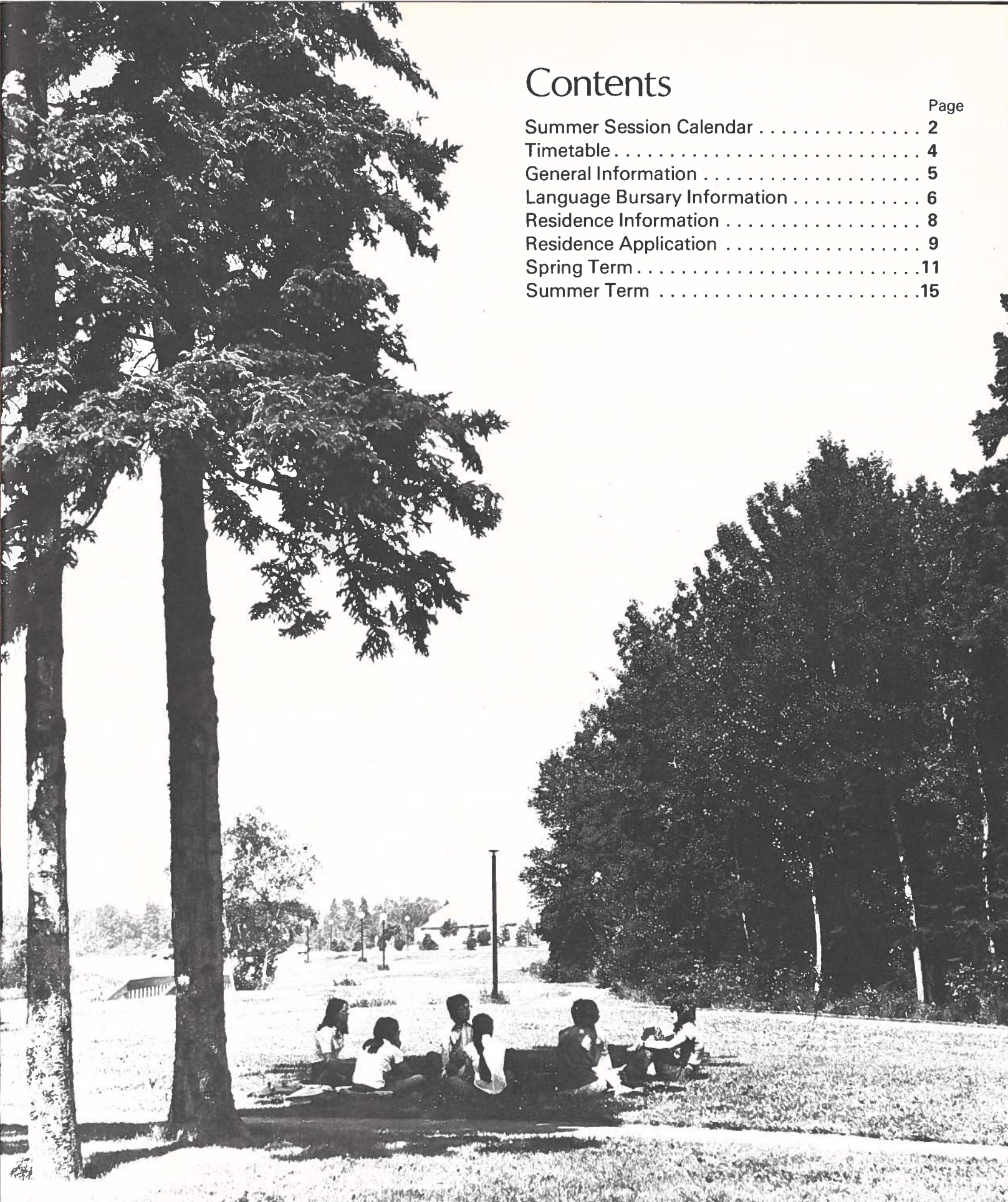


Lakehead university



Summer Session 1975



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Summer Session Calendar

April 1975

- 6 Sunday
- 7 Monday
- 8 Tuesday
- 9 Wednesday
- 10 Thursday
- 11 Friday
- 12 Saturday
- 13 Sunday
- 14 Monday
- 15 Tuesday *Last date for applications for the Spring Term*
- 16 Wednesday
- 17 Thursday
- 18 Friday
- 19 Saturday
- 20 Sunday
- 21 Monday
- 22 Tuesday
- 23 Wednesday
- 24 Thursday
- 25 Friday
- 26 Saturday
- 27 Sunday
- 28 Monday
- 29 Tuesday
- 30 Wednesday

May 1975

- 1 Thursday
- 2 Friday
- 3 Saturday
- 4 Sunday
- 5 Monday
- 6 Tuesday
- 7 Wednesday *Spring Term classes commence*
- 8 Thursday
- 9 Friday
- 10 Saturday
- 11 Sunday
- 12 Monday *Final date for late registrations in the Spring Term*
- 13 Tuesday
- 14 Wednesday
- 15 Thursday
- 16 Friday *Final date for withdrawal from the Spring Term without academic penalty*
- 17 Saturday
- 18 Sunday

- 19 Monday *Commonwealth Day — University closed*
- 20 Tuesday
- 21 Wednesday
- 22 Thursday
- 23 Friday
- 24 Saturday
- 25 Sunday
- 26 Monday
- 27 Tuesday
- 28 Wednesday
- 29 Thursday
- 30 Friday
- 31 Saturday *Convocations for conferring of degrees and diplomas*

June 1975

- 1 Sunday
- 2 Monday
- 3 Tuesday *Final date for application for Summer Term*
- 4 Wednesday
- 5 Thursday
- 6 Friday
- 7 Saturday
- 8 Sunday
- 9 Monday
- 10 Tuesday
- 11 Wednesday
- 12 Thursday
- 13 Friday
- 14 Saturday
- 15 Sunday
- 16 Monday
- 17 Tuesday
- 18 Wednesday
- 19 Thursday
- 20 Friday
- 21 Saturday
- 22 Sunday
- 23 Monday *Spring Term examinations*
- 24 Tuesday *Spring Term examinations*
- 25 Wednesday
- 26 Thursday
- 27 Friday *Final date for application for August supplemental examinations*
- 28 Saturday
- 29 Sunday
- 30 Monday

July 1975

- 1 Tuesday *Dominion Day — University closed*
- 2 Wednesday *Summer Term commences*
- 3 Thursday
- 4 Friday
- 5 Saturday
- 6 Sunday
- 7 Monday
- 8 Tuesday *Final date for late registration in the Summer Term*
- 9 Wednesday
- 10 Thursday
- 11 Friday *Final date for withdrawal from the Summer Term without academic penalty*
- 12 Saturday
- 13 Sunday
- 14 Monday
- 15 Tuesday
- 16 Wednesday
- 17 Thursday
- 18 Friday
- 19 Saturday
- 20 Sunday
- 21 Monday
- 22 Tuesday
- 23 Wednesday
- 24 Thursday
- 25 Friday
- 26 Saturday
- 27 Sunday

- 28 Monday *Supplemental Examinations*
- 29 Tuesday *Supplemental Examinations*
- 30 Wednesday *Supplemental Examinations*
- 31 Thursday *Supplemental Examinations*

August 1975

- 1 Friday
- 2 Saturday
- 3 Sunday
- 4 Monday *Civic Holiday — University closed*
- 5 Tuesday
- 6 Wednesday
- 7 Thursday *Final date for submitting supplemental results*
- 8 Friday
- 9 Saturday
- 10 Sunday
- 11 Monday
- 12 Tuesday
- 13 Wednesday *Summer Term examinations*
- 14 Thursday *Summer Term examinations*
- 15 Friday
- 16 Saturday
- 17 Sunday
- 18 Monday
- 19 Tuesday
- 20 Wednesday *Final date for submitting the Summer Term examination results*
- 21 Thursday
- 22 Friday
- 23 Saturday



Timetable

FULL COURSES are offered in one session daily, Monday through Friday.

Sessions marked with an asterisk* will run one-half hour longer Monday through Thursday.

Other sessions may be adjusted by mutual arrangement.

SPRING TERM	Session 1	Session 2	Session 3	Session 4	Session 5
May 7 - June 25				4:45 p.m. 6:45 p.m.	7:00 p.m. 9:00 p.m.
Examinations Monday, June 23				4:45 p.m. 7:45 p.m.	
Tuesday, June 24					6:00 p.m. 9:00 p.m.
SUMMER TERM					
July 2 - August 12	8:00 a.m. 10:00 a.m.	10:30 a.m. 12:30 p.m.	2:00 p.m. 4:00 p.m.	4:45 p.m. 6:45 p.m.	7:00 p.m. 9:00p.m.
Examinations Wednesday, Aug. 13	9:00 a.m. 12:00 noon		2:00 p.m. 5:00 p.m.		6:00 p.m. 9:00 p.m.
Thursday, Aug. 14		9:00 a.m. 12:00 noon		6:00 p.m. 9:00 p.m.	

Session times shown under the course schedule have some small degree of flexibility: a student who finds the schedule inconvenient is invited to write to the Registrar, Lakehead University, Thunder Bay "P", Ontario.

Off-Campus examinations will be set by the instructor at a time convenient to himself and the class. Evaluation differs from course to course and the means of evaluation is the prerogative of the instructor and the academic department involved.

General Information

Lakehead University is now established as one of the major summer schools in Ontario. Situated as it is in the heartland of Northwestern Ontario, and on the shores of Lake Superior, it offers not only exciting academic programs and modern facilities, but also a unique opportunity to enjoy a moderate climate and a clean and spacious environment.

Facilities on campus are strikingly beautiful and more than adequate. Academic space was expanded when the Ryan Building, which houses a wide variety of classrooms, seminar rooms and lecture theatres, was officially opened in November of 1972. The science laboratories and instrumentation are unsurpassed anywhere. The Library contains 215,000 volumes, including bound periodicals and approximately 2,000 volumes of unbound periodicals. On the athletic side, the C. J. Saunders Athletic Complex houses numerous gymnasias and specialized activity rooms, an Olympic-size swimming pool, saunas and dressing facilities — all accessible to summer students.

The Summer Session contains two terms — Spring and Summer, both of approximately six weeks in length. Students may enroll in one or the other, or both, subject to the regulations below.

FEES

	Tuition	Activity	Total
Degree courses in Faculty of Arts, Science, Education and University Schools:			
Full Course	\$ 135	\$ 5	\$ 140
Half Course	70	5	75
Diploma courses in Faculty of University Schools:			
Full Course	80	5	85
Half Course	40	5	45
Degree courses offered in Engineering:			
Full Course	140	5	145
Half Course	70	5	75
Off-Campus Courses:	140	n/a	140
Audit:			
Full Course	50		
Half Course	25		

Late Fee: A late fee of \$10.00 will be charged for students registering after:

May 12 for Spring Term Courses
July 8 for Summer Term Courses

COURSE CHANGES/WITHDRAWALS

NO COURSE CHANGES ARE PERMITTED AFTER THE FIRST FOUR LECTURE DAYS OF EACH TERM.

Students withdrawing in the first four days of classes will receive a refund of total fees less a \$10.00 administrative fee per course. No refund will be allowed after the first four days. The activity fee is non-refundable.

PLEASE MAKE ALL CHEQUES PAYABLE TO:
LAKEHEAD UNIVERSITY.

TIME AND CLASS LOCATION

The time of the class is listed with each course. The location of classes will be announced on a separate bulletin which will be available from the Registrar's Office or the University Switchboard in the week prior to the beginning of classes, or from the commissionaire at the main gate on the opening days of the Spring and Summer Terms.

COURSE LOAD

A student may take a maximum of three courses during the Spring and Summer Terms; in exceptional circumstances the Dean of the Faculty, in consultation with the Departmental Chairman, may permit a student to take more than three courses in the Spring and Summer Terms.

CANCELLATION OF COURSES

The University reserves the right to cancel any course if no instructor is available or the number of registrants is too low. Enrollment may be limited in a course where more students apply than can be accommodated; in that case, places will be filled on a first come, first served basis.

TEXTS AND ADVANCE READING

Registrants are urged to do advance reading in preparation for their courses. Reading lists will be supplied through the individual Departments as they become available. The University Bookstore will stock the required texts which may be procured during the regular Bookstore hours — 9:00 to 5:00 p.m. Monday through Friday or by ordering, C.O.D.

LIBRARY HOURS

The Library will be open on all lecture days during both terms of the Summer Session from 8:30 a.m. to 12:00 p.m. In addition, commencing the second Saturday of each term the Library will also be open for study from 9:00a.m. to 5:00 p.m.* Additional study hours can be arranged only if there is a large demand. Those concerned are asked to contact the Librarian. All students must be registered with the Library and must show their Summer Session Admit-to-Lecture cards in order to borrow books.

*and Sunday from 2:00 p.m. to 10:00 p.m.

THE SUMMER SESSION SOCIETY

Every student registered for Spring Term and Summer Term classes held at Lakehead University becomes a member of the Summer Session Society which forms the recognized student government, May 1 to August 31 inclusive. The Summer Session Society fee of \$5.00 finances the student government and society projects such as the Birth Control and Venereal Disease Information and Referral Centre, Drug Education Programme seminars and lectures, Lakehead University Summer Concerts, guest speakers and helps to subsidize such student activities as dances, beer gardens, night clubs, movies, wine and cheese parties, weiner roast and hootenany, underground films, and student newspaper operations.

Every member may participate in all activities of the Summer Session Society and in all elections of the Summer Session Society Council. The Summer Session Society Council is composed of one representative from each class of the Summer Session. The Council is elected on the first day of classes in each term, Spring and Summer. Its meetings are held in the Council Chamber (UC-2014) and the agenda is posted on the bulletin board located outside the student administrative offices.

The Executive of the Summer Session Society consists of the Past President, President, 1st Vice-President, 2nd Vice-President, Treasurer and the Secretary. The current Summer Session Society Executive consists of Mr. Ed Rawlinson, President; Mr. Brian Hurlock, 1st Vice-President; Mr. Frank Ricciardoni, 2nd Vice-President; Larry Fraser, Treasurer; and Bernie Willis, Secretary. The Executive elections are held the first FRIDAY of the Summer Term.

The Executive of the Summer Session Society chooses two members of the Society to sit on the Senate Continuing Studies Committee.

PARKING

All parking lots with the exception of those at the C. J. Sanders Athletic Building now require a parking sticker. Parking fee: \$5.00 for tickets valid before July 1, \$2.50 for tickets purchased thereafter. A parking sticker is good from September 1 to August 31 annually. Therefore students who have a sticker from the winter of 1974-75 do not require an additional sticker, and stickers purchased in the Spring Term are good for the Summer Term also.

Stickers should be purchased from the Accounts Office on the first day of classes.

HEALTH SERVICES

The University maintains a Health Service on campus with a Registered Nurse in attendance between 9:00 a.m. and 5:00 p.m., Monday through Friday.

These hours will be maintained throughout the summer months. The University Physician, Dr. W. Diggins, will be

available for consultation. Students may arrange for his service by contacting the Health Unit. The University uses the neighbouring hospitals to provide emergency treatment for acute illness or accidents which occur on campus during the term. A student is strongly advised to provide himself with some form of medical and hospital insurance. For both hospital and medical expenses, it is necessary to have O.H.I.P. coverage. Those who are not covered can obtain O.H.I.P. application forms from the local health insurance office at 200 South Syndicate Avenue, Thunder Bay South. Phone 623-5131.

BANKING FACILITIES

A branch of the Canadian Imperial Bank of Commerce is located at the University in the Shopping Mall on campus and is open 9:30 a.m. to 4:30 p.m. Monday through Thursday and 9:30 a.m. to 5:00 p.m. Friday.

BURSARIES FOR FRENCH AND ENGLISH IMMERSION COURSES

Lakehead University has run successful "immersion" courses every summer since 1970.

Each course offers a unique opportunity to acquire fluency in language and experience in culture.

Bursaries are available to students who enroll in the special immersion sections of English 1000, French 1000, French 1100 and French 2100. Under the auspices of the Office of the Secretary of State, students are financed to the extent of six hundred dollars each, covering room and board (at the University Residence), tuition fees, excursions, and a book allowance.

Bursary recipients should meet the following requirements:

- be at least 16 years old by December 31, 1974;
- be a Canadian citizen or have "landed immigrant" status;
- not have been employed full-time during the previous academic year;
- have the adequate background for the course in which they intend to enroll;
- be genuinely interested in language studies.

Because of their immersion character, these courses last all day and a bursary recipient is not eligible to take other courses in the Summer Term.

Information brochures may be obtained from all Canada Manpower Offices and from the Secretary, Department of Languages, Lakehead University, Thunder Bay, Ontario, P7B 5E1.

Students not meeting all of the above requirements are invited to enroll in any of the immersion courses as fee-paying students.

Please see Page 18 for descriptions of the courses offered in the immersion programme.

THE OPEN CAMPUS

Off-campus courses are offered during the summer at centres throughout Northwestern Ontario. Many of the towns have diversified vacation facilities which are particularly attractive to people who appreciate the uncontaminated outdoors and want to get away from the congestion of the cities. Off-campus offerings are made in response to demand: the normal criteria are that at least eight students should register, and that an instructor should be available. Times and locations of off-campus classes are the responsibility of the local representatives. Students registering in these courses will be notified during June regarding arrangements. All applications should be mailed directly to the Registrar, Lakehead University, Thunder Bay "P", Ont.

The off-campus representatives would be glad to hear from potential students.

OFF-CAMPUS REPRESENTATIVES

Atikokan	Mr. Gary Human	Home: 597-2080 School: 597-2703
Beardmore	Mrs. Carol Kirkpatrick	Home: 875-2047 School: 875-2128
Dryden	Mr. Bob Jackson	Home: 223-4879 School: 223-2316

Ear Falls	Mr. Orren Lane	Home: 222-3655 School: 222-3777
Fort Frances	Mr. Alex Facca	Home: 274-5147 School: 274-6731
Geraldton	Mr. Arnold Enders	Home: 854-0105 School: 854-1683
Ignace	Mr. Steve Sipos	Home: 934-2218 School: 934-2411
Kenora	Mr. Brian Hunt	Home: 548-5035
Longlac	Mr. Paul Rochon	Home: 876-2443 School: 876-2533
Manitouwadge	Mrs. Linda O'Shaughnessy	Home: 826-3658 School: 826-4011
Marathon	Mr. Jack Lymburner	Home: 229-1802
Nipigon	Mrs. Lillian Wolter	Home: 887-3303 School: 887-2107
Rainy River	Mrs. Rosemary Laevens	Home: 852-3706 School: 852-3561
Red Lake	Mrs. Kay Tingley	Home: 727-2244
Sioux Lookout	Mr. Dick McIntyre	Home: 737-2918 School: 737-3170
Terrace Bay	Mrs. Shirley Angus	Home: 825-3868

Courses offered off-campus during the Spring and Summer Terms do not appear in this brochure. A listing is available, upon request, from the Office of Continuing Education.



Residence facilities are set aside to accommodate 598 people during the summer months. Certain areas are set aside for married couples who can be accommodated in double rooms, and other areas are for either men or women. The Residence is situated on the banks of the McIntyre River within easy walking distance of all University buildings and students living in Residence can make use of all facilities: The University theatre, the shopping mall, the swimming pool, the lake, tennis courts, squash courts, etc.

each of the two social centres and recreation room of the Women's Residence there are vending machines for soft drinks, chocolate bars, cigarettes, etc. Coloured television is provided in two of the large common rooms. Mail, keys and dry cleaning services are provided by the Porter's Office on the left hand side of the main entrance to the Men's Residence. The office is open regularly from 9:00 o'clock to 5:30 p.m as well as during some evening hours. Free laundry facilities are provided except towels.

Although a package plan is available for the regular Summer Session, the Residence offers accommodation on a daily or weekly basis during the Spring Term and throughout the Summer.

MAIL ALL APPLICATIONS TO DIRECTOR
OF RESIDENCE — LAKEHEAD UNIVERSITY

MAKE ALL CHEQUES PAYABLE TO L.U.

STUDENT NUMBER

1. NAME:

(print)			
	mr. mrs. miss	christian names	surname

2. ADDRESS: _____

3. BORN: _____
year month day

PLEASE CHECK OPPOSITE THE TYPE OF ACCOMMODATION REQUIRED:

- | | | |
|-----|--|----------|
| () | Single room with meals for 5 days a week | \$255.00 |
| () | Double room with meals for 5 days a week | \$225.00 |

WE ARE OFFERING A FIVE DAY MEAL PLAN ONLY. BECAUSE ALL COURSES AND EXAMINATIONS DO NOT CONCLUDE ON THE SAME DATE THE ROOMS MAY BE OCCUPIED UNTIL THURSDAY AUGUST 14TH. THE MEAL PLANS WILL CONCLUDE WITH THE EVENING MEAL ON TUESDAY AUGUST 12TH. THE PLANS WILL BEGIN WITH BREAKFAST JULY 2ND. THE MEAL PLAN THIS YEAR WILL NOT INCLUDE UNLIMITED SERVINGS AND WILL BE OFFERED IN THE MAIN CAFETERIA. THIS APPLICATION MUST BE ACCOMPANIED BY A DEPOSIT OF \$25.00 WHICH WILL BE APPLIED TO YOUR TOTAL RESIDENCE FEE. THE BALANCE OF THE FEE IS PAYABLE ON OR BEFORE THE OPENING DAY OF THE SUMMER SESSION.

PLAN II

- () Single room without meals \$25.00 a week
() Double room without meals \$20.00 a week

SPECIAL MEAL TICKETS WILL BE AVAILABLE FROM BEAVER FOODS IN UNITS OF \$10.00 EACH, WHICH OFFER YOU A 10% SAVING ON LIST PRICES IN THE MAIN CAFETERIA.

I AGREE TO THE PROVISIONS IN THE CALENDAR WITH REFERENCE TO LAKEHEAD UNIVERSITY RESIDENCE AND TO BE BOUND BY ALL THE CONDITIONS, PROVISOs AND REGULATIONS PERTAINING THERETO.

.....
Signature of Applicant

Date _____



Spring Term
May 8-June 25

Spring Term
May 8-June 25

FACULTY OF ARTS ANTHROPOLOGY COURSES

Anthropology 3610/11 — Anthropological Linguistics I
An introduction to descriptive linguistics, with emphasis on field procedures for learning and describing the structure of a given language. Experience in actual linguistic work with a non-European language is provided.

Session 5 — Mr. John Rush

Anthropology 3612/13 — Anthropological Linguistics II
Prerequisite: Anthropological Linguistics I
The uses of descriptive linguistics by other social and behavioral sciences; introduction of ethnolinguistics, sociolinguistics, psycholinguistics, semantics; relation of language to culture, behavior, and thought.

Session 5 — Mr. John Rush

ECONOMICS COURSE

Economics 2202/03 — Macroeconomics
Prerequisite: Economics 1100
National Income determination. Classical and Keynesian theories of employment, interest and money. Analysis of business cycles, inflation and economic growth; policy for growth, stability and full employment, in the light of recent theoretical developments.

Session 4 — Mr. C. A. Nicolaou

Economics 3438/39 — Labour Economics - II. Labour Relations and Institutions
Prerequisite: Economics 3118 or consent of instructor
The origins and development of trade unionism; employer and management organizations; the legal framework of industrial relations; collective bargaining; public regulation and intervention; productivity; manpower planning and collaboration of labor, management and government.

Session 4 — Dr. C. A. Jecchinis

ENGLISH COURSES

English 2006/07 — Theatre Arts
Prerequisite: English 1100
This course is designed to provide an introduction to theatre arts, to develop a greater appreciation and understanding of the art of the theatre, and to encourage the growth of creative imagination and expression.

Session 4 — Mrs. D. Miller

English 2906/07 — Children's Literature
Prerequisite of co-requisite: English 1100 or permission of the department
A survey tracing the literary and historical development of children's literature from the earliest times to the present. Emphasis in the course will be placed upon the study and evaluation of children's literature as a literary art form.

Session 5 — Mr. W. Ladouceur

GEOGRAPHY COURSES

Geography 1100 — Introduction to Geography
An introduction to the nature of geography: its field of study, its concepts, its modes of operation.
Geography in Theory: A brief survey of the history of geographical thought and a consideration of current theories and techniques.
Geography in Practice: Concepts and problems in the fields of physical cultural and economic geography.
Geographical Techniques: Laboratory exercises in map projections and cartography.
Exercises on the relationship of climate, geomorphology and soils to human activities.

Session 4 — Mr. B. Heggie

Geography 4607 — Regional Studies
Prerequisite: Geography 3602/03 or permission of the department
The concept of the region will be examined with reference to a broad appreciation of the physical, political, social and economic geography of a chosen area, and will involve the study in depth of selected areas.

Session 5 — Mr. R. Dilley

LANGUAGE COURSES

French 3600/01 — French-Canadian Novel
Prerequisite: French 2600
Evolution of the French-Canadian Novel from 1837 to the present: a study of content and techniques, with reference to the historical and social context.

Session 4 — To be announced

Spanish 3700/01 — History of the Spanish Language and Medieval Literature
Prerequisite: Spanish 2200
Study of the development of Spanish language, from its origins to 1500. A survey of Medieval literature will be offered in the second part of the course and texts of linguistic relevance will be examined.

Session 5 — To be announced

POLITICAL STUDIES COURSES

Political Studies 2300/01 — Introduction to Comparative Government

A systematic comparison of political systems and an examination of the problems and principles of comparative political analysis.

Session 4 — Dr. P. Sarbadhikari

PSYCHOLOGY COURSES

Psychology 3201 — Introduction to Psychometric Theory
Prerequisite: Psychology 1100

Theory and principles underlying the construction and use of psychological tests. A critical evaluation of intelligence, learning, achievement, aptitude, interest, and personality tests.

SOCIAL WORK COURSES

Social Work 3401 — Theory and Practice of Social Work I
Introduction to the theories, concepts, principles, values and ethics relevant to Social Work practice with individuals, groups, and communities. It integrates knowledge drawn from other disciplines and the methods of Social Work intervention.

Session 5 — To be announced

Social Work 4401 — Theory and Practice of Social Work II
Prerequisite: Social Work 3401 and 3501 or consent of Director

Indepth analysis of knowledge and value base of Social Work practice. Critical examination of selected theories, concepts, and principles and their interrelationships in the methods of Social Work intervention.

Session 4 — To be announced

Social Work 4909 — Seminars
A number of seminars may be offered on the basis of student and faculty interests. Independent study by small numbers of students on selected topics such as social problems and social work, fields of practice and supervision designed to meet the needs of individual students in special situations.

Session 5 — To be announced

SOCIOLOGY COURSES

Sociology 2202/03 — Social Problems
Prerequisite: Sociology 1100 or permission of the instructor

A study of the nature and causes of contemporary social problems.

Session 4 — Dr. J. B. Minore

Sociology 2206/07 — Canadian Society
Prerequisite: Sociology 1100 or permission of the instructor

An evolutionary and comparative perspective on the study of “total” societies with special concentration on Canada as a national social order - levels of order, structural components, action subsystems, and functional processes.

Session 5 — Mr. A. Sparkes

Sociology 3100/01 — Social Psychology
Prerequisite: Sociology 1100 or Psychology 1100 or permission of the instructor

The scientific study of the process of interaction and its effects upon the thoughts, feelings, and behaviour of the individual. Within an interdisciplinary approach, research and theory concerning the following topics will be included: socialization, influence, self-concept, attraction, exchange, communication, norms, roles and leadership.

Session 4 — Dr. J. S. Stolte

BIOLOGY COURSES

Biology 4181 — Microtechnique
Prerequisite: Histology (Biology 3211) and/or Tree Development and Function (Biology 3331)

A laboratory course dealing with the preparation of biological material for the light microscope, principles of microscopy and photomicrography, paraffin and plastic imbedding routines — histochemistry and other special techniques, fungi and algae culture methods, fundamentals of electron microscopy.

Session 4 — Dr. A. D Macdonald

MATHEMATICAL SCIENCES COURSES

Mathematics 0411 — Elementary Computing
Problem solving with computers. Algorithms and flow charts. Stored programme computers. Programming in a high level language (e.g. Fortran).

Session 4 — Dr. J. C. Warkentin

Mathematics 0431 — Applications of Computers
This is a descriptive course designed to give students from all disciplines a view of the whole field of computer application. After a brief review of the evolution of computer technology the application of computers in sciences, business, information retrieval, language analysis, simulation of thought processes and education will be discussed. The course will conclude with a discussion of the social impact of computers.

Session 4 — Dr. J. C. Warkentin

PHYSICS COURSES

Liberal Science 2100 — Science & Man
This course is concerned with the history of ideas and the

people responsible for them; it is not a chronological listing of technological changes. It will give a cursory survey of the history of sciences, and will concentrate a deeper attention on periods and individuals of particular importance. Among the topics considered will be: The achievements of Babylon and Egypt in science and medicine. Greek astronomy and cosmology. Aristotle, Galen. The transmission of Greek science to the Western world through Islam. Mediaeval science. Harvey and the circulation of the blood. Galileo. Scientific studies of the 17th century. Newton. Theories of electricity and magnetism in the 18th century. Faraday. Darwin and evolution. The idea of the electron. Students will be encouraged to base their studies on the original sources wherever possible.

Session 5 — Mr. D. G. Hughes

BUSINESS ADMINISTRATION COURSES

Business 0137 — Problems in Labour Relations I
Problems in Labour Relations I is designed to provide the student with an introduction to the field of industrial and labour relations including some practical training in the development and use of modern techniques. It is primarily concerned with the difficulties that arise in the day-to-day administration of the collective bargaining relationship. Topics will include: (1) union behaviour, structure, and operation - unionization of a company’s employees, why employees join unions, and management’s rights when confronted with an organizational drive; (2) contract negotiations - the strategy and tactics of bargaining by both management and the union; (3) contract administration - the day-to-day handling of problems under a union contract involving such matters as discipline and discharge, promotions, layoffs, subcontracting, automation, union security, grievance procedure and arbitration.
Session 5 — Mr. G. Phillips

Business 3067 — Finance
The role of the financial manager and his responsibilities, planning for funds, capital budgeting, management of short, intermediate and long-term funds.
Session 5 — Mr. U. P. Rege

Business 3068 — Organizational Behaviour and Administration
This course has been designed to provide a comprehensive introduction to organization theory. The overall aim of the course is to develop an awareness of human behaviour under the constraints imposed by organization. Theory drawn from research in the behavioural sciences and management sciences is introduced to provide an analytical framework on which to base decisions in dealing with the complexities of human behaviour in modern organizations.

Session 4 — Mr. S. B. Handford/ Dr. H. Sankar

Business 4133 — Systems and Procedures
Business systems as applied to computers including flow-chart analysis of problems programming and coding using various computer languages.

Session 5 — Mr. W. C. Honey

NURSING COURSES

Nursing 3131 — Clinical Nursing
The components of the nursing process will be utilized to develop a Frame of Reference that will enable nurses to move effectively, meet the total health needs of an individual.

Students will have an opportunity to develop skills in primary assessment, decision making, and planning holistic care, utilizing the theoretical structure of the nursing process.

Session 4 — To be announced
(Tuesday, Thursday 4:45 - 6:45)

Nursing 3135 — Promotion & Implementation of Mental Health Concepts in Nursing
Prerequisite: Nursing 2039
Clinical application of mental health concepts and psychiatric nursing with weekly seminars.
Session 4 — To be announced
(Tuesday, Thursday 4:45 - 6:45)

PHYSICAL AND HEALTH EDUCATION COURSES

BPHE 3060 — Measurement and Evaluation of Physical Activity
A course on elementary statistics, sport skill tests, and methods of grading with emphasis on elementary and secondary school levels.

Session 5 — To be announced

BPHE 3062 — Kinesiology
A study of man in motion, with particular emphasis on mechanical analysis and the introduction of the use of cinematography in movement analysis. A term project involving a minor thesis based upon analysis of human movement will be required. Electromyography may be available for advanced students.
Session 4 — Miss B. Benson

BPHE 3063 — Human Motor Performance and Learning
Theories of motor performance and learning, their application to physical education and examination of specific areas such as stress, practice distribution, feedback, transfer and mental practice.
Session 5 — Mrs. V. Widdop Mr. G. Garvie



Summer Term

July 2 - August 14

Summer Term

July 2 - August 14

FACULTY OF ARTS

ANTHROPOLOGY COURSES

Anthropology 1012 — Culture, Man and Nature

A general introduction to the fields of physical anthropology and archaeology, including characteristic problems studied in the analysis of human evolution, race, and Old and New-World prehistory.

Session 1 — To be announced

Anthropology 1014 — Culture, Man and Society

A general introduction to the fields of social and cultural anthropology, including characteristic problems studied in the analysis of cultural evolution, social organization, and culture change.

Session 1 — To be announced

Anthropology 2314/15 — Canadian Indian Ethno-History

Prerequisite: Permission of the instructor

A study of the Canadian Indian focusing on culture change during the fur trade and the development of the West. Modern emphasis on the structure of Treaties and the organization of Reserves.

Session 3 — Mr. P. Driben

Anthropology 2316/17 — The Canadian Indian Today

Prerequisite: Permission of the instructor

Attention will be given to contemporary issues and problems with respect to the Canadian Indian. These issues and problems will be considered from the viewpoint of the Indian as well as the anthropologist.

Session 3 — Mr. P. Driben

ECONOMICS COURSES

Economics 1100 — Principles of Economics

The nature of economics; economic organizations; price determination; money and banking; national income determination and employment theory; economic fluctuations; international trade and Canadian economic problems.

Session 3 — Mr. F. Anderson

ENGLISH COURSES

English 1100 — Major British Writers

A survey of English literature with intensive reference to individual works, in conjunction with a writing program

aimed at increasing the student's ability to comprehend and to practice clear and effective presentation of material in clear and effective English style. The course is directed towards enlargement of vision and skill to express that vision.

Session 2 — Mr. W. G. Heath

English 2700/01 — Canadian Literature in English

Prerequisite: English 1100 or permission of the department
The rise and development of poetry and prose literature in English-speaking Canada from the beginning to the present time.

Session 2 — Mr. D. Crozier

English 3908/09 — American Drama

Prerequisite: English 1100, 2600 or 3600 or permission of the department

A survey of American drama from its origins in the eighteenth century through the present. Representative plays of approximately two hundred years of American drama will be studied in this course.

Session 3 — Dr. G. Merrill

English 4901 — Old English and History of the Language

Prerequisite: Fourth-year honours standing, or permission of the department

Anglo-Saxon grammar and syntax; oral reading, translation of prose and poetry; etymological study, literary appreciation; development of the language.

Session 1 — Mr. J. Futhey

FINE ARTS COURSE

Fine Arts 0200 — Man and His Visual Arts

A studio based course concerned with exploring the elements of design through drawing and painting; a fundamental course designed to illuminate further study experience, both for the artist actively involved in creative expression and for the art enthusiast who admires or collects the works of others. This course provides the student with a basic vocabulary of arts and the insight essential to the formation of personal standards of judgment that will enable him to distinguish the genuine from the fake, art from craft and the spontaneous from the contrived. Enrolment limited to twenty-five students.

Session 4 — To be announced

Fine Arts 0600 — Music History and Literature

An introduction to music in Western civilization. Historical perspective and stylistic analysis of music from the beginning to the present. Listening and discussion of significant musical works.

Session 5 — To be announced

Fine Arts 1100 — Introduction to Ceramics

The history of pottery; the theoretical and practical aspects of clay and glaze formulation, the preparation of clay and glazes, throwing, hand building, mouldmaking and slip casting; decoration and design.

Session 5 — To be announced

Fine Arts 1300 — Introduction to Photography

A prerequisite course to all photography courses. It is a practical study of the conventional, basic laboratory techniques used in black and white photography along with practice in visual fundamentals using various camera formats.

Session 4 — To be announced

GEOGRAPHY COURSES

Geography 3404/05 — Resource Geography

Prerequisite: Permission of the department

An introduction to the geographical study of natural resources, their characteristics and their relationships with and utilization by man. Selections will be made from the major resource types including land, water, air and biotic resources. Consideration will be given to the influence of cultural phenomena, including perception, technology economics and politics, on spatial patterns of natural resources and resources use. Present-day problems and trends in resource development and conservation in Canada will be emphasized.

Session 4 — To be announced

Geography 2504/05 — Economic Geography

Prerequisite: Geography 1100 or permission of the department

Analysis of the spatial organization of economic activity. Emphasis is placed on the locational characteristics of primary, secondary, and tertiary activities and the factors contributing to their spatial distribution.

Session 5 — To be announced

HISTORY COURSES

History 1200 — Ancient History to 500 A.D.

The development of western civilization from the period of its middle eastern inception, through the Greek epoch, and up to the close of the Roman Imperium, and also an introduction to the methodology of writing and studying history.

Session 4 — To be announced

History 2500/01 — American

Prerequisite: One first-year history course

An analysis of the development of U.S. institutions, assumptions, and attitudes from the last 18th century to

the present; an attempt to understand the phenomenon of the modern U.S. in terms of its historical evolution.

Session 2 — Mr. V. C. Smith

History 3302/03 — Ontario History

Prerequisite: Permission of the department

An examination of the role of one province within Canada, and the role of Northwestern Ontario and other selected areas in the history of the province.

Session 1 — Dr. M. Arthur

LANGUAGE IMMERSION PROGRAMME

English (ESL) 1000 — English as a Second Language

This course is open to students whose mother tongue is not English and who have not had their secondary schooling in English. Students may be enrolled only with the permission of the chairman of the department. Grammar review. Composition. Intensive oral drills and reading practice. Course acceptable for language requirement.

ALL DAY CLASSES — To be announced

French 1000 — Elementary French

Prerequisite: Grade 11 or equivalent

An elementary but not a beginner's course. Exercises in pronunciation, dictation and translation. Study of selected texts.

ALL DAY CLASSES — To be announced

French 1100 — Intermediate Oral French

Prerequisite: Grade 13 or French 1000

This intensively oral course, which includes written exercises, is intended to provide the student with oral fluency in modern idiomatic French.

ALL DAY CLASSES — To be announced

French 2100 — Advanced Oral French

Prerequisite: French 1200

All-round training in communication in French language with intensive emphasis on oral skills but including written exercises and readings.

ALL DAY CLASSES — To be announced

LANGUAGE COURSES

Literature 0300 — World Literary Masterpieces in Translation

Major works of world literature (other than English), studies in translation. Comparison of the development and treatment of a given theme, varying from year to year (e.g. the epic, the hero, tragic literature, religious thought, war and peace).

Session 3 — To be announced

PHILOSOPHY COURSES

Philosophy 1102 — What is Man?

An introduction to philosophy about human personality; philosophy of religion and logic. We shall consider such questions as "Why should a citizen obey the law?"; "Should the law enforce morality?"; "Can it be proved or disproved that God exists?". We shall also consider how one goes about answering such questions, and how one tells a good argument from a bad one.

Session 2 — Dr. G. Tomsons

PSYCHOLOGY COURSES

Psychology 1100 — Introductory Psychology

A survey of the subject matter, basic theoretical positions and methods of psychology and examination of the major research interests in human and animal study areas. The emphasis of the course will be on the acquisition of appropriate tools for the analysis and evaluation in later courses.

Session 3 — To be announced

Psychology 2101 — Statistical Methods for Behavioural Research

Prerequisite: Psychology 1100

Application of statistical methods to behavioural problems; descriptions of behavioural data in terms of averages, measures of variability, and measures of relationships; problems of sampling theory and tests of statistical hypotheses.

Session 2 — To be announced

POLITICAL STUDIES COURSES

Political Studies 2500 — Introduction to the Role of Ideas in Politics

A study of the views of Greek, Roman, Medieval and Early Modern thinkers on the theme of Political order and stability. The theme will be illustrated by reference to Plato, Aristotle, Cicero, Augusting, Aquinas, Dante, Marsilius, Machiavelli, Hobbes and Locke.

Session 3 — Dr. G. Engholm

Psychology 2201 — Industrial Psychology

Prerequisite: Psychology 1100

A survey of the applications of psychology in industry and commerce, emphasizing scientific methodology and research findings in the areas of personnel psychology, human engineering, organizational theory and consumer behaviour.

Session 5 — To be announced

Psychology 2900 — Family Life Programme (Part I) and

Psychology 3900 — Family Life Programme (Part II)

The Family Life Programme is not designed merely to give information on the physiological and medical facts of sex. It emphasizes the social, psychological and medical aspects of sex and sexuality plus the moral, religious and cultural factors which are prominent in society today.

Session — All day classes — Dr. K. Wood/Ms. G. Warren

Psychology 3801 — Educational Psychology

Prerequisite: Psychology 1100

The application of psychological principles to education; growth and development, learning, personality, teaching, guidance, psychological measurement.

Session 4 — To be announced

RELIGIOUS STUDIES COURSES

Religious Studies 3802 — World Religions

A historical and critical introduction to the religions of the world, with special attention to Hinduism, Buddhism, Judaism, Christianity, Islam. An enquiry into the history of religions, and the manifestation and meaning of religion in relation to their cultural context.

Session 4 — Dr. D. Kensley

SOCIAL WORK COURSES

Social Work 1100 — Introduction to Social Work

An introduction to social work which includes a survey of the history and development of social work, concepts of the various methods of social work practice and their relationship to social and behavioural sciences' concepts and to the various value and other systems. There is no field work content but students will be exposed to either observation of or explanation of the services existing in the community.

Session 4 — To be announced

Social Work 3501 — Field Instruction I

Planned and supervised practice of Social Work in approved settings in which the students obtain an opportunity to apply the theories and principles learned in the classroom.

Session 3 — To be announced

Social Work 4501 — Field Instruction II

Prerequisite: Social Work 3401 and 3501

A combined Social Work practice experience and seminars for deepening and refining the student's knowledge and skills in Social Work intervention. The student will spend an equivalent of 2½ days per week in field work experience.

Session 2 — To be announced

SOCIOLOGY COURSES

Sociology 1100 — Introduction to Sociology

Survey of the field of sociology; culture and society, institutions, organizations, processes, control, ecology and population, disorganization and deviant behaviour, and other aspects of group living.

Session 3 — Mr. L. Logan

Sociology 2220/21 — Criminology

Prerequisite: Sociology 1100 or permission of the instructor

A study of criminal behaviour; nature and incidence of crime and delinquency; theories of crime causation and prevention; punishment and reform.

Session 4 — To be announced

Sociology 3506/07 — Political Sociology

Prerequisite: Sociology 1100 or permission of the instructor

An intensive analysis of sociological factors in the political realm. An examination of political processes in terms of personality, roles, class and ethnic positions, and communications media.

Session 3 — Mr. C. T. Hathaway

BIOLOGY COURSES

Biology 1121 — Natural Science

A course which integrates the earth's physical feature with plant and animal life on earth by emphasizing the relationships of the three. The course deals with the origin of the earth and development of its physical features; origin, structure and function of living organisms; organisms and the environment, evolution; the future. Laboratory demonstrations will be available for many sessions for the course so that the student may supplement the lecture material.

Session 1 — To be announced

Biology 2121 — Functional & Development Biology

Analyses of growth, development, differential and function in somatic and reproductive systems in plants and animals.

Session 3 — To be announced

Biology 3301 — Plant Taxonomy

Principles of plant taxonomy; identification and study of major seed plant families with emphasis on local flora. The Student is expected to collect and identify at least seventy-five plants.

Session 1 — Mr. D. R. Lindsay

CHEMISTRY COURSES

Liberal Science 2200 — Chemistry and Everyday Life

The application of chemistry to many aspects of modern life. Amongst the topics discussed are: The structure of

atoms (including radioactivity, nuclear chemistry and their applications). The association of atoms into simple molecules (water, sulphur dioxide, nitrogen oxides, etc.). Introduction to water and air pollution. More complex molecules: the chemistry of carbon compounds (petroleum chemicals, rubbers, plastics, fibers and detergents). Chemistry associated with life processes (food, food additives, drugs, oral contraceptives). Spectroscopy: the instruments of chemistry.

Session 1 — To be announced

GEOLOGY COURSES

Geology 1101 — Fundamentals of Geology

Prerequisite: A Grade 13 Science Subject

The external and internal processes which have formed the crust of the earth, the ocean basin and the hydrosphere; and the general physical and chemical principles relating to the origin and development of the earth as a whole. Laboratory work will include the mineralogy of the main rock forming minerals and economic sulphide and oxide deposits, the petrography of the principal rock types in the earth's crust, the identification and use of fossils as indicators of relative time, and the interpretation of geological maps.

Session 2 — Dr. E. L. P. Mercy

MATHEMATICAL SCIENCES COURSES

Mathematics 0120 — Mathematics, the Analytical Tool of Science

The role of mathematics in formulating and solving problems, both from the traditional sciences and the newer areas of the social sciences. The emphasis is on the "mathematical method", rather than the mathematics. The topics chosen range widely to accomplish this goal and will include history and the development of geometry.

Session 1 — To be announced

Mathematics 1160 — Calculus and Algebra

Prerequisite: Grade 13 Mathematics

Same calculus and algebra as 1181 but treated in a more intuitive manner. The use of the computer is omitted.

Session 3 — To be announced

Mathematics 2321 — Statistics

Prerequisite: Mathematics 1160

Probability; discrete and continuous probability distributions; sampling distributions Chi-square, t, and F; test of hypotheses; regression and correlation; and analysis of variance.

Session 2 — To be announced

PHYSICS COURSES

Liberal Science 2080 — Contemporary Physical Thought

A course offered to nonscientists and presented also in the Humanistic Studies series. Though of the utmost importance in the development of our modern culture the literature of science is often neglected, perhaps because of its complexity and mathematical nature. The object of this course is to make the nonscientist aware of the implications and some of the content of this body of material. The course will be given at a nonmathematical level under roughly three headings.

1. Cosmology: Theories of the Universe and of creation of the Universe. Methods used to study the Universe, Solar system and Earth.
2. Physical Laws: A study of the laws of physical science. This will include a discussion of the conservation laws, symmetry principle and entropy with illustration of wave mechanics and relativity.
3. Frontiers: A discussion of the most recent advances in physical science. This will include such topics as elementary particles, instruments, nuclear physics, superconductivity, lasers and space exploits.

Session 4 — To be announced

BUSINESS ADMINISTRATION COURSES

Business 0136 — Personnel Management I

Prerequisite: Business 3068 or permission of the instructor
This course has been designed to provide a comprehensive introduction to the role of Personnel in the broad field of human resource management. The overall aim of the course is to familiarize participants with the many functions of personnel management. Course content will stress the principles and techniques used in manpower planning, staffing, training and development, wage and salary administration, and performance evaluation.

Session 5 — To be announced

Business 1061 — Organization

An introductory course in management dealing with the major functional areas of Finance, Human Relations, Production and Marketing. The General Management section attempts to provide a summation and show the interrelationship of these functions from a policy point of view. The emphasis is upon the management of organizations, whether they be education, medical, religious, business, labour or government. The case study method of instruction is used extensively along with lectures, films and role-plays.

Session 4 — To be announced

Business 2035/0935 — Computer Concepts

This course introduces the student to the capabilities and limitations of electronic data processing as it applies to the field of management. Students will explore the concepts of management information systems, electronic business data processing and will be required to develop a basic facility in computer programming. Topics include: Historical development, hardware and software, computer memory, external data representation, systems analysis and design and control in computer systems.

Session 5 — To be announced
(Tuesdays, Thursdays — 7:00 - 9:30)

Business 2063 — Accounting

Principles of accounting and some of their applications in modern business. Sole Proprietorships, partnerships and limited companies are discussed in some detail; consideration is given to the managerial aspects of accounting with emphasis upon departmental accounting, budgets and various specialized or supplementary statements.

Session 4 — To be announced

Business 3039 — Law

A study of commercial law to assist the administrator in understanding the legal framework in which he must make his decisions.

Session 5 — To be announced
(Monday, Wednesday — 7:00 - 9:30)

Business 4164 — Operations Research and Computer Applications

Management decision making through management science. Problem solving by the design, application and evaluation of models, including their embodiment in computer programmes and simulation methods. Consideration of specific techniques: Linear programming, waiting lines, inventory control and demand forecasting, games and strategies, and Markov analysis. Business systems and the computer with applications within competitive business and hospitals.

Session 5 — To be announced

ENGINEERING COURSES

Engineering Analysis, Part A

Formulation of problems arising in Engineering; interpretation of the associated equations and their solution. Examples chosen from elasticity, dynamics and vibrations, fluid mechanics, heat transfer, electric circuit theory, modern physics, and wave phenomena. Problem solutions include the use of ordinary differential equations, complex numbers, Fourier series, vector analysis, numerical analysis, iteration, relaxation, finite difference. Emphasis of correspondence between mathematical operations and their physical counterparts and the analogies between different physical phenomena.

Engineering Science

In parallel with Engineering Analysis, a twelve week program of study will be conducted in the following areas: Engineering Mechanics, Mechanics of Materials, Thermodynamics, Fluid Mechanics, Chemistry (Physical and Organic), Electricity and Magnetism.

Students wishing to register in this programme should contact Dr. G. Fleming for information regarding starting dates and times of classes.

NURSING COURSES

Nursing 4037 — Nursing Administration and Teaching

Prerequisite: Nursing 3037

A study of nursing administration and teaching principles which combine lecture and clinical practice. The student is provided with opportunity to observe and apply these principles while under the guidance of the faculty.

Session 4 — (Tuesday, Thursday — 4:45 - 6:45)

PHYSICAL AND HEALTH EDUCATION COURSES

BPHE 2132 — Organization and Administration

A study of the factors involved in programme planning conducive to the realization of desirable objectives in physical and health education including budgets, equipment considerations, hiring of staff, public relations, facility planning and the planning of athletic activities at all levels.

Session 1 — Dr. R. McKechney

PBHE 2133 — Health Education

Good Health - personal and community. A lecture course on the human body at work and rest, emotional life,

marriage, reproduction, disease, consumer health and other factors which man encounters hereditarily, environmentally, and interpersonally.

Session 2 — Dr. A. W. Biancani

BPHE 2134 — Athletic Injuries

Theoretical and practical experience in first aid, taping and wrapping, massage, elementary physiotherapy and various preventive techniques of training and conditioning for athletic events.

Session 1 — Dr. R. McKechney

BPHE 4060 — Physiology of Exercise

An examination of the essential principles and facts in human physiology. Special attention to be given to skeletal muscles, cardiorespiratory systems.

Session 5 — Dr. N. Lavoie

BPHE 4065 — Foundations of Recreation

An introduction to recreation as applied to the community school setting. Consideration of participation by both private and public agencies including all levels of government.

Session 2 — Mr. H. Akervall

BPHE 4168 — Athletic Medicine

A comprehensive course designed for physical educators which includes theory sessions and practical laboratory work. Content includes Therapeutic Modalities, Training Conditioning, Drugs in Sport, Equipment, Legal Liability, Massage, Taping and Rehabilitation procedures.

Session 4 — Dr. A. W. Biancani

FACULTY OF EDUCATION COURSES

The Bachelor of Education (Extension) Programme

The Faculty of Education offers a programme which enables experienced teachers to qualify for the B.Ed. degree through part-time study.

The programme is designed to accommodate teachers who hold an academic degree as well as those who wish to pursue academic and professional studies concurrently.

ADMISSION REQUIREMENTS

1. A certificate or letter of standing qualifying the applicant to teach in an elementary or secondary school in the province of Ontario, or equivalent professional qualifications.
2. An approved university degree, or evidence of admission to a Bachelor of Arts or Bachelor of Science programme at Lakehead University.

B.Ed. Degree Requirements (Extension Programme)

To qualify for the B.Ed. Degree, candidates enrolled in the Extension Programme must:

1. Hold an approved university degree or have completed all requirements for a B. A. or B.Sc. degree.
2. Attain passing grades with an overall average of at least 60 per cent in two full courses:
 - (a) one course selected from Group I (Curriculum and Instruction in Subject Fields) or Group II (General Curriculum Theory and Practice); and
 - (b) one course selected from Group III (Educational Foundations) or Group IV (Theory and Practice in Specialized Fields).

NOTE: Some courses offered by B.Ed. (Extension) credit also lead to Ontario Ministry of Education certificates. Admission to these courses may require additional qualifications.

B.Ed. (Extension) COURSES

The B.Ed. (extension) programme is designed for teachers who wish to keep abreast of current developments in educational theory and practice. A selection of courses will be offered in each Group during Summer and Winter Sessions. These courses are intended to supplement and extend knowledge attained in pre-service teacher education programmes.

THE FOLLOWING COURSES WILL BE OFFERED DURING THE 1975 SUMMER TERM:

GROUP I

Education 4503 — General Science in the Intermediate Grades

A second course of Intermediate (Grades 7 to 10) science curriculum and instruction for teachers. The course will provide an opportunity for each participant to develop a

science teaching project of his choice. Consideration will be given to development of curricula at various levels.

Session — To be announced

Education 4521 — Type A Curriculum Seminar in High School Chemistry

In depth study of the high school Chemistry curriculum with an emphasis on the Honour Graduation programme.

Session — To be announced

Education 4522 — Type A Curriculum Seminar in High School Physics

In depth study of the High School Physics curriculum with an emphasis on the Honour Graduation programme.

Session — To be announced

Education 4524 — Type A Curriculum Seminar in High School History

In depth study of the High School History curriculum with an emphasis on the Honour Graduation programme.

Session — To be announced

Education 4525 — Type A Curriculum Seminar in High School English

In depth study of the High School English curriculum with an emphasis on the Honour Graduation programme.

Session — To be announced

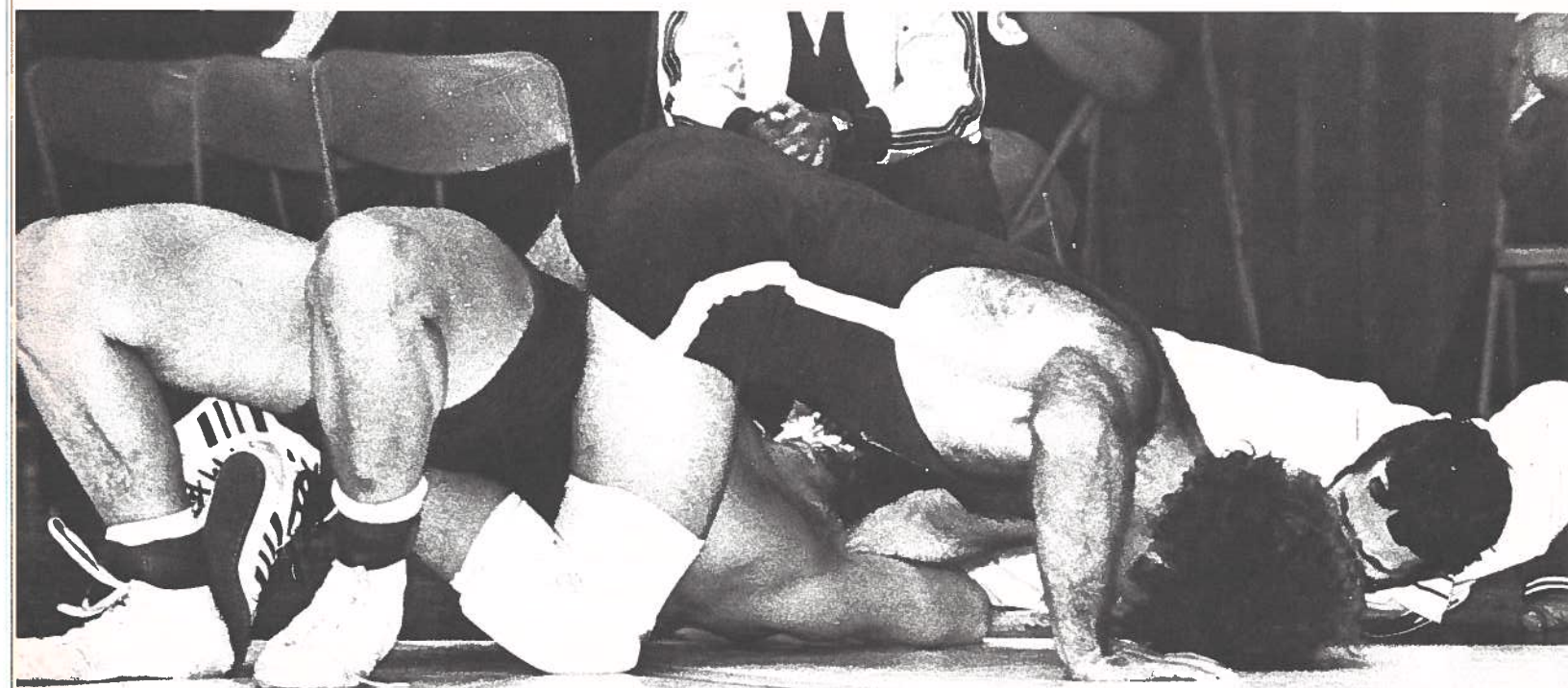
Education 4527 — Type A Curriculum Seminar in High School Mathematics

In depth study of the High School Mathematics curriculum with an emphasis on the Honour Graduation programme.

Session — To be announced

To be admitted to a Type A Seminar the applicant must:

- (a) hold a Type B certificate
- (b) hold a degree of Bachelor of Arts or Science from an Ontario university, or a degree the Ministry considers equivalent thereto in a program
 - i) that requires four years of university study, or the equivalent thereof, beyond Grade XIII, to a total of at least sixty university credits, and
 - ii) in which the candidate has obtained at least second class or equivalent standing in each of one or two specialist fields, including, in the case of two specialist fields, at least forty-two credits with not fewer than eighteen university credits in each of the specialist fields or, in the case of one specialist field, at least twenty-seven university credits.



Candidates who successfully complete Type A Seminar requirements will be recommended to the Minister of Education for the Interim Type A Certificate in the subject specialty concerned.

APPLICANTS FOR ADMISSION TO TYPE A SEMINARS SHOULD WRITE TO THE REGISTRAR, LAKEHEAD UNIVERSITY, REQUESTING REGISTRATION FORMS. A special form is used for Type A registration.

Education 4540 — Developmental Reading

A course designed to increase the overall knowledge and teaching competence of elementary school teachers who are currently involved in reading instruction. Topics will include a definition of reading readiness, word recognition skills, comprehension and critical reading skills, reading in content areas, reading problems, evaluation, and trends in reading research and reading education.

Session — To be announced

Education 4547 — Art in the Elementary School

This course has the dual aim of developing the teacher's interest in an understanding of art forms, and of assisting teachers to promote aesthetic taste, creative expression and responsibility for the aesthetic character of the environment in elementary school children. Topics will include elements and principles of design, colour harmony and the history of art. Extensive practical experience will be offered in a variety of media suitable for classroom use.

Session — To be announced

GROUP II

Education 4561 — School and Community

A study of the school-community relationship development of effective co-operation through individual conferences, group discussions and joint projects; examination of community services and inter-professional relations. The course will encompass a study of the Community School concept and field experiences.

Session — To be announced

GROUP III

Education 4568 — Moral Education in Childhood and Adolescence

An inquiry focused on analyses of specific methods used to foster moral development in children and adolescents using theories of moral development as a base. Consideration will be given to design of materials appropriate to these methods.

Session — To be announced

GROUP IV

Education 4585 — Advanced Special Education

A review of current research and trends in the education of

exceptional children; administration and supervision of special education services; education diagnosis and adaptive programming. The course will include a supervised practicum in diagnosis and tutorial instruction.

Prerequisites: Two of Education 4575, 4576 and 4577 and/or Ontario Ministry of Education Intermediate certificate in Special Education and evidence of at least one year of successful teaching experience in Special Education subsequent to issuance of the Intermediate Certificate in Special Education.

Session — To be announced

THE MASTER OF EDUCATION PROGRAMME

The Faculty of Education offers programmes leading to the M.Ed. degree with specialization in Educational Administration or Curriculum Development. Information about these programmes may be obtained from:

THE CHAIRMAN
Continuing Teacher Education Programme
Faculty of Education
Lakehead University

The following M.Ed. courses will be offered for the 1975 Summer Term;

Education 5510 — Geography in the School Curriculum

A critical inquiry into the nature, structure, and pedagogical methodology of geography in school curricula, including studies of principles influencing content, sequential development of concepts, and relationships with environmental and social studies.

Session — To be announced

Session — To be announced

Education 5513 — Foundations of Curriculum

Examination of the basic determinants of curriculum including the nature of knowledge, the process and conditions of learning, the characteristics of learners, cultural values, social aims, and political and economic influences. Integrative models of curriculum development will be studied.

Session — To be announced

Education 5518 — English in the School Curriculum

A critical inquiry into the nature and structure of the English curriculum including a study of the scholarly and pedagogical principles governing such matters as content, sequence of instruction, appropriate methodology, and the relation between "English", "Communications", and "Humanistic Studies".

Session — To be announced

Education 5530 — Education Administrative Theory

An examination of modern organization and administrative theory and its application to schools and school systems. The nature and characteristics of formal and informal organizations are examined.

Session — To be announced

Education 5531 — Supervisory Relationships

Behavioral theory and research especially as they relate to leadership, decision making, group processes and change and innovation are examined and applications to the supervisory role of administrators are studied.

Session — To be announced

Education 5533 — Professional Negotiations in Education Organizations

A comprehensive study of collective bargaining, including the theories of bargaining, negotiating techniques and the implication of collective bargaining for public policy in

education. The course examines contemporary and historic problems which have affected the development of collective negotiations by professional groups.

Session — To be announced

Education 5550 — Methods of Research in Education

Basic concepts, methods and problems in educational research are considered, with emphasis on steps in the research process, formulation of hypotheses, design of research instruments, methods of data collection, and the writing of research reports. The major purpose of the course is to develop critical readers of educational research.

Session — To be announced

Education 5570 — Independent Reading Course

Independent study under the direction of a faculty member on a specialized topic of interest to the student.

Session — To be announced

