with ADMI 190 credit.)

Edds/Blawatt M, W 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.

Lectures and seminars.

(Not open to students with ADMI 190 credit.)

Edds/Blawatt M, W 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.

TBA M, W 7-10

ADMI 251a

Introduction to accounting I

(formerly part of ADMI 250)

An introduction to basic accounting principles and concepts; computation and measurement of income including preparation of the statement of earning, recognition of assets, liabilities and owners' equity; the preparation of the balance sheet and accounting for partnerships.

Lectures and tutorials.

(Not open to students with an ADMI 250 credit.)

Hanrahan, M, W 6-10

ADMI 252b

Introduction to accounting II

(formerly part of ADMI 250)

A continuation of ADMI 251a including accounting for corporations and an introduction to accounting for managerial decision-making.

Prerequisite: ADMI 251a.

Lectures and tutorials.

(Not open to students with ADMI 250 credit.)

Hanrahan M, W 6-10

ADMI 320

Public administration

(also offered as POLI 351)

A study of the theory and practice of public administration, with particular reference to Canada.

Lectures and seminars.

Siegel T, Th 7-10

ADMI 322a

Basic marketing

(formerly part of ADMI 321)

An introductory course in the principles of marketing, including marketing strategy based on target identification, product development, promotional mix, distribution channels and pricing policies.

Lectures and case discussions.

(Not open to students with ADMI 321 credit.)

Blawatt T, Th 7-10

ADMI 323b

Marketing and society

(formerly part of ADMI 321)

The examination of social responsibility in the market place: consumerism and its effects are contrasted with marketing strategy development, including truth in advertising, price regulation and competition legislation.

Prerequisite: ADMI 322hc.

Lectures and seminars.

(Not open to students with ADMI 321 credit.)

Blawatt T, Th 7-10

ADMI 340a

Organizational behavior I

(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.

Lectures and seminars.

(Not open to students with SOCI 296 credit.)

Freedman T, Th 7-10

ADMI 341b

Organizational behavior II

(also offered as SOCI 344hc)

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

Prerequisite: ADMI 340hc (SOCI 343hc).

Lectures, seminars and laboratories

(Not open to students with SOCI 296 credit.)

Freedman T, Th 7-10

ADMI 350

Intermediate financial accounting

A study of accounting procedures for dealing with basic business transactions such as: cash, banking, accounts receivable, inventories, long term investments, capital assets and depreciation, intangible assets, goodwill, current, accrued and contingent liabilities, long-term liabilities, share capital, retained earnings, and equity reserves, sales and other sources of revenue, expenses. Measurement of income and form of income from incomplete data. An introduction to cost accounting procedures including the development of variances and application of direct costing. Principles and practice of internal control.

Prerequisite: ADMI 251hc/252hc.

Felton T, Th 6:30-9:30

ADMI 351c

Management accounting

An examination of cost determination, planning, control and budgeting as they affect the internal management of the enterprise.

Prerequisite: ADMI 251hc/252hc.

Lectures, seminars and case discussions.

Felton W 6:30-9:30

1979 Spring evening course offerings

ADMI 391

Finance

The role of the chief financial officer of an organization in planning and control; financial ratios and funds flow analysis; analysis of financial results; control and management of the components of working capital; sources of capital for businesses as well as public and other non-profit organizations; theory and practice of selecting projects requiring funds, special financial problems of public institutions, multi-national organizations, mergers, consolidations, business failures and new business enterprises.

Prerequisite: ADMI 251hc/252hc and permission of the instructor.

Lectures and seminars.

Bart T, Th 7-10

ADMI 411a

Administration through EDP

Role of the user in an environment of computer-assisted systems. Control and audit of EDP systems and operations.

Lectures and seminars.

Edds T, Th 7-10

Will not be offered after summer 1979.

ADMI 463a

Labor relations

Labor organization 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).

Lectures and seminars.

Yarmoshuk T, Th 7-10

ADMI 465b

Conflict resolution

Issues relevant to the dynamics of bargaining and negotiations. Factors affecting successful reduction of conflict, components of the bargaining process, tangible and intangible issues, bargaining strategies.

Prerequisites: SOCI 296 or ADMI 340hc and ADMI 341hc (SOCI 343hc and SOCI 344hc).

Lectures and seminars.

Yarmoshuk T, Th 7-10

Biological Sciences

BIOL 371c

Ontario universities field biology course

In co-operation with Carleton, Queen's, and York universities, the department of Biological Sciences participates in a series of one- and two-week field courses at established field stations in Algonquin Park, the Gatineau Hills region and Lake Opinicon. Each course is a separate unit and may include students from all participating universities. Among the units offered are: ecology of bird reproduction, ecology of fish reproduction, ecology of aquatic plants, ecology of aquatic invertebrates, limnology, ecology of fishes, marsh ecology, ecology of litter fauna, terrestrial plant ecology, forest ecology, forest ecosystems, winter ecology. The number of units offered will vary from year to year, but those available will normally be scheduled in late August or early September. Two one-week or one two-week unit will constitute the equivalent of one half-course. Registrants will be expected to defray their own travel, subsistence and other expenses. Registration must be made by March 31 with R.D. Morris, M.D. Dickman or W.H. Cade.

Prerequisite: BIOL 203.

Dickman/Morris TBS

BIOL 372c

Ontario universities field ecology course

(see BIOL 371hc for course description.) May not be taken until BIOL 371hc has been completed.

Prerequisite: BIOL 203.

Dickman/Morris TBS

Chemistry

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 chairman.

Staff TBS

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 chairman.

Staff TBS

SCIE 120

Natural science, its growth and consequences

For the non-science major. In the first term this course traces the history and development of scientific thought. Special attention will be given to theories of heat, pressure and the atomistic theory. The second term will concentrate on the environmental impact, social consequences and implications for the future of modern applied science. Topics will include the power crisis, plastics and detergents, pesticides, drugs and food additives, waste disposal and pollution. The interaction of science with social structure on philosophical and political levels will be a consistent theme.

Lectures.

Brindle, Hiatt, Hartman T, Th 7-10

Classics

CLAS 196

Greek and Roman myths and religions

Theories of mythology; major myths and their expression in ancient literature; the role of myth in Greek and Roman thought. Stages of Greek and Roman religion, including the mysteries which influenced the early church fathers.

Booth M, W 7-10

CLAS 210a

Fifth-century Athens

A study of the economic and social background of Western civilization's most productive epoch, with emphasis on material evidence (vases, inscriptions, the Agora, etc.). Athenian realities, 500-400 B.C.: domestic life, public works, law and government, industry and trade, warfare, slavery.

Lectures and seminars.

Rupp T, Th 7-10

1979 Spring evening course offerings

CLAS 211b

Rome under the first Caesars

A study of economic and social conditions at the acme of Roman power, with emphasis on material evidence (coins, inscriptions, the Forum, etc.). Roman realities, 50 B.C.-70 A.D.: styles of living, law and government, work and recreation, industry and commerce, slavery.

Lectures and seminars.

Rupp T, Th 7-10

LATI 220

Augustan poetry

Readings in the *Aeneid* and the *Georgics* of Virgil, in the *Odes* of Horace and in the works of Ovid.

Lectures.

TBA M, W 7-10

Computer Science

COSC 230c

Data structures

Problem interpretation and relationship between data- and control-structure. The primitive data structures and their more common extensions. Strings: Markov algorithms, pattern matching. Linear structures; sequential and linked; stacks, queues and deques. Introduction to list-processing languages. Recursion in data. Non-linear structures: trees and other applications. Records, sorting and searching, hash coding. File structures, archiving and retrieval. Data structures for virtual memories; free lists; dynamic allocation of storage, program and data locality.

Prerequisite: COSC 195hc.

Lectures.

Hughes W 7-10

COSC 260c

Introductory operations research

(also listed as MATH 260hc)

Designed for students in administrative studies. Elements of decision theory; decision tree, utility, modeling of real problems. Decisions under constraints. Linear programming: examples, applications, simplex method. Optimization: pricing decisions, lot-size decision,

make-or-buy decisions. Parameter estimation: least-squares, maximum likelihood. Pure competition and the two-player zero-sum game: the minimax theorem. Elements of Markov chains.

Prerequisites: MATH 160hc, 197hc and 198hc.

Lectures and tutorials.

Muller Th 7-10

COSC 399c

Software project

In this course, the student will be involved in the development of a major software project under the supervision of a member of the department.

Prerequisite: COSC 230hc and preferably COSC 398hc.

Staff TBS

Drama

DRAM 193

Introduction to drama

A study of dramatic works ranging from folk drama to contemporary plays, with emphasis on plays illustrating the conventions operative in the theatre in each phase of its development.

Lectures and seminars.

Nunn T, Th 7-10

DRAM 220

Introduction to popular culture

(formerly DRAM 295)

A critical survey of the various media of popular culture, including a close study of a particular topic or genre as developed in the different media.

Lectures and seminars.

Grant T, Th 7-10

DRAM 309

Drama in education II

An advanced course specializing in drama as both a teaching method for all subjects in the school curriculum and as a subject in its own right. Areas such as: drama as a stimulus to reading and writing, drama with exceptional children (slow learner, gifted, mentally and physically handicapped), drama with pre-school children, socio-drama and role-playing will be covered. Students

will take part in workshops, research and write a paper in one of the areas mentioned above, plan a course curriculum and do practical work with a class of their choice.

Prerequisite: Drama 210 or equivalent (e.g. summer school drama, specialist course offered by the ministry of Education.)

Lectures and workshops.

Admission limited to sixteen students, to be determined by academic standing.

Morgan M, W 5-8

Economics

ECON 190

Principles of economics

An introduction to the study of economics. Topics covered include national product determination, price stability, unemployment, money and banking, international trade, and the theory of the firm.

Lectures and seminars.

Soroka T, Th 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 190

TBA T, Th 7-10

ECON 290a

Economic statistics

Economic models, probability and inference, hypotheses and testing, index numbers, least squares assumptions tests and transformations, times series analysis, correlation.

Note:

This course is not open to mathematics majors, or students who have taken or are taking Mathematics 292hc or 296.

Prerequisites: MATH 192, 193hc, or equivalent; ECON 190.

Lectures.

Chalcraft T, Th 7-10

1979 Spring evening course offerings

Education

EDUC 200

Curriculum theory and design

An examination of curriculum both as a conceptual scheme based on theories of learning and as a system of complex, human interactions in the school and community. Various designs for curriculum planning and associated instructional modes are also examined. Students are expected to design, implement and evaluate a curriculum plan.

Prerequisite: a course in educational or developmental psychology; or two years' classroom teaching; or permission of the instructor.

Lectures, seminars, and field work.

Wilson M, W 7-10

English

ENGL 191

Introduction to literature

Critical principles and the forms of literature, with a study of selected works from the 14th century to the 20th.

Lectures and seminars.

Crick T, Th 7-10

ENGL 230

Romantic literature

Poetry and imaginative prose from the 1780's to the 1830's.

Lectures and seminars.

Reecer M, W 7-10

ENGL 360

American literature to World War I

A study of the major writers, and of the themes and forces in American literature, from the puritans to the realists.

Lectures and seminars.

McKay T, Th 7-10

Extrdepartmental Studies

EXST 195

Young people's literature

The critical study of types of literature such as fairy tale, fable, romance, fantasy, adventure story, written for children and

adolescents. Students will also undertake projects in relation to their own literary or educational interests.

Lectures and seminars.

(Not open to students who have taken EXST 211.)

Green T, Th 7-10

EXST 202

Drawing

The student is introduced to sketching, still-life, life drawing, portraiture and landscape in a variety of media.

Prerequisite: EXST 201 or permission of the instructor.

Lectures and studio work.

TBA TBS

EXST 203

Painting

The development of painting skills; introduction to the theory of color; exposure to different techniques (brush, knife, etc.). A \$25 extra fee is charged for materials.

Prerequisite: EXST 201 or 202.

Lectures and studio work.

TBA TBS

Note: Either EXST 202 or EXST 203 (but not both) will be offered this session.

EXST 232

Indian literature - early and classical:

an introductory survey

(formerly EXST 230hc)

An introduction to the vast and rich area of Sanskrit literature — from the early Vedic origins, through the Epics and Puranas, to the full-fledged literary form of classical Sanskrit. In its survey of a period of about 2,500 years of creative literary endeavors of the Indian mind, the course highlights major landmarks in religio-philosophical, ethical, socio-political, scientific aspects, besides the purely literary.

Seminars.

(Not open to students who have taken EXST 230hc.)

Sinha T, Th 7-10

EXST 270

New Testament studies

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

Lectures and seminars.

Goicoechea T, Th 6:30-10

Geography

GEOG 203b

Principles of urban geography

Introduction to basic concepts and problems in urban geography; urbanization, the urban system, internal structure of the city and the spatial behavior of the urban resident.

Prerequisite: GEOG 192, or permission of the instructor.

Lectures and seminars.

Gayler, M, W 7-10

GEOG 204a

The atmospheric environment

An introductory study of the processes which lead to the distribution and characteristics of climates; climatic influences in the biosphere.

Prerequisite: GEOG 192, or permission of the instructor.

Lectures, seminars and laboratories.

Thompson M, W 7-10

GEOG 322hc

Principles of geomorphology

The role of sub-aerial processes in sculpturing the landscape. Predominant theories of landscape development.

Prerequisites: GEOG 205hc and 208hc, or permission of the instructor.

Lectures and laboratories.

Tinkler T, Th 6-10

GEOG 342a

The spatial foundations of urbanization: the European city

The foundations of urbanism in the western world. The changing expressions of form, function and location, illustrated by case studies of sequential city types from ancient and classical cities up to and including the industrial city.

Prerequisite: GEOG 203hc or HIST 190, or permission of the instructor.

1979 Spring evening course offerings

Lectures and seminars.

Jackson T, Th 6-10

Germanic and Slavic Studies

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.

TBA T, Th 7-10

RUSS 195

Culture and civilization

(given in English)

Analysis of the influence of religion, fine arts, philosophy and social conditions on Russian character and culture. Open also to non-majors.

Lectures.

TBA T, Th 7-10

History

HIST 190

Mediaeval Europe

An examination of the societies of Western Europe from the late Roman Empire, focused primarily on the period 1000-1500. The agriculture 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 and seminars.

Nau M, W 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 and seminars.

TBA T, Th 7-10

HIST 390

Russia, 1801-1953

An examination of modern Russian

history down to the death of Stalin, with emphasis on socio-economic developments in imperial Russia, the appearance and evolution of Russian revolutionary and oppositional movements, the revolutions of 1917, and the consolidation and rise of Soviet Russia.

Lectures and seminars.

Sanders M, W 7-10

Mathematics

MATH 160c

Mathematics for Administrative Studies

Elementary probability with finite sample spaces, counting theorems, notation and operations of set theory, applications of probability (independent events, binomial experiments, elements of decision theory, Bayes theorem); properties of the real number line, absolute values, solution sets of equalities and inequalities, elements of linear programming; arithmetic and geometric series, interest, annuities, bonds, mortgages, sinking funds; relations, functions, and graphing; polynomial, logarithmic, and exponential functions; introduction to linear algebra - systems of linear equations, vector and matrix notation, solution by elimination, determinants.

Prerequisite: permission of the instructor.

Lectures and tutorials.

Chang M 7-10

MATH 197c

Differential and integral methods

Designed for students of administrative studies, biological sciences, economics, urban and environmental studies and geological sciences.

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: year IV mathematics or permission of the instructor.

Exclusions: MATH 100, 193hc/194hc.

Lectures and tutorials.

Laywine W 7-10

MATH 198c

Basic statistical methods

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

Prerequisite: year IV mathematics or permission of the instructor.

Exclusions: MATH 192, 296.

Lectures and tutorials.

Doherty T 7-10

MATH 260c

Introductory operations research

Designed for students in administrative studies.

Elements of decision theory: decision tree, utility, modeling of real problems. Decisions under constraints. Linear programming: examples, applications, simplex method. Optimization: pricing decisions, lot-size decisions, make-or-buy decisions. Parameter estimation: least-squares, maximum likelihood. Pure competition and the two-player zero-sum game: the minimax theorem. Elements of Markov chains.

Prerequisite: MATH 160hc, 197hc and 198hc.

Lectures and tutorials.

Muller Th 7-10

MATH 296

Mathematics probability and statistics

Basic probability theory; simple stochastic processes; probability distributions; expectation, moments, generating functions; sums of random variables and limit theorems; sampling distributions; statistical models; point estimation, interval estimation and hypothesis testing with applications to samples from Normal, binomial and Poisson distributions; chi-square tests; non-parametric methods; bivariate Normal distribution and correlation analysis; simple linear, curvilinear, and multiple regression; experimental design and analysis of variance; sampling methods; decision theory and Bayesian estimation.

1979 Spring evening course offerings

Prerequisites: MATH 100 or 193hc/194hc.
Lectures.

Reed T, Th 7-10

Music

MUSI 150

History and literature of music (c. 1600-1950)

History of musical style through analysis of representative works from the late Renaissance to the twentieth century.

Lectures and listening assignments.

McGary M, W 6-9

MUSI 240

Electronic music I

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 in the electronic studio.

Ware T, Th 6-9

MUSI 391

Eighteenth century counterpoint

Counterpoint in two and three voices; canon, imitation and invertible counterpoint; analysis and writing of short two and three voice pieces; invention, fugue, trio sonata, chorale prelude, and variation forms.

Prerequisite: MUSI 290.

Lectures, seminars and laboratory; University singers.

Tremain T, Th 6-9

Philosophy

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 and seminars.

Nathan T, Th 7-10

PHIL 201

The history of Western philosophy: ancient philosophy

A study of basic themes — Being, nature, man, knowledge, the Good — and philosophical method, as found in selected texts from Thales to Plotinus.

Lectures.

Brown T, Th 7-10

PHIL 403

Critical study of a modern European philosophy

The topic of this course varies from year to year; this year, Scheler (443, SE) and Kant/Hegel (473, WD) will be considered.

Goicoechea M, W 6:30-9

Physical Education

PHED 203a

Movement seminar

The course is designed to give students a comprehensive understanding of the theory of movement. The theory of movement education will be examined as a content matter; a means for analyzing movement; a means for the individual to develop progression within his own motor performance. Practical application of the theory will be pursued through laboratory situations which deal with educational gymnastics.

Prerequisites: PHED 190 or permission of instructor.

Lectures and laboratories.

Wilson, M, T, W, Th 7-9

PHED 291a

Care and prevention of injuries in children

The course will deal with the prevention, recognition and treatment of injuries in children. Both first-aid and remedial treatment of injuries will be discussed. The interrelationship of anatomy, physiology and kinesiology and the practical application of knowledge of these fields will be applied in this area.

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

Lectures and laboratories.

Stewart M, T, W, Th 7-9

PHED 292b

Movement orientation through dance

Application of the principles of movement as they give variety and clarity of expression to creative and folk dance. Reference will be made to appropriate dance for children.

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

Lectures and laboratories.

TBA M, T, W, Th 7-9

PHED 293b

Community recreation programs for children

An elective course designed to 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 recreation with a view towards the development of specific community recreation programs.

Prerequisite: PHED 190 or permission of the instructor.

Lectures.

TBA T, Th 7-10

Politics

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 and seminars.

Dreifelds T, Th 7-10

POLI 220

International politics

The study of factors affecting relations among states, and of the means by which states define and pursue foreign policy objectives. Particular reference will be made to the foreign policies of the major powers and Canada.

Lectures and seminars.

Madar M, W 7-10

1979 Spring evening course offerings

POLI 242a

The government and politics of China
A study of political institutions and processes of the Chinese People's Republic.

Lectures and seminars.

Fic M, W 7-10

POLI 325a

Theories of international relations

A critical examination of international relations theory with emphasis on the nature of the international system and its relationship to the choices and actions of individual states.

Prerequisite: POLI 220, or permission of the instructor.

Seminar.

Dirks M, W 7-10

POLI 326a

International law

A study of principles of international law and their application in international politics.

Lectures and seminars.

Sewell T, Th 7-10

POLI 336b

Comparative federal parliamentary systems

An examination of the principles and interactions of the federal and parliamentary systems of government as illustrated in states such as Australia, West Germany, Switzerland, and India.

Prerequisites: POLI 215hc, or permission of the instructor.

Lectures and seminars.

Hull M, W 7-10

POLI 351

Public administration

(also offered as ADMI 320)

A study of theory and practice of public administration with particular reference to Canada.

Lectures and seminars.

Siegel T, Th 7-10

POLI 440b

Problems of communism

Through assigned reading, research design, and research paper the course explores problems in the field of communist studies.

Prerequisite: permission of the instructor.

Lectures, tutorials, seminars.

Fic M, W 7-10

POLI 490

Special tutorial

Directed intensive and individual study in an area in which a student has developed and displayed a particular interest, to be chosen in consultation with a faculty member able and willing to supervise that study. (Further information is available from the undergraduate officer.)

Staff TBS

POLI 491

Thesis project

The preparation and defense of a written thesis upon the study done in the special tutorial.

Prerequisites: approval of the project by the department. Politics 491 may not be taken simultaneously with Politics 490 except during winter day term.

Staff TBS

Psychology

PSYC 223

Research design

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

Lectures and tutorials.

Lordahl T, Th 7-10

PSYC 291

Perception

After grappling with some of the theoretical problems of seeing and hearing, the actual mechanisms are discussed. Once the basic problems of pattern recognition, memory, and attention have been discussed, the horizon will broaden to include the influence of culture, motivation, personality, and pathology on perception.

Lectures and seminars.

Tyson M, W 7-10

PSYC 300

Psychology of the exceptional child

An integration of theoretical, experimental and clinical approaches to the development of the child with special problems, i.e. the child who is mentally retarded, perceptually handicapped, etc. In a survey of current research on cognitive stimulation, attention will be given to the progress of the gifted child. Students will be encouraged to fulfill a prearranged practicum working with an atypical child. Field trips will be arranged.

Prerequisite: three PSYC courses beyond 190 or PSYC 210.

Lectures and seminars.

Johnston T, Th 7-10

PSYC 396

Psychology of interpersonal behavior

Social psychological theories and research on interpersonal attraction and interaction. Applications to personal and interpersonal problems and "helping" relationships. An intensive examination of prejudice.

Lectures and seminars.

Sadava M, W 7-10

PSYC 456a

The therapeutic relationship

The therapeutic relationship is a skills oriented laboratory which focuses on the relationship qualities which discriminate between constructive and destructive interactions. Applications to counselling psychotherapy and teaching are considered.

Jordan M, W 7-10

Romance Studies

FREN 190

Language and literature

Practice in speaking, reading and writing; self-expression through discussion. Background of French literature from Middle Ages to 20th century. Selected texts. Language laboratory.

Shayka M, W 7-10 + lab TBS

FREN 394

Literature, history as a literary genre

Historians and historical schools from the

1979 Spring evening course offerings

Middle Ages to the 20th century. Prescribed authors: Les Chroniqueurs, Historiens de 16e Siècle, Bossuet, Condorcet, Thierry, Michelet, Taine, Renan, L. Halphen, L. Febvre, M. Bloch.

Pujoll M, W 7-10

FREN 410

Language and literature of the Middle Ages

From the chansons de geste to the 15th century. Romans courtois, satire, history and theatre. Grammar and syntax of old French. Prescribed texts: Béroul (*Le Roman de Tristan*); (*Le Roman de Renart*); J. Bodel (*Le Jeu de Saint Nicholas*); Villon (*Poésies*).

Cardy M, W 7-10

ITAL 190

Language and literature

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

Language laboratory.

DeLuca T, Th 7-10 + lab TBS

ITAL 200

Language (intermediate)

Advanced grammar, intensive oral and written practice. Critical evaluation of modern plays. Translation.

Iozzo T, Th 7-10

SPAN 190

Language and literature

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

Language laboratory.

Gonzalez T, Th 7-10 + lab TBS

SPAN 240

Spanish-American culture and civilization

(given in English)

Survey of historical, social and political developments from pre-Columbian times to the present day. Selected texts, slides and tapes.

Hildebrandt M, W 7-10

Sociology

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 and laboratories.

This course is primarily for students who intend to major in sociology or another social science.

Tomovich M, W 7-10

SOCI 266c

Socialization

The development of shared meanings of symbols and commonly accepted forms of behavior. Sources of influence including parents, peers and television; studies of variations in patterns of socialization both within Canada and cross-nationally.

Lectures and seminars.

(Not open to students who have taken SOCI 271.)

Pardo M 7-10

SOCI 295b

Urbanism

(formerly SOCI 295)

The rise of cities, migration and urbanization; the ecology of city areas; the urban environment and social relations in cities; neighborhood perception, structure and interaction.

Lectures and seminars.

(Not open to students who have taken SOCI 295 or 370.)

Watson M, W 7-10

SOCI 298a

Society and learning

Academic aspirations, motivation and performance as related to cultural and social factors including socio-cultural background, youth sub-cultures, school structure and interpersonal relationships; incidental learning as a by-product of the system.

Lectures and seminars.

(Not open to students who have taken SOCI 291 or 320.)

TBA M, W 7-10

SOCI 343a

Organizational behavior I

(formerly part of SOCI 296)

(also listed 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 and seminars.

(Not open to students who have taken SOCI 296.)

Freedman T, Th 7-10

SOCI 344b

Organizational behavior II

(formerly part of SOCI 296)

(also listed 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.

Prerequisite: Sociology 343hc

Lectures and seminars.

Freedman T, Th 7-10

SOCI 399

Directed studies

Individual reading and/or research undertaken at the student's initiative under the guidance of an instructor of the student's choice in an area of inquiry in which faculty expertise exists and in which a course at the appropriate level is not available.

Staff TBS

Urban and Environmental Studies

UEST 495

Seminar in urban and environmental policy planning

Research seminar on selected topics in urban and environmental policy chosen

1979 Spring evening course offerings

in conjunction with Institute faculty members.

Prerequisites: Completion of year 3 as a combined major in Urban and Environmental Studies, or permission of the instructors.

Seminar.

Hoover/Berkes TBS

Legend

TBA — instructor to be announced

TBS — to be scheduled, see department

hc — half course

a — half course, first half of session:
April 30 to June 1

b — half course, second half of session:
June 4 to July 5

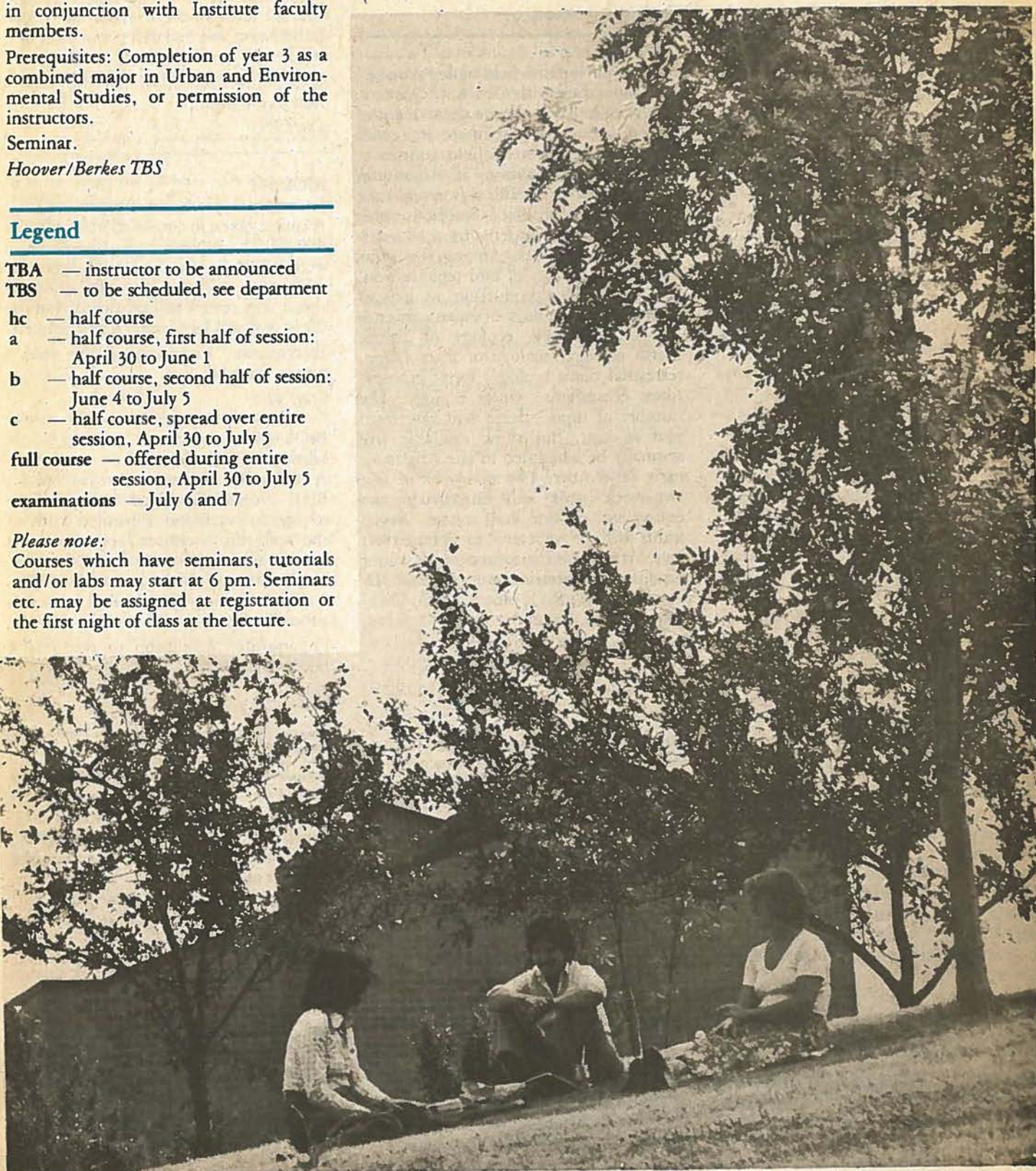
c — half course, spread over entire
session, April 30 to July 5

full course — offered during entire
session, April 30 to July 5

examinations — July 6 and 7

Please note:

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



1979 Summer day course offerings

Administrative Studies

ADMI 251a

Introduction to accounting I (formerly part of ADMI 250)

An introduction to basic accounting principles and concepts; computation and measurement of income including preparation of the statement of earning, recognition of assets, liabilities and owners' equity; the preparation of the balance sheet and accounting for partnerships.

Lectures and tutorials.

(Not open to students with an ADMI 250 credit.)

Engert M-F 8-10

ADMI 252b

Introduction to accounting II (formerly part of ADMI 250)

A continuation of ADMI 251hc including accounting for corporations and an introduction to accounting for managerial decision-making.

Prerequisite: ADMI 251hc

Lectures and tutorials.

(Not open to students with ADMI 250 credit.)

Engert M-F 8-10

ADMI 391 finance

The role of the chief financial officer of an organization in planning and control; financial ratios and funds flow analysis; analysis of financial results; control and management of the components of working capital; sources of capital for businesses as well as public and other non-profit organizations; theory and practice of selecting projects requiring funds, special financial problems of public institutions, multi-national organizations, mergers, consolidations, business failures and new business enterprises.

Prerequisites: ADMI 251hc/252hc and permission of the instructor.

Lectures and seminars.

Welch M-F 10:30-12:30

Biological Sciences

BIOL 371c

Ontario universities field biology course

In co-operation with Carleton, Queen's, and York universities, the department of Biological Sciences participates in a series of one- and two-week field courses at established field stations in Algonquin Park, the Gatineau Hills region and Lake Opinicon. Each course is a separate unit and may include students from all participating universities. Among the units offered are: ecology of bird reproduction, ecology of fish reproduction, ecology of aquatic plants, ecology of aquatic invertebrates, limnology, ecology of fishes, marsh ecology, ecology of litter fauna, terrestrial plant ecology, forest ecology, forest ecosystems, winter ecology. The number of units offered will vary from year to year, but those available will normally be scheduled in late August or early September. Two one-week or one two-week unit will constitute the equivalent of one half-course. Registrants will be expected to defray their own travel, subsistence and other expenses. Registration must be made by March 31 with R.D. Morris, M.D. Dickman or W.H. Cade.

Prerequisite: BIOL 203.

Dickman / Morris TBS

BIOL 372c

Ontario universities field ecology course (see BIOL 371hc for course description.) May not be taken until BIOL 371hc has been completed.

Prerequisite: BIOL 203.

Dickman / Morris TBS

BIOL 490

BSc (honors) thesis

A course taken in conjunction with BIOL 491. Each student will undertake a limited research project involving field or laboratory study under faculty supervision. Students electing to pursue studies on non-laboratory ecological projects will be permitted to initiate their programs during the summer preceding registration in year 4, but may not include data or observations obtained as

a consequence of participation in field courses such as BIOL 370hc or 371hc. Submission and oral defence of a thesis is required.

Prerequisite: admission to the year 4 honors program.

Staff TBS

BIOL 491

Literature research and seminar

A course taken in conjunction with BIOL 490. Each student will undertake a detailed study of the scientific literature relevant to the topic of the BSc (honors) thesis. The review will be included in the thesis and will be presented as a seminar.

Prerequisite: admission to the year 4 honors program.

Staff TBS

BIOL 492

Library research project

A course for students not registered for BIOL 490 and 491. Each student will be required to carry out a detailed study of the scientific literature pertinent to a specific topic under faculty supervision. The results of this study will be presented in a major essay, and presented as a formal seminar.

Prerequisite: Admission to the year 4 honors program.

Staff TBS

Chemistry

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 chairman.

Staff TBS

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 chairman.

Staff TBS

1979 Summer day course offerings

Classics

CLAS 475
Archaeological practicum in Cyprus.
TBA TBS

Computer Science

COSC 399hc
Software project
In this course, the student will be involved in the development of a major software project under the supervision of a member of the department.
Prerequisite: COSC 230hc and preferably COSC 398hc.
Staff TBS

Economics

ECON 203
Intermediate economic theory
This course represents a theoretical approach to economic problems at the intermediate level. The principal topics covered are microeconomics (theories of consumption, production and distribution) and macroeconomics (national accounts, the level of economic activity, inflation, economic growth and international adjustment problems).
Prerequisite: ECON 190.
Lectures.
TBA M-F 10:30-12:30

ECON 301
International economics
Theory of international trade, balance of payments, exchange rates, commercial policy, international liquidity, trading blocs and international trade and monetary institutions.
Prerequisites: ECON 201 or 203.
Lectures.
TBA M-F 1-3

Education

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 alternative 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 and seminars.
Richards M-F 10:30-12:30

English

ENGL 221
The sixteenth century
Prose and non-dramatic poetry with special emphasis on the writings of Spenser, Sidney and Shakespeare.
Lectures and seminars.
Coggins M-F 10:30-12:30

ENGL 291
Canadian literature in English
Emphasis on poetry and fiction. Chronicles and journalistic, philosophical and political works, examined as individual works of art and as patterns of Canadian experience.
Lectures and seminars.
Stouck M-F 3:30-5:30

Extrdepartmental Studies

EXST 190
Comparative religions
A study of the world's major religions; their founders, teachings, scriptures, rituals and development.
Lectures and seminars.
TBA M-F 3:30-5:30

Geography

GEOG 301a
Surveying
Introduction to the principles and techniques of plane surveying.
Prerequisite: GEOG 207hc, or permission of the instructor.

Lectures, laboratory, field work.
Hughes M-F 10:30-12:30, + lab 2-5 alternate days

GEOG 360b
Introduction to transportation
A survey of some geographical aspects of transportation with particular emphasis on the bases for spatial interaction, networks and flows, the development of transport systems and their role in economic geography. Special emphasis on Canada.

Prerequisites: GEOG 202hc and 208hc or permission of the instructor.
Lectures and seminars.
Lamarche M-F 8-10

Geology

GEOG 190
Introduction to geology
The principles of geological thought; 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 life styles.

Lectures laboratories and local field trips.
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.

Grant M-F 10:30-12:30 + lab 1-3

Germanic and Slavic Studies

GERM 195
Culture and civilization of Central Europe (given in English)
Survey of historical, social, philosophical and cultural factors fundamental to an understanding of German and European thought and literature. Ample use is made of slides, films, recordings.

Open also to non-majors.
Lectures.
Schutz M-F 8-10

1979 Summer day course offerings

Mathematics

MATH 150

Introductory mathematics

Sets, relations, functions, binary operations, basic algebraic structures, real and complex numbers. Basic algebraic analysis; quadratic and rational function graphs; theory of equations; indices and logarithms; ratio and proportion problems; binomial theorem. Trigonometry: definitions, graphs, identities, addition formulae. Optional topics: matrices and transformations; permutations, combinations. Revision of topics in Euclidean geometry. Elements of analytic geometry and vector algebra; applications in geometry.

Prerequisite: Grade 11 mathematics. (May not be taken after any other mathematics course except MATH 192.)

Lectures and tutorials.

Srivastava M-F 10:30-12:30

Music

MUSI 374

Music for the classroom teacher II

Theory; choral repertoire; methodology and philosophy; creative music.

Prerequisite: MUSI 274 or permission of the department.

Lectures and laboratories.

Staff M-F 3:30-5:30

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 and seminars.

Malone M-F 1-3

PHIL 192

Eastern philosophy: an introduction

In a survey of classical Indian thought, from its early beginnings, the course focuses on the principal world-views: the universal Self of the Upanishads, the Buddhist nirvana, Sankhya dualism of

Purusha and Prakriti, the self-culture of Yoga, the logical realism of Nyaya-Vaisheshika, etc.; contemporary Indian thought is to be considered.

Lectures and seminars.

Brown M-F 8-10

PHIL 211

The philosophy of education

Education, its goals and practices in various cultures is discussed, along with modern criticisms of our present system.

Mayer M-F 3:30-5:30

Physical Education

PHED 300b

Movement orientation through children's games, level II

A continuation of the study of games for children. Emphasis will be on analysis, motor skill development and strategies in games appropriate for children ages 10 to 14. An 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 instructor.

Lectures and laboratories.

TBA M-F 1-4

PHED 304a

Physical education for the exceptional child

A course designed for students who are interested in working with exceptional children. Emphasis is placed on understanding the major handicapping conditions found in children as well as understanding the gifted child. Programming procedures and practical work with exceptional children will be included.

Prerequisite: PHED 190 or permission of instructor.

Lectures and seminars.

TBA M-F 1-4

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 and seminars.

TBA M-F 8-10

POLI 334a

Political parties

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

Lectures and seminars.

Chapman M-F 10:30-12:30

POLI 335b

Pressure groups

The study of functions and structures of pressure groups and pressure groups systems.

Lectures and seminars.

Chapman M-F 10:30-12:30

POLI 490

Special tutorial

Directed intensive and individual study in an area in which a student has developed and displayed a particular interest, to be chosen in consultation with a faculty member able and willing to supervise that study. (Further information is available from the undergraduate officer.)

Staff TBS

POLI 491

Thesis project

The preparation and defense of a written thesis upon the study done in the special tutorial.

Prerequisites: approval of the project by the department. Politics 491 may not be taken simultaneously with Politics 490 except during the winter day term.

Staff TBS

Psychology

PSYC 210

Child psychology

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

1979 Summer day course offerings

development.

Lectures and seminars.

Jordan M-F 1-3

PSYC 235

Motivation

Principles of change of activity; topics discussed include hunger, pain, sex, intrinsic motivation, incentive, reinforcement, play-curiosity, pleasure-aesthetics.

Lectures and seminars.

Lavery M-F 10:30-12:30

PSYC 299

Drugs and behavior

Definition and classification of drugs, theories of the mechanism of action of drugs, methods of studying the behavioral effects of drugs, addiction and drug abuse. In addition, selected classes of drugs will be discussed in detail in terms of their effects on behavior, for example, anaesthetics, analgetics, "memory" drugs, vitamins, etc.

Lectures and seminars.

Glavin M-F 8-10

Romance Studies

FREN 180

Practical language

Basic skills of written and oral expression. Emphasis on communication for general purposes. Selected texts. Language laboratory.

Bucknall M-F 10:30-12:30 + lab TBS

ITAL 100

Language (introductory)

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

Language laboratory.

Federici M-F 1-3 + lab TBS

SPAN 100

Language (introductory)

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

Fernandez M-F 8-10 + lab TBS

SPAN 210

Spanish-American literature

Chronological coverage from early times to the present day. Anthology readings.

Hildebrandt M-F 8-10

Sociology

SOCI 292b

Conformity and deviance

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

Lectures and seminars.

(Not open to students who have taken SOCI 261 or 292.)

Tomovich M-F 1-3

SOCI 293a

Delinquency and crime

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 and seminars.

(Not open to students who have taken SOCI 261 or 292.)

Tomovich M-F 1-3

SOCI 399

Directed studies

Individual reading and/or research undertaken at the student's initiative under the guidance of an instructor of the student's choice in an area of inquiry in which faculty expertise exists and in which a course at the appropriate level is not available.

Staff TBS

Legend

TBA	— instructor to be announced
TBS	— to be scheduled; see department
hc	— half course
a	— half course, first half of session: July 4 to July 24
b	— half course, second half of session: July 25 to August 14
c	— half course, spread over entire session: July 4 to August 14
full course	— offered during entire session: July 4 to August 14

Examinations: August 15, 16 and 17.



1979/80 Tentative winter evening course offerings

Administrative Studies

191a	Introduction to business	<i>Blawatt</i>
192b	Introduction to management	<i>Blawatt</i>
194b	Computing for managers	<i>Cohen</i>
240a	Commercial law	<i>TBA</i>
251a	Introductory accounting I	<i>Hanrahan</i>
251b	Introductory accounting I	<i>TBA</i>
252b	Introductory accounting II	<i>TBA</i>
322b	Basic marketing	<i>Blawatt</i>
323a	Marketing and society	<i>Rotenberg</i>
330a	Production management	<i>TBA</i>
340a	Organizational behavior I	<i>Freedman</i>
341b	Organizational behavior II	<i>Yarmoshuk</i>
350	Intermediate financial accounting	<i>Engert</i>
353a	Introduction to external auditing	<i>TBA</i>
354b	Advanced auditing	<i>TBA</i>
390	Operations research	<i>Mayberry</i>
391	Finance	<i>Welch</i>
404b	Investment analysis	<i>TBA</i>
425a	Marketing management	<i>Blawatt</i>
426b	Sales management	<i>Rotenberg</i>
451a	Canadian income tax	<i>Wray</i>
452b	Advanced accounting problems	<i>Hanrahan</i>
463a	Labor relations	<i>Yarmoshuk</i>
465a	Conflict resolution	<i>Yarmoshuk</i>
467b	Training in organizations	<i>Yarmoshuk</i>
468b	Leadership in organizations	<i>Freedman</i>

Biological Sciences

125	Biology and man	<i>Houston/Hickey</i>
190	Contemporary issues in biology	<i>Ursino/Bown/Morris</i>
201	Principles of molecular and cellular biology	<i>Nicholls/Rossant/Bown</i>
332	Agricultural botany	<i>Ursino/TBA</i>

Chemistry

190	Introduction to modern chemistry	<i>Richardson/Gibson</i>
392a	Industrial chemistry I	<i>Hartman/Richardson/Miller</i>
393b	Industrial chemistry II	<i>Hartman/Richardson/Miller</i>
490	Research project	<i>Staff</i>
491	Thesis	<i>Staff</i>

Child Studies

340	Observational research	<i>TBA</i>
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Classics

190	Classical civilization	<i>Soady</i>
290	Greek history	<i>Robertson</i>
292	Greek and Roman epic poetry	<i>Robertson</i>
293a	Field archaeology	<i>Rupp</i>
297b	Classical archaeology	<i>Rupp</i>
391a	Greek and Roman dialogue and dialectic	<i>Soady</i>
392b	Greek and Roman satire and the novel	<i>Soady</i>
397a	Greek sanctuaries	<i>Rupp</i>
398b	The art and archaeology of Cyprus	<i>Rupp</i>

GREE Language
100 (introductory) *Casler*

GREE Language and
200 literature *Casler*

LATI Language
100 (introductory) *Boyd*

LATI Language and
200 literature *Boyd*

Computer Science

150a	Computers in society	<i>Cohen/Hughes</i>
193a	FORTAN programming and SPSS	<i>Thomas</i>
194b	Computing for managers	<i>Cohen</i>
195b	Structured programming	<i>Cohen/Hughes</i>
230a	Data structures	<i>Skilton</i>
260b	Introductory operations research	<i>Auer</i>
342b	Database management systems	<i>Thomas</i>
380a	Introduction to computer graphics	<i>Thomas</i>
390	Operations research	<i>Mayberry</i>
472a	Introduction to artificial intelligence	<i>Skilton</i>
473b	Intermediate artificial intelligence	<i>Skilton</i>

Drama and Film Studies

204	Screen education	<i>Grant</i>
210	Drama in education	<i>Morgan</i>
220	Introduction to popular culture	<i>Grant</i>
491	Playwriting	<i>TBA</i>

Economics

190	Principles of economics	<i>Soroka</i>
202	Macroeconomics	<i>Masse</i>
203	Intermediate economic theory	<i>TBA</i>
306	Industrial organization	<i>TBA</i>
403	Operations research	<i>Mayberry</i>

1979/80 Tentative winter evening course offerings

Education

- 200 Curriculum theory and design *Wilson*

English

- 191 Introduction *Crick*
221 The 16th century
321 Milton and the 17th century *TBA*
392 Anglo-Saxon *Somerville*

Extrdepartmental Studies

- 102 Introduction to the civilizations of Asia *Fic*
191 History of fine arts *Osterbind*
195 Young people's literature *Green*
202 Drawing *TBA*
or
203 Painting *TBA*
290 Human sexuality *TBA*

Geography

- 192 Geography and the environment *Thomson*
202b Principles of economic geography *McNeil*
205a The earth's natural landscape *Menzies*
314a Climate of Canada *Thompson*
343b Spatial foundations of urbanization: the Canadian city *Jackson*

Geological Sciences

- 190 Introduction to geology *Grant*

Germanic and Slavic Studies

- Language
100 (introductory) *TBA*
Language and
190 literature *Owen*

- 195 Culture and civilization of Central Europe *Schutz*
210 The image of the individual in the emerging city state *Michelsen*

- RUSSLiterary evolution
211 in Russia *Reial*
RUSSContinuity and
410 contradiction in Soviet Russian literature *Frankel*

History

- 190 Mediaeval Europe *Nau*
191 Modern Europe and North America *Drake/Wolff*
233a Reformation Europe 1460-1600 *Arthur*
234b Europe during the Iron Century 1600-1715 *Arthur*
341a France from the Revolution to 1847 *Sutherland*
342b France from the Second Republic to 1914 *Sutherland*
374a Canada, a land of immigrants *Turner*
385 Power in America *Hanyan*
398b French Canada *Dirks*
412a Post-Confederation Canada *Dirks*
435b Problems in European social and political history *Sanders*
490 Honors research paper *Department*
491hc Selected historical problems I *Department*
492b Selected historical problems II *Department*

Mathematics

- 160a Mathematics for Administrative Studies and Economics *Headley*

- 191 Mathematics for intermediate school teachers *Muller/Auer/Laywine*

- 192 Introductory statistics *TBA*

- 197b Differential and integral methods *Doherty*

- 198a Basic statistical methods *Doherty*

- 199a FORTRAN programming and SPSS *Thomas*

- 260b Introductory operations research *Auer*

- 295 Further calculus for science students *Kerman*

- 390 Operations research *Mayberry*

Music

- 100 Music today *Mancuso*
182/ University Chamber *Tremain*
282/ Choir
382/ Years I, II, III
250 History and literature of music (Baroque and Classical periods) *McGary*
340 Electronic music II *Ware*
491 16th century counter-point *Ware*

Philosophy

- 190 Introduction to philosophy *Malone*
191 Social philosophy *Mayer/Hansen*
201 History of Western philosophy: ancient philosophy *Goicoechea*
204 Indian thought *Brown*
206 Introduction to existentialism *Goicoechea*
307 Aesthetics *Adamczewski/Goicoechea*
311 Religion and philosophy *Nota/Mayer*

1979/80 Tentative winter evening course offerings

Physical education

190	Physical activity and man	<i>Lowenberger/Davis</i>
202b	Psycho-social growth and development	<i>Wilson</i>
205	Motor learning and motor behavior	<i>TBA</i>

Physics

ASTR 100	Introduction to astronomy	<i>Kidson/Plint/Koffyberg/Moore</i>
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Politics

190	Introduction to politics	<i>Matheson</i>
200	Political philosophy	<i>TBA</i>
215a	The government and politics of the United Kingdom	<i>Hull</i>
216b	The government and politics of the U.S.A.	<i>Madar</i>
315a	The political culture of English Canada	<i>Anderson</i>
316b	The political culture of French Canada	<i>Matheson</i>
350	Urban politics and administration	<i>Church</i>
412a	Public policy formulation in Canada	<i>Anderson</i>
413a	Canadian political problems	<i>Dirks</i>
435b	Selected problems in comparative politics	<i>Hull</i>
461b	Comparative politics of Southeast Asia	<i>Fic</i>
490	Special tutorial	<i>Staff</i>
491	Thesis project	<i>Staff</i>

Psychology

225	Dynamics of personality	<i>TBA</i>
230	An introduction to social psychology	<i>Sadava</i>
290	Cognition	<i>Benjafield</i>
298	Physiological psychology	<i>Ogilvie</i>
330	Tests and measurements	<i>Pomeroy</i>
403	Advanced seminar in learning, thinking, cognition and consciousness	<i>Hunt</i>

Romance Studies

FREN 200	Language (intermediate)	<i>Rosmarin</i>
FREN 216	Introduction to the French Canadian novel	<i>McEwen</i>
FREN 230	French culture and civilization	<i>TBA</i>
FREN 391	Literature, 20th century	<i>Bucknall</i>
ITAL 100	Language (introductory)	<i>De Luca</i>
ITAL 190	Language and literature	<i>Iozzo</i>
ITAL 230	Culture and civilization	<i>Federici</i>
SPAN 100	Language (introductory)	<i>Fernandez</i>
SPAN 190	Language and literature	<i>Gonzalez</i>
SPAN 230	Spanish culture and civilization	<i>Hildebrandt</i>

Sociology

191	Issues in Canadian society	<i>Pardo</i>
220	Theories in social relations	<i>Ward</i>
230	Research methods in social relations	<i>Watson</i>
292b	Conformity and deviance	<i>Tomovich</i>

293a	Delinquency and crime	<i>Tomovich</i>
303a	Psychiatric sociology	<i>Ward</i>
304b	Medical sociology	<i>Ward</i>
343a	Organizational behavior I	<i>Freedman</i>
344b	Organizational behavior II	<i>Yarmoshuk</i>
390	Advanced social theory and methodology	<i>TBA</i>
421	History of social scientific thought	<i>Pertman</i>
431	Data analysis	<i>TBA</i>
490	Thesis seminar	<i>TBA</i>

Urban and Environmental Studies

190	Canadian urban and environmental issues	<i>Beltrano/Banfield</i>
296	Planned change, urban systems analysis	<i>Hoover</i>
325b	Pollution: effects and consequences	<i>TBA</i>
352a	Policy planning research methods	<i>Beltrano</i>
396	Interdisciplinary perspectives in urban and environmental studies	<i>Berkes/Beltrano</i>

Off-campus teaching centres

Off-campus teaching centres

While classes usually meet on the main campus, more and more off-campus teaching centres are being opened in neighborhood locations close to your home or business. The University is pleased at the response given to its efforts to bring its resources to the community.

The following courses will be offered off-campus during the 1979/80 winter evening session.

Dunnville, St. Paul's Anglican Church
Humanities: Culture and Civilization of Central Europe
(given in English)

Survey of historical, social, philosophical and cultural factors fundamental to an understanding of German and European thought and literature. Ample use is made of slides, films, recordings. Open also to non-majors.

Lectures, 3 hours per week.

(Note: Students will register for this course under German 195)

Schutz, TBS

Fort Erie Secondary School
History 190
Mediaeval Europe

An examination of the societies of Western Europe from the late Roman Empire, focused primarily on the period 1000-1500. 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, seminars, 3 hours per week.

Nau, TBS

Grimsby public library
Geography 192

Geography and the environment

A course dealing with current issues in the physical and human environment of concern to geography. The aim is to demonstrate the practical application of general principles. Although pertinent examples at a world scale will be presented the emphasis will be on the Cana-

dian situation at local, regional, and national levels.

Lectures, seminars, 4 hours per week.

Tinkler, TBS

Niagara Falls public library
Sociology 191

Issues in Canadian society

Introduction to concepts, theories and research perspectives in sociology, anthropology and social psychology as applied to the analysis of major issues in Canadian society. Substantive topics will include such issues as ethnic group relations, Canadian identity, social stratification and rural and urban problems.

Lectures, seminars, 3 hours per week.

(Not open to students who have taken or are taking another introductory course in sociology including SOCI 120, SOCI 190 or SOCI 246.)

Pardo, TBS

Niagara Falls Collegiate and Vocational Institute
Philosophy 201

The history of Western philosophy: ancient philosophy

A study of basic themes — Being, nature, man, knowledge, the Good — and philosophical method, as found in selected texts from Thales to Plotinus.

Lectures, 3 hours per week.

Goicoechea, TBS

Niagara-on-the-Lake public library
Politics 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, seminars, 3 hours per week.

Matheson, TBS

St. Catharines Centennial Library
Drama 220

Introduction to popular culture

A critical survey of the various media of popular culture, including a close study of a particular topic or genre as deve-

loped in the different media.

Lectures, seminars, 4 hours per week.

Grant, TBS during the day

St. Catharines, Grantham United Church
Extrdepartmental Studies 195

Young people's literature

The critical study of types of literature such as fairy tale, fable, romance, fantasy, adventure story, written for children and adolescents. Students will also undertake projects in relation to their own literary or educational interests.

Lectures, seminars, 3 hours per week.

(Not open to students who have taken EXST 211.)

Green, TBS during the day

Welland public library
Philosophy 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, seminars, 3 hours per week.

Malone, TBS

Welland public library
Sociology 292hc

Conformity and deviance

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

Lectures, seminars, 3 hours per week.

(Not open to students who have taken SOCI 261 or 292.)

Tomovich TBS

Welland public library
Sociology 293hc

Delinquency and crime

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, seminars, 3 hours per week.

(Not open to students who have taken SOCI 261 or 292.)

Tomovich TBS

1980 Tentative spring evening session course offerings

Planning ahead to 1980

To assist part time students in their long-term program planning the University has prepared a list of courses which each department intends to offer in the 1980 spring evening and summer day 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. Those departments not listed are unable at present to make firm commitments regarding 1980 course offerings.

Administrative Studies

- 191a Introduction to business
- 192b Introduction to management
- 230b Computing for managers
- 240a Commercial law
- 251a Introduction to accounting I
- 252b Introduction to accounting II
- 322a Basic marketing
- 323b Marketing and society
- 340a Organizational behavior I
- 341b Organizational behavior II
- 350 Intermediate financial accounting
- 391 Finance
- 466a Control, reward and motivation
- 469b Personnel selection and placement

Biological Sciences

- 371hc Ontario universities field biology course
- 372hc Ontario universities field ecology course

Chemistry

- 490 Research project
- 491 Thesis

Classics

- 190 Classical civilization
- 430 Roman law
- LATI
- 210 Literature of the Republic

Computer Science

- 230 Data structures

Drama

- 204 Screen education
- 311 Theatre in education
- 392 Eighteenth and nineteenth century drama

Economics

- 202 Macroeconomics
- 203 Intermediate economic theory
- 304 Public finance

Education

- 301 The process of teaching

English

- 191 Introduction
- 260 Modern American literature
- 299 English area studies: topic TBA
- 321 Milton and the seventeenth century

Extrdepartmental Studies

- 102 Introduction to the civilization of Asia
- 191 History of fine arts
- 201 Two and three dimensional design
- 260 Old Testament studies

Geography

- 207a Cartography
- 208b Quantitative methods I
- 376a Introduction to regional analysis
- 384b Political geography

Germanic and Slavic Studies

- 100 Language (introductory)
- 195 Culture and civilization of Central Europe

History

- 190 Mediaeval Europe
- 297 The United States in the nineteenth century
- 322 The first industrial nation

Mathematics

- 160hc Mathematics for Administrative Studies and Economics
- 197hc Differential and integral methods
- 198hc Basic statistical methods
- 210 Linear algebra
- 260hc Introductory operations research

Music

- 274 Music for the classroom teacher I
- 350 History and literature of music (Romantic period and the twentieth century)
- 395 Special topics: form and analysis

Philosophy

- 205 Ethics
- 211 Philosophy of education
- 301 Critical study of a Classical philosophy

School of Physical Education

- 200hc Movement orientation through children's games level I
- 204hc Scientific basis of physical education
- 291hc Care and prevention of injuries in children
- 340 Health education
- 393hc Educational gymnastics

Politics

- 190 Introduction to politics
- 215hc The government and politics of the United Kingdom
- 216hc The government and politics of the United States

1980 Tentative spring evening session course offerings

315hc	The political culture of English Canada
316hc	The political culture of French Canada
351	Public administration
490	Special tutorial
491	Thesis project

Psychology

225	Dynamics of personality
230	An introduction to social psychology
293	History and systems
299	Drugs and behavior
335	Learning

Romance Studies

FREN	
100	Language (introductory)
FREN	
426	French-Canadian poetry and theatre
ITAL	
190	Language and literature
ITAL	
200	Language (intermediate)
SPAN	
190	Language and literature

Urban and Environmental Studies

495	Seminar in urban and environmental policy
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1980 Tentative summer day course offerings

Administrative Studies

- 191a Introduction to business
- 192b Introduction to management
- 251a Introduction to accounting I
- 252b Introduction to accounting II

Biological Sciences

- 371hc Ontario universities field biology course
- 372hc Ontario universities field ecology course
- 490 BSc (honors) thesis
- 491 Literature research and seminar
- 492 Library research project

Chemistry

- 490 Research project
- 491 Thesis

Classics

- 470 Archaeological practicum in Cyprus

Computer Science

- 399hc Software project

Drama

- 392 Eighteenth and nineteenth century drama

Economics

- 190 Principles of economics
- 295 Canadian economic policy

Education

- 200 Curriculum theory and design
- 350 Focus on early childhood education

English

- 230 Romantic literature
- 342 Modern poetry

Geography

- 330a Geography of vegetation
- 370b The location of industry

Geological Sciences

- 190 Introduction to geology

Mathematics

- 150 Introductory mathematics
- 191 Mathematics for intermediate school teachers

Philosophy

- 190 Introduction to philosophy
- 191 Social philosophy
- 403 Critical study of a modern European philosophy

School of Physical Education

- 302 Movement orientation to physical education
- 392hc Physical education for the handicapped child
- 394hc Personalized physical education

Politics

- 212 The government and politics of Canada
- 220 International politics
- 490 Special tutorial
- 491 Thesis project

Psychology

- 320 Psychopathology
- 350 Stress and emotion
- 403 Advanced seminar in learning thinking, cognition and consciousness

Romance Studies

- FREN 180 Practical language
- ITAL 100 Language (introductory)
- SPAN 100 Language (introductory)
- 230 Spanish culture and civilization

Urban and Environmental Studies

- 296 Planned change, urban systems analysis



Professional and individual exploration (PIE) *

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

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

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

Facilitator profiles

James Gram, PhD

James is an associate professor in the College of Education, Brock University. While his main teaching area is educational administration, he is also interested in organizational behavior, problem solving and interpersonal relations, and techniques for generating creative ideas.

David Jordan, PhD

A clinical psychologist, currently associate professor and director of counselling at Brock. Special interests are encounter groups, Gestalt therapy, systematic training in interpersonal skills, and group leadership development.

Joan McCurdy, MEd

A counsellor in Brock's Counselling Centre, her special interests are in group dynamics, assertive training, the learning process, and personal growth in groups.

Les Myers, BA

An advanced doctoral candidate in counselling psychology at OISE (University of Toronto) currently interning at the Counselling Centre, his special interests are humanistic approaches to psychotherapy, hypnosis, humor and laughter, interpersonal skills development, and groups as agents of change.

Ed Pomeroy, PhD

Ed Pomeroy is an associate professor in psychology at Brock. His interests range from individual psychotherapy to mind-body relations as expressed in a variety of psychological theories.

Karen Zanutto, MA

A counsellor at the University's Counselling Centre, her special interests are in organization development, supervisory skills, group dynamics, assertive training and learning styles.

Application procedure

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 at the end of 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 Brock University Counselling centre, 684-7201, ext. 233.

Programs

PIE-93-112

Chautauqua

Chautauqua* is a series of one-evening sessions addressing a wide variety of topics in the areas of professional and personal development. Many sessions preview an upcoming PIE program. A range of didactic and experiential methods will be used. All sessions are held on Wednesday 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

One session, \$5

Couples communication

An experiential introduction to direct communication for intimate couples.

Karen Zanutto, David Jordan

Date: April 11, 7 to 10 pm.

Mind body relationships

A gentle but active participation session to explore relations between bodily states and mental activity. Bio-energetics, calisthenics, and jogging will be considered.

Ed Pomeroy

Date: May 9, 7 to 10 pm.

PIE-93-109

Creative problem solving

This workshop will use some real-world problems on which participants can practise creative thinking skills. You will get some understanding and practice in mental skills such as suspended judgment and divergent thinking. You will also learn about and apply modern techniques for idea generation such as word play, attribute listing and forced association. You will begin the development of one of the most valued skills needed in a time of rapid and turbulent change — the ability to produce fast, effective and innovative responses to new, emerging problems.

James Gram

Fee: \$35 (includes lunch)

Date: Friday, April 6, 9:00 am-3:30 pm.

PIE-93-110

Living your dying — a personal growth workshop

This full day workshop provides an experiential exploration of the existential dilemma that we must accept the reality of our own death before we can choose to live. Structured exercises will assist participants to confront the meaning of their own death.

Professional and individual exploration (PIE) *

This workshop is not recommended for persons who do not have prior experience with intensive group experiences.

David Jordan, Les Myers

Fee: \$45 (includes lunch & dinner)

Date: Friday, April 20, 9:00 am-11:00 pm

PIE-93-111

Supervisory skills: delegation and motivation

"How do I delegate tasks to others?" "People don't accept my delegated tasks." These common questions and complaints will be the starting point for this workshop. It is intended for persons interested in improving their supervisory skills. Participants will practice special delegation skills in a variety of examples and settings.

Topics include: Delegating theory; Delegating common tasks; Delegating and motivating problem employees; Critical incidents and delegations; Delegating and motivation; and Absenteeism.

Participants are urged to bring their real 'work' problems to the session.

Karen Zanutto

Fee: \$35 (includes lunch)

Date: Thursday, May 17, 9 am to 4:30 pm.

PIE-93-113

Dreams: a personal growth workshop

The workshop focuses on the use of dreams and other fantasies to increase awareness. Gestalt dreamwork methods will be demonstrated and emphasis will be placed on ways participants can continue work on their own.

David Jordan, Les Myers

Fee: \$35 (includes lunch)

Date: Friday, May 9, 9 am to 4 pm.

PIE-93-114

Coping with anxiety — a personal growth workshop

Most people experience feelings of anxiety, and this prevents them from performing or presenting themselves as they would like. Structured experiences will be used in this workshop to help participants identify how they contribute to their

feelings of anxiety and how they can cope with this anxiety. Some of the techniques to be examined are self-statements, deep relaxation (autohypnosis) and fantasy rehearsal.

Les Myers

Fee: \$35

Date: Saturdays, May 28, June 4 and 11 7 pm to 9 pm.

Saturdays, July 7 and 14 9 am to 12 pm.

PIE-93-115

Couples communication

This workshop is intended for couples (married or otherwise) who wish to enhance an ongoing relationship. It should not be sought as marriage counselling for relationships in serious difficulty.

The workshop is based on a model of communication which emphasizes the connection between self-expression and awareness of one's feelings, needs and intentions in a relationship. Exercises for developing skills in both of these areas will be used.

Karen Zanutto, David Jordan

Fee: \$75 per couple

Date: Saturdays, April 21, 28 and May 5 9 am to 12 pm.



College of Education continuing studies

Programs for parents, teachers and school administrators

The office of Continuing Studies, Brock College of Education, was created so that the College might more effectively meet the community's continuing educational needs. Its major role is in the administering and offering of:

Ministry of Education certificate programs designed for teachers and administrators of the schools in Ontario. (Programs to be offered during summer and winter sessions); and

A number of conferences and seminars instituted on a cooperative basis between the College of Education and all other components of the educational community.

Ministry of Education certificate courses

Proposed course offerings:

Course	Summer session 1979	*Winter session 1979/80	*Summer session 1980
Primary/Junior education	Specialist Pt. I	Pt. II	Specialist Pt. I
Teaching French as a second language	Specialist Pt. I	Pt. I, II	Specialist Pt. I
Physical education and health	P/J Pt. I, II & Spec I/S Pt. I	—	P/J Pt. I, II, S I/S Pt. I
Reading	—	Pt. I, II	Specialist
Guidance	Specialist	—	—
Librarianship	Pt. I	Pt. II	Specialist Pt. I
Special education	Pt. I, II, S Pt. I	—	Pt. I, II Specialist
Music - vocal	—	P/J Pt. I	P/J Pt. II
Industrial arts	Pt. I	Pt. II	Specialist
Driver education instructor	Driver's Ed.	—	Driver Ed

*Tentatively set — subject to ministry of Education approval and course enrolment.

Summer sessions will be four weeks in duration, with daily sessions from 8 am to 3 pm.

Winter sessions will take place once a week on Wednesday evenings (three hour sessions) for approximately 20 weeks, plus some Saturdays (October 1 to March 1, or January 1 to June 1).

The fee per course will be \$150.

The College of Education will follow approved ministry of Education course descriptions and guidelines as indicated in their *Professional summer programs for teachers* booklet.

If you are interested in any of these courses, please contact:

V. Cicci
Co-ordinator of Continuing Studies
College of Education
Brock University
St. Catharines, Ontario
LS2 3A1

Brock annual educational conference

The challenge of educational change

Presented in co-operation with the College of Education, the public and separate school boards of Lincoln and Niagara, the ministry of Education, and the Ontario Institute for Studies in Education.

Friday, April 20, 1979
Address by Laurier La Pierre

Thursday, April 26
Keynote speaker, Rodger Allan
Wine and cheese reception

Friday, April 27
Workshop sessions

1. Canadian studies — multiculturalism programs

Recent curriculum developments based on ministry guidelines for the primary, junior and intermediate divisions.

2. *Early identification programs*
New approaches to meet the special needs of children.

3. *Life skill development programs*
Family living and family studies: the goal of educating the 'whole' child.

4. *Implementing educational change*
Strategies for educational leadership in new program development at the classroom, school and systems levels.

This conference is open to all educators of children — teachers, principals, curriculum co-ordinators, trustees, supervisors and directors.

For further information, contact V. Cicci, co-ordinator of Continuing Studies, (416) 684-7201, ext. 405.

Master of Education (MEd) program

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 over the traditional university year as well as in spring evening and summer day sessions. Students are admitted to core courses during the fall, and may commence electives after they 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.

Those interested should contact the graduate officer, Mrs. S. Booth, in the Registrar's office. Also, Prof. A. Bennett, the chairman of the Graduate Program, will be happy to answer any questions that anyone might have relative to this program.

Registration form

to be used for PIE courses,
general interest courses and College of Education courses
(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:

Finance Office
Brock University
St. Catharines, Ontario
L2S 3A1

(NOTE: FOR COLLEGE OF EDUCATION COURSES, MAKE CHEQUES PAYABLE TO BROCK COLLEGE OF EDUCATION)

This section to be completed for PIE programs only:

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

2. Describe briefly your goals for the workshop:

Registration form

to be used for PIE courses,
general interest courses and College of Education courses
(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:

Finance Office
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L2S 3A1

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