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CONTINUING EDUCATION



GENERAL INFORMATION

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"Continuing Education" is a term reflecting the fact that today, as never before, formal education is a continuing process. Adults must expect to return again and again to educational institutions to upgrade both job skills, and life skills--the ability to function successfully as employees, parents, citizens, consumers, users of leisure time and so on.

Continuing Education is not new to Lakehead University. In recent years "adult students", both full-time and part-time, have constituted up to one-third of the University's undergraduate population. All were engaged, truly, in "continuing education". The Continuing Education programs in this brochure seek to extend these opportunities to those in the community who do not desire credit courses but who wish an opportunity to keep up-to-date with new developments, to broaden their horizons, or to make more creative use of leisure time.

The University hopes that all who are interested in continuing education will find something of value in these programs. To those whose needs are not met, we extend an invitation to make the University aware of needs and wishes. If you, as an individual or on behalf of a group, have any suggestions to offer regarding possible courses, seminars or programs for the future, please contact the Director of Extension.

REGISTRATION:

Students may register for non-credit courses by mailing the requisite fee along with the enclosed registration form to Extension Registration, Lakehead University, Thunder Bay, Ontario. Or, students may register on the first day of class, at the class.

CANCELLATION AND WITHDRAWAL:

Fees for the non-credit courses are established at a level which will pay costs if the minimum enrollment is met. Since the University receives no grants to support non-credit offerings, minimum enrollments must be met before the course can proceed. Where the course has to be cancelled, a full refund will be provided. *Where the fee is \$20.00 or more, a registrant may withdraw from an on-going class at not later than its third meeting, providing the Director of Extension is notified in writing. Failure to attend classes or verbal advice to the instructor cannot be considered notification of withdrawal. When the registrant withdraws with refund, an administration fee of five dollars will be deducted. Where the fee is less than \$20.00, no refund will be issued.*

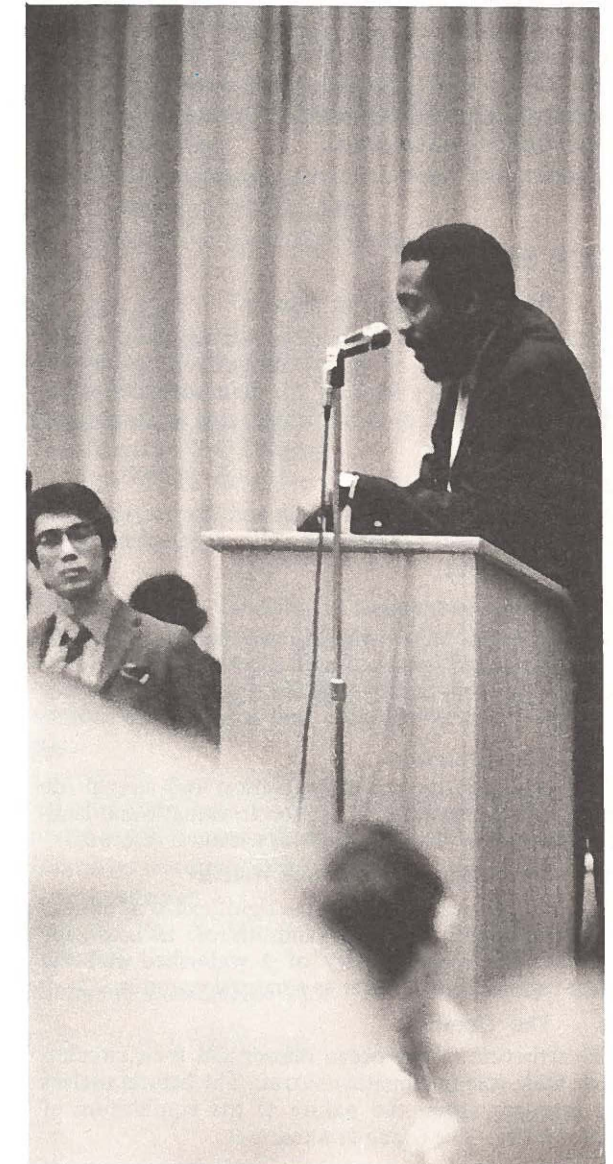
SINGLE LECTURE ATTENDANCE:

Where the brochure so indicates, individuals are invited to attend single lectures. Such individuals

should come prepared to pay the appropriate fee to the class secretary at the beginning of the class. Regular students will be provided with an Admit-to-Lecture card which should be shown on request at any lecture.

PARKING:

Parking is available on campus.



COURSES

THE ENDANGERED ENVIRONMENT

A non-credit exploratory course presented jointly by the Departments of Geography and Forestry at Lakehead University.

The course is designed for members of the public who are concerned with the pressing problems of environmental abuse and management, and who are interested in a background understanding of environmental processes and the manner in which these are pertinent to particular problems, especially with reference to those affecting Northwestern Ontario.

The course is designed to fall into two parts, the first being an introduction to the nature of the environment, and the second being an introduction to the various problems inherited by past and present use of natural resources, and discussion of the possible solutions.

No prerequisite qualification other than interest is asked of intending registrants, and no coursework or examination will be given.

Students may register in either or both parts.

FALL SECTION

1 The Environment In Balance

An introduction to the concept of equilibrium and the cyclic nature of many physical and biological phenomena, and a view of the time scales involved. This theme will be a recurrent one in succeeding lectures.

2 The Atmosphere

Atmospheric processes, weather and climate, regional, local, and micro-climates. The atmosphere as a natural resource.

3 The Landsurface

The processes of weathering and the formation of soils, the distribution of soil types in relation to regional and local factors, and the significance of minor changes in soil conditions. Soil as a natural resource.

4 The Biosphere

The symbiotic nature of vegetation and animal life and their distribution in relation to climatic and land-form patterns. The biosphere as a natural resource.

5 The Surface And Ground Waters

The hydrological cycle and the significance of natural water storage. The river and its role in landscape change; the morphometry of a watershed and the river regime, lakes. Water as a natural resource.

6 The Oceans

The structure of the ocean masses and their circulation, their role in climatic control. The littoral shelves as resource areas; the nature of the equilibrium of oceanic life. The ocean as a resource.

7 Man And Environmental Influences

The relationship of the natural environment to differences in metabolism, diet, physical activity and mental health. The extent to which Man is influenced, and the extent to which he is able to combat such influences.

8 The Changing Environment

A drawing together of the previous six lectures within the phenomenon of climatic change. The Pleistocene glaciation and climatic fluctuation, and the significance of these events in bringing about world-wide continuous changes of the distribution of climates, soil and vegetation types, water, and the effects these had on the early history of Man.

9 The Glaciation Of The Great Lakes Area

An account of the history of glacial events which resulted in the landforms and superficial deposits which now characterize Northern Ontario.

10 The Palaeogeography Of The Great Lakes Area In The Late And Post-Glacial Periods.

An account of the succession of climatic changes in the last few thousand years and the biotic responses to these changes, including the migrations and occupancy by Man.

11 Mapping The Changing Environment

The urgent need for accurate large scale maps for planning and management of natural resources. Survey and photogrammetric techniques of rapid mapping of changing urban and rural areas. The N. T. S. and the ARDA land inventory map series. The orthophoto and orthophotomap. The computer map. Canada's contribution to world developments in mapping techniques.

12 Remote Sensing Of Natural Resources

An introduction to airborne methods of sensing particular ground phenomena and recording data by infrared, radar and other techniques. The use of earth orbital satellites in collection of ground data and for resource planning and management.

WINTER SECTION

1 On The Nature Of Forests And Of The Tree -

Composition, structure, functions. A general consideration of the forest as a dynamic, biological complex.

2 The Forest Regions Of Canada And Ontario -

Characteristics, conditions, soil-types, and a description of the tree species of Northwestern Ontario.

3 Forest Environmental Influences -

Climate, precipitation, the atmosphere, stream flow.

4 The Water Resource In The Life Of Man -

Influences, use, abuses.

5 Land Utilization And Management In Ontario -

Historic review of legislation, and consideration of trends, problems, philosophies, in agriculture, forestry, urban growth and planning for these.

6 Foundations Of Planning Resource Management -

Photogrammetry and mapping in geography and forestry.

7 Man's Uses Of The Forest -

Logging: A Historic Review to the present.

8 Man's Uses Of The Forest -

Fish and Wildlife Management

9 Man's Uses Of The Forest -

Parks and Recreation - wilderness forest reserves, planning.

10 Man's Uses Of The Forest -

Urban Parks and Recreation - values, criteria in planning.

11 Prospects And Precautions For Northern Development.

12 The Politics Of Resource Conservation -

Panel discussion et al. Legislators, industry, lands and forest will be invited.

COURSE CO-ORDINATORS:

Dr. B. A. M. Phillips, Associate Professor, Department of Geography.

Mr. K. W. Hearnden, Associate Professor, School of Forestry.

Location:

Room MB-1015 (formerly 1035 Main Building)

Time:

Wednesday evenings, 8:00 p.m. commencing September 30 (fall term) and January 6 (spring term)

Fee:

\$15.00 per term Students - \$3.00 per term

Minimum Enrollment:

25 full fee registrants

(L.U. code: 27-51-350)

CHRISTIANITY IN CRISIS

A lecture-discussion course on the relevance of the Christian church to the problems of our time and the revolution in modern theological thought and practice. Sponsored jointly with the Thunder Bay Ministerial Association, lecturers will include university faculty, local and visiting clergy.

1 Theological Revolution Today?

2 Who or What is God?

3 Is God Personal?

4 Christ--The Man for Others, or the Man from Beyond?

5 Christianity--This Worldly or Other Worldly?

6 A New Morality?

7 The Bible as Inspired Literature.

8 The Human Spirit and the City.

9 The Church--A Worldly Institution or a Serving Community?

10 Christian Meaning.

11 Christianity and Sexuality.

12 City of God or the God of the City?

Text:

Basic Readings -

Bishop Robinson, *Honest to God*

Harvey Cox, *The Secular City*

Vatican II Documents

Supplementary Readings -

The Honest to God Debates

The Secular City Debates

Location:

Room MB-1035 (formerly 1035 Main Building)

Time:

The course will be held on Monday nights at 8:00 p.m. during the fall and winter. The fall term will commence October 19 for six weeks, and the winter term will commence January 11 for a further six weeks.

Fee:

\$15.00 per person and \$25.00 per couple, will include the three basic readings. Supplementary reading material will be available at the University Bookstore. Individual lectures - \$1.50

Course Advisor:

Rev. Dr. W. S. Morris, Professor, Department of Philosophy

Minimum Enrollment: 25

(L.U. code: 27-52-350)

PROBLEMS OF LOCAL GOVERNMENT

The intention of this program is to provide a meeting place where concerned citizens and public officials can discuss local problems of the day.

Elected officials and public service officers from various branches of local government have been invited to attend as guest speakers and resource people.

1 The Legal Context - The municipality, the province and the federal government. Is independence possible? The big city and the small town.

2 The Environmental Context - planning land use, urban renewal, parks, transportation, services.

3 The Environmental Context - sewage disposal, pollution control, open spaces, street maintenance, snow removal.

4 Schools - Locally responsible? Problems of planning. Parent-teacher-board relations. Class size. Class size and program content.

5 Schools - continued.

6 Financing of Local Government - Assessment and re-assessment. Is a "fair" tax base possible? The mill rate. Provincial subsidies. Tax exempt land. Can we have high class services without high taxes?

7 Welfare - the municipal responsibility. Provincial aid and regulations. Can welfare be humanized? The welfare recipient as a citizen.

8 Financing and Welfare - continued.

9 Community services - library, police, streets, public housing, etc. Are they responsive to our needs?

10 Amalgamation and Decentralization - How do we achieve efficient, citizen-responsive local government?

11 Municipal Policies - How are our leaders elected? To whom are they responsible? The future of party politics in the city.

12 Problems of the Elected Official and Municipal Employees - hours, pay pressures, rewards.

13 Economic Development of the Region - What is the future - industry, tourism, investment, Provincial and Federal incentive programs.

14 Summary and Unfinished Business.

Time:

Thursday evenings at 8:00 p.m.; commencing October 29, 1970.

Location:

Room: MB-1061 (formerly Room 1000, Main Building).

Fee: \$10.00

Students - \$2.00 Individual evenings - \$1.00

Minimum Enrollment: (20 full fee registrants)

(L.U. code: 27-53-350)

MAN AND HIS DRUG AGE

This program is intended to give the concerned layman an opportunity to become better informed about the problems and opportunities created by the widespread availability and use of "chemical comforts" of many kinds--drugs, alcohol, barbituates, sedatives, etc. No ethical or moral attitudes are assumed on the part of either discussion leaders or participants and each will be free to examine critically the attitudes and standards of conduct most appropriate to the problems and opportunities created by Man and His Drug Age.

The program is intended to last for 15 sessions but is not rigidly structured. Rather, a number of resource people have been contacted and they will try to be available as the needs of the group require. A partial list of the resource people contacted is as follows:

Dr. A. A. Asimi - Sociology Department, Lakehead University

Dr. Neil S. McLeod - General Practitioner, Fort William Clinic

Mrs. Colleen Hughes - Social Worker, St. Joseph's General Hospital

Mr. Dale Torrie - Social Service Worker, formerly associated with the Fort William Youth Centre

Dr. J. A. Moore - Director of Clinical Services, A.R.F.; Thunder Bay

Mr. A. Moss - Director of Community Services, A.R.F.; Thunder Bay

Time:

Tuesday evenings, 8:00 p.m. commencing Tuesday, October 20, 1970.

Location:

Room: MB-1006 (formerly Room 1056, Main Building).

Fee:

\$20.00 Students \$5.00

Minimum Enrollment:

20 full fee registrants

(L.U. code: 27-54-350)

TEACHING ORAL FRENCH BY AUDIO VISUAL METHODS

A demonstration of a new technique for teaching oral languages to children, ages 7 to 12.

This method, entitled *Bonjour Line*, has been specially devised for children. It enables intensive use of recorded sound and film to teach dialogue patterns on subjects of interest to children and with which they are familiar: games, animals, stories and so on. The method is designed for children who have already learned the essentials of reading and writing their own language. There is therefore no danger of confusion with spelling or pronunciation of their mother-tongue. Since only French is used in this direct method the child's mother-tongue does not necessarily have to be English. These lessons will supplement but in no way conflict with oral French instruction which children will be receiving in elementary school.

Instructor: Mme. Louise Quirelle

Time:

Saturday mornings, 10:30 - 11:15 or 11:30 - 12:15 commencing Saturday, October 3rd for 12 weeks.

Classes will be held in one of the modern teaching laboratories of the Department of Languages, in the Main Building.

Fees:

\$15.00 per child per term: second and subsequent children of the same family (brothers and sisters) \$8.00.

Minimum Enrollment: 15

A third morning session will be held during the fall and a continuation or repetition of the program will take place for twelve weeks during the winter term if there is sufficient interest.

(L.U. code: 27-55-350)

VISUAL EXPERIENCE

A course designed to intensify personal visual awareness of the world around. It will also look briefly at the way in which the artist orders his visual impressions into a coherent living form.

No previous knowledge of art is required, only a willingness to look closely at the immediate environment. Students should bring pen and paper, pencil or charcoal, and, ideally, a camera.

Time:

Tuesdays and Thursdays for 8 evenings, commencing Thursday, October 15 at 8:00 p.m.

Location:

Room MB-1001 (formerly Room 1149 Main Building)

Instructor:

Mrs. Frances Smith, formerly art officer, Arts Council of Great Britain.

Fee: \$10.00

Minimum Enrollment: 20

(L.U. code: 27-56-350)

EVOLUTION AND REVOLUTION IN THE THIRD WORLD

An eight week lecture - discussion series on developments in the Third World with particular reference to the Indian Sub-Continent. Dr. Sarbadhikari has spent the summer of 1970 in India observing the political scene and talking with leading political figures.

Lecturer:

Dr. P. Sarbadhikari, Associate Professor, Department of Political Science.

Location:

Room MB-1027 (formerly Room 1023 Main Building).

Time: Wednesday evenings, 8:00 p.m.; commencing January 11.

Fee: \$10.00 Students - \$2.00

Minimum Enrollment:

20 full fee registrants

(L.U. code: 27-57-350)

CELESTIAL NAVIGATION

In fifteen lessons the student is led from the fundamentals of astronomy (with no higher mathematics required than the ability to add and subtract numbers) through the use of the sextant to the reduction of observations taken from a simulated voyage on the North Atlantic.

Text:

"Celestial Navigation" by F. W. Wright (Cornell Maritime Press Inc.)

Lecturer:

Dr. J. S. Griffith, Associate Professor of Mathematics, Member of U.S. Institute of Navigation; late member H.M. Nautical Almanac Office.

Location:

H.M.C.S. Griffon

Time: Tuesday evenings at 8:00 p.m.; commencing January 12

Fee:

\$25.00 Students and Sea Cadets - \$5.00

Minimum Enrollment:

20 full fee registrants

(L.U. code: 27-58-250)

PSYCHIATRIC NURSING FOR GRADUATE NURSES

This course is designed to promote recognition of the physically and/or emotionally ill and to develop a deeper understanding of the principles involved in establishing therapeutic relationships.

Instructor:

Mrs. L. Lyss, Assistant Professor, School of Nursing. Tuesday and Thursday evenings commencing Tuesday, February 2nd, and continuing through the winter session to April 13th, 1971.

Location:

LI-4005 (formerly Room: L-411 in the Library).

Fee: \$60.00

Minimum Enrollment: 12

(L.U. code: 27-59-350)

MAN AND HIS ENVIRONMENT

An examination of the growth and functions of Canadian cities. Particular attention will be paid to the way in which the urban environment affects Canadian society and the manner in which urban society attempts to shape its habitat.

FALL SESSION:

1 Definitions of "urban"

- I Formal - examples from all continents.
- II Functional
- III Elaboration and comparison of Canada and U.S. formal definitions.

2 Urban Development

- I Origins of urban settlement
- II Spread of urban settlement
- III Changing forms and functions of urban settlement

3 World Urbanization

- I Statistical study 1800-1950
- II Differential input by area
 - a) 19th Century rural-urban migration
 - b) 20th Century urban population growth

4 Canadian Urbanization

- I Statistical Study 1851-1961. Canada and Provinces compared.
- II Differential growth by size-class.
- III Comparative study of growth of Port Arthur and Fort William
- IV Pattern of settlement development.

5 Classification of Cities

- I Functional - Harris
- II Service - Nelson
- III Industrial - Alexandersson
- IV Value of classification

6 Classifications of Canadian urban settlements

- I Results of Maxwell's classification
- II Value of this for further study
- III Application of 5-2 to Canada

7 Examination of One Representative of Each Type Identified In Either 6-1 or 6-3

8 Inter-Urban Theory

- I Central Place Theory
- II Concept of the "threshold"
- III Concept of the range of the good

9 Application of 8 to Northwestern Ontario

10 Urban-Rural Relationships

- I Concept of service area
- II Concept of tributary area
- III Dynamics of 1 and 2
- IV Techniques

11 Consumer travel behaviour

12 The city-centred region

- I Administrative structures
- II Urban and rural municipality relationships
- III Amalgamation at Canada's Lakehead
- IV Regional government in Ontario

WINTER SESSION

1 Internal Urban Patterns

- I The land use map
- II Analysis of zones
 - a) commercial
 - b) industrial
 - c) residential

2 Theories of urban structure

- I Concentric Zone
- II Sector
- III Multiple Nuclei

3 Ethnicity and the City

4 Race and the City

5 Social Class and the City

6 Urban Demographic Characteristics

- I Age-sex differences in Canada
 - a) by area
 - b) by town-type

7 Urban Demographic Characteristics (cont.)

- II a) Rural-Urban migration
- b) City-City migration
- c) Intra-city migration
- d) Effect on housing market

8 The Changing Housing Market

- I The apartment "boom"
 - a) Canada
 - b) Toronto
 - c) Thunder Bay
- II Supply and demand influences
- III Changing locational pattern

9,10, and 11

Controlling Urban Development

- I Urban planning
- II Urban renewal
- III Neighbourhood "concept"
- IV Canada's new towns
 - a) bases
 - b) forms
 - c) company-worker relationships

12 Transport and the City

Texts:

J. & R. Simmons, *Urban Canada*, Copp Clark, (Toronto, 1969).

N. H. Lithwick and G. Paquet, *Urban Studies: A Canadian Perspective*, Methuen, (Toronto, 1968).

Selected papers, available in Lakehead University Lib-

rary. These may be xeroxed (at a charge) by the individual for his own use.

Assignment of Grades:

Assignments submitted for marking will count for 20% of the final grade.

Contributions in the form of prepared papers will count for 20%;

There will be a final written examination which will count for 60%.

Instructor:

Mr. I. G. Davies, Assistant Professor, Department of Geography.

Location:

Room MB-1024 (formerly Room 1020, Main Building)

Time:

Monday evenings, 8:00 p.m., commencing September 28

Fee:

\$100.00

Enrollment:

Minimum 10, Maximum 30

(This course has been developed with the assistance of the Ontario Association of Real Estate Boards. For this reason, first preference will be given to realtors and appraisers should a shortage of places appear. Consideration is being given to making this course a regular university credit course. Should this develop during the life of the course, students may transfer to credit status by following the regular procedures for gaining admission as a part-time student to the University and by paying the additional sum required to bring the fee up to the credit level.)

(L.U code-27-60-350)

EFFICIENT READING PROGRAM

A Efficient Reading Course:

The course is designed to improve reading skills which will increase both speed and comprehension. Initially, emphasis will be placed on increasing reading speed. Then rapid comprehension will be emphasized and, in the latter part of the course, time will be spent on various types of reading which the students are involved in outside the context of the course. The course consists of one 3-hour class per week for 10 weeks. It will be offered twice during the regular school year. The first course will begin on Monday, October 5 and the second on Monday, January 4, 1971.

Instructor:

Dr. F. D. Colman

Location:

Room MB-1061

Time: Mondays, 7:00 p.m.; beginning October 5 and January 4.

Fee: \$30.00 L.U. Students - \$15.00
(fee includes work books and other materials for the course)

Minimum Enrollment: 20

Maximum: 35

Should there be sufficient demand, extra evening classes and day classes will be scheduled.

B Reading Tests:

A service will be offered to those interested in finding out their reading speed and comprehension. Reading tests will be given in the following time slots:

Mondays: 10:00 a.m. - 12:00 p.m.

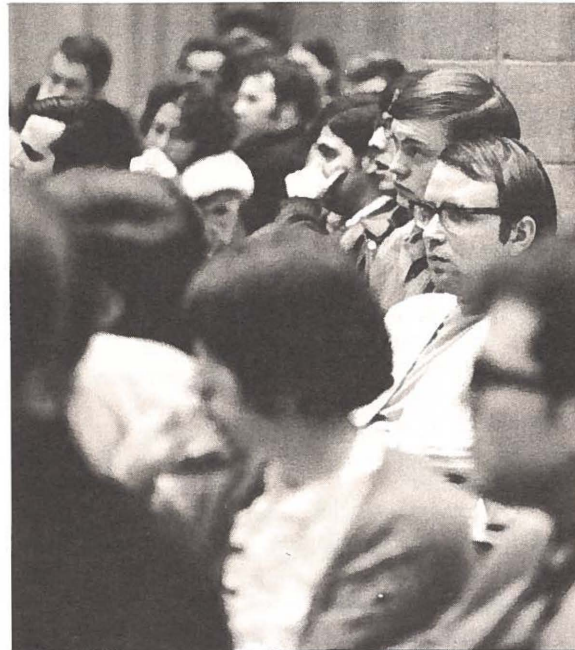
Wednesdays: 7:00 p.m. - 9:00 p.m.

Fridays: 2:00 p.m. - 4:00 p.m.

Appointments should be arranged through the Extension Office.

Fee: \$2.00

(L.U. code: 27-61-350)



Director of Extension

LAKEHEAD UNIVERSITY

Postal Station P, Thunder Bay, Ontario, Canada.

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