

Table of Contents

DIRECTORY FOR INQUIRIES	1	Extension Education	
DEGREES AND MAJORS AT A GLANCE	2	Academic Year 2002–2003	208
ACADEMIC YEAR 2002–2003	3	Charges and Fees	211
INTRODUCING NIPISSING UNIVERSITY		How to Apply	214
Governance	7	Academic Regulations/Course Information	214
History	7	Bachelor of Education in Extension	
Mission Statement	8	Degree Program	218
Coat of Arms and Motto	8	Diploma in Education Program	218
The Logo	8	Professional Development for Teachers	219
Services to Students	9	Aboriginal Programs	
Student Life	12	Native Classroom Assistant Diploma Program	235
GRADUATION	14	Native Special Education Assistant Diploma	
CHARGES AND FEES	15	Program	237
FINANCIAL AID, SCHOLARSHIPS, BURSARIES		Aboriginal Teacher Certification Program	239
AND AWARDS	21	Academic Regulations/Information	
FACULTY OF ARTS AND SCIENCE	41	(for all Aboriginal Programs	241
Administration and Faculty	41	Master of Education	
Admission Procedures and Regulations	42	How to Apply	244
Registration Procedures and Regulations	53	Admission Requirements	244
Academic Regulations/Information	55	Charges and Fees	245
Degree Requirements	60	Graduation	247
Program Requirements	70	Academic Regulations/Information	247
Spring and Summer Session 2002	110	Master of Education Courses	250
Course Descriptions	111	NIPISSING UNIVERSITY STUDENT POLICIES	
FACULTY OF EDUCATION	191	Policy on Academic Dishonesty	254
Full-time Academic Faculty	191	Student Records Policy	255
Teacher Education in North Bay	193	Guidelines for the Operation of the Senate Admissions,	
Bachelor of Education Degree		Petitions, and Promotions Committee	256
How to Apply	193	Guidelines for the Operation of the Student Academic	
Admission Requirements	194	Standing, Appeals and Petitions Committee	257
Registration	195	Policy on English Writing Competency	258
Academic Regulations/Information	195	Policy on Course Waiting Lists in Arts and Science ..	260
Primary/Junior Program	198	Policy on Individualized Study Courses in	
Junior/Intermediate Program	199	Arts and Science	261
Intermediate/Senior Program	202	Policy and Procedures for Exchange Students	262
Advisory Committee on Teacher Education	206	Others	262
		GOVERNING OFFICERS	263
		ADMINISTRATIVE OFFICERS	264
		INDEX	266

Directory for Inquiries

For information or assistance, please call (705) 474-3450:

General Inquiries	Ext. 4521	Letters of Permission	Ext. 4266
Aboriginal Services	Ext. 4252	Liaison Office	Ext. 4517
Academic Services (Advising)	Ext. 4265, 4315, 4379	Library	Ext. 4223
Admissions	Ext. 4521	Muskoka Campus	(705) 645-2921
Alumni Relations	Ext. 4573	Parking	Ext. 5505
Athletics	Ext. 4249	Placement Services	Ext. 4491
Appeals/Petitions	Ext. 4266	Practice Teaching	Ext. 4555
Audio Visual Department	Ext. 4256	Research Office	Ext. 4558
Bookstore/Campus Shop	Ext. 5347	Residence	(705) 474-2526 Ext. 2601
Campus Tours	Ext. 4517	Scholarships, Bursaries and Awards	Ext. 4311
Campus Walk Program	494-9192	Security Office	Ext. 5505 After hours cell, 498-7244
Career Counselling	Ext. 4331	Special Exam Requests	Ext. 4291
Centre for Continuing Business Education	Ext. 4219	Special Needs	Ext. 4235
Computer Services	Ext. 4342	Student Insurance Plan	Ext. 4507
Communications/Public Relations	Ext. 4528	Student Affairs Office	Ext. 4321
Counselling	Ext. 4331	Student Union	Ext. 4440
Course Registration	Ext. 4519, 4381	Transcripts	Ext. 4520
Extension (In-Service) Education	Ext. 4313, 4259	University Advancement	Ext. 4553
Fees/Finance Office	Ext. 4294, 4419	Writing Competency Test	Ext. 4266
Financial Aid	Ext. 4311	Writing Skills Program	Ext. 4559
Graduation	Ext. 4520		
Health Centre	Ext. 5261		

Fax Numbers

Aboriginal Services	472-8601
Faculty of Arts and Science Office	474-3072
Centre for Continuing Business Education	475-0264
Faculty of Education Office	474-3264
Faculty and Support Services	474-1947
Finance Office	474-5086
General Services Office	474-1947
In-Service Education Office	472-6498
Library	497-1455
Muskoka Campus	(705) 645-2922
Practice Teaching Office	495-1303
President	495-3677

Registrar's Office, Liaison Office	495-1772
Research Office	476-8037
Student Affairs Office	495-2850
Student Union Office	474-3954
University Advancement Office	495-2850
Vice-President, and Human Resources Offices	495-2601

E-mail Addresses

In-Service Education Office	nipueduc@nipissingu.ca
Finance Office	finance@nipissingu.ca
General Inquiries, Campus Tours	liaison@nipissingu.ca
Muskoka Campus	janl@nipissingu.ca
Registrar's Office	registrar@nipissingu.ca

Degrees and Majors at a Glance

Faculty of Arts and Science

Bachelor of Arts (General)

Majors

Administrative Studies
Classical Studies
Computer Science
Economics
English Studies
Environmental Geography
Fine Arts
Français **
Gender Equality and Social Justice
Geography
History
Mathematics
Native Studies
Philosophy
Psychology
Social Welfare
Sociology

Bachelor of Arts (Honours)

Majors

Criminal Justice
English Studies
Environmental Geography
Gender Equality and Social Justice – Combined Major
Geography
Geography of Community Economic Development**
Geography of International Development
History
Philosophy – Combined Major
Psychology
Sociology

Bachelor of Arts (Liberal)

Administration
Biology
Classical Studies
Computer Science
Economics
English Studies
Environmental Science
Fine Arts
French*
Français*
Gender Equality and Social Justice
Geography

Geology
History
Mathematics
Music*
Native Studies
Philosophy
Political Science*
Psychology
Religious Studies*
Russian*
Social Welfare
Sociology
Spanish*

Bachelor of Business Administration (Honours)

Streams

Accounting
Economics
Human Resources Management

Bachelor of Business Information Systems (Honours)

Bachelor of Science (General)

Majors

Biology
Computer Science
Mathematics
Psychology

Bachelor of Science (Honours)

Majors

Biology
Computer Science
Environmental Biology and Technology
Environmental Science and Physical Geography
Nursing
Psychology

Bachelor of Science (Liberal)

Biology
Computer Science
Environmental Science

Geology
Mathematics

Minors

Biology
Business Administration
Classical Studies
Computer Science
Economics
English Studies
Fine Arts
Gender Equality and Social Justice
Geography
History
Mathematics
Native Studies
Philosophy
Psychology
Social Welfare
Sociology

Electives

Anthropology
Astronomy
Biology
Business
Chemistry
Classical Studies
Computer Science
Economics
English Studies
Environmental Science
Film
Fine Arts
Français
French
Gender Equality and Social Justice
General Science
Geography

Geology
History
Law and Justice
Mathematics
Music
Native Studies
Philosophy
Physics
Political Science
Psychology
Religious Studies
Russian
Social Science
Social Welfare
Sociology
Spanish
University Success

* Available on a part-time basis only.

** As of the date of publication of the Calendar, the majors in Français and Geography of Community Economic Development were not available.

Faculty of Education

Bachelor of Education

Master of Education

Academic Year 2002–2003

Note: This academic year is for the Faculty of Arts and Science, Bachelor of Education and Master of Education degree programs. See index for academic year for Extension Education.

Fall/Winter Session 2002-2003

Arts, Business, Nursing, and Science

(Business Information Systems and upper-year Environmental Biology and Technology start dates follow below)

- **Term 1** – September 9 to December 2

Exams – Dec. 4 – Dec. 18

- **Term 2** – January 6 to April 4

Exams – April 7 – 30

- **Term 3** – September 9 to April 4

Exams – April 7 – 30

Full-time Bachelor of Education – August 26 – May 2

Master of Education

- **Term 1** – September 9 to December 18

- **Term 2** – January 6 to April 28

First Term 2002

Fri. June 28 Students submitting OSAP applications after this date will not be eligible for deferral of tuition fees.

Mon. July 15 Registration begins for Master of Education courses.

Wed. Aug. 7 Deadline for registration for full-time Education students. Students not registered by this date forfeit their offer of admission.

Fri. Aug. 9 Applications for 2002 fall graduation must be submitted prior to this date.

Note: There is no fall graduation ceremony. Graduates may attend the 2003 spring ceremony.

Fri. Aug. 16 A late registration fee will be charged to all students after this date.

Aug. 26 - 28 Computer Workshops for all Junior/Intermediate Bachelor of Education students.

August 29 Fall classes begin - Full-time Bachelor of Education students.

Mon. Sept. 2 Labour Day - University closed.

Tues. Sept. 3 English Writing Competency Test at 9:00 a.m.

Fall session courses with insufficient registration will be cancelled at this time - Master of Education.

Mon. Sept. 9 Fall classes begin - Arts, Business, Nursing, Science, and Master of Education (Business Information Systems and upper-year Environmental Biology and Technology start dates follow under separate heading on next page).

Fri. Sept. 13 Senate meeting.

Sat. Sept. 14 English Writing Competency Test at 9 a.m.

Fri. Sept. 20 No registration or course changes for Term 1 or Term 3 courses permitted after this date.

Students withdrawing from Term 1 or Term 3 courses after this date will receive a "W" on their academic record - Arts, Business, Nursing, and Science.

Fri. Sept. 27 No registration or course changes for Master of Education. Students withdrawing after this date will receive a "W" on their academic record.

Fri. Oct. 4 Senate meeting.

Mon. Oct. 14 Thanksgiving Day - University closed.

Thur. Oct. 31 Last day to apply to write the Master of Education comprehensive exam in January.

Fri. Nov. 1 Students withdrawing from Term 1 courses after this date will receive an "F" on their academic record - Arts, Business, Nursing, Science, and Master of Education.

Fri. Nov. 8 Senate meeting.

Mon. Nov. 18 Registration begins for winter session - Master of Education.

Mon. Dec. 2 Last day of Fall Session - Arts, Business, Nursing and Science.

Dec. 4-18 Final exams for Term 1 courses - Arts, Business, Nursing, and Science.

Fri. Dec. 6 A late registration fee will be charged to Master of Education students registering for winter session courses after this date.

Fri. Dec. 13 Winter session courses with insufficient registrations will be cancelled at this time - Master of Education.

	Senate meeting.
	Last day of fall/winter session classes - Education.
Wed. Dec. 18	Last day of Fall/Winter Session classes - Master of Education.

Second Term 2003

Mon. Jan. 6	Classes begin - Arts, Business, Nursing, Science, Education, and Master of Education.
Fri. Jan. 10	Senate meeting.
Sat. Jan. 11	English Writing Competency Test at 10:00 a.m.
Fri. Jan. 17	No registration or course changes for Term 2 courses will be permitted after this date. Students withdrawing from Term 2 courses after this date will receive a "W" on their academic record - Arts, Business, Nursing, Science, and Master of Education.
Sat. Jan. 18	Comprehensive exam for Master of Education - 1:00 to 4:00 p.m.
Fri. Jan. 31	Students withdrawing from Term 3 courses after this date will receive an "F" on their academic record - Arts, Business, Science, and Education.
Feb. 3-7	Study Week - Bachelor of Education.
Fri. Feb. 7	Applications for the 2003 Spring convocation must be submitted prior to this date.
Fri. Feb. 14	Senate meeting.
Feb. 17-21	Study week - Arts, Business, Nursing, and Science.
Fri. Feb. 21	Students withdrawing from Master of Education courses after this date will receive an "F" on their academic record.
Wed. Feb. 26	Students withdrawing from Term 2 courses after this date will receive an "F" on their academic record - Arts, Business, Nursing, and Science,
Sat. Mar. 8	English Writing Competency Test at 10:00 a.m.
Fri. Mar. 14	Senate meeting.
Mon. Mar. 31	Last day to apply to write the MED Comprehensive Exam in July.
Mar 31 -Apr 4	Final exams - Faculty of Education

Fri. Apr. 4	Last day of winter session classes - Arts, Business, Nursing, and Science.
Apr. 7- 30	Final exams for the fall/winter session - Arts, Business, Nursing, and Science.
Fri. Apr. 11	Senate meeting.
Fri. Apr. 18	Good Friday - University closed.
Mon. Apr. 21	Easter Monday - University closed.
Mon. Apr. 28	Last day of winter session classes - Master of Education.
Fri. May 2	Faculty of Education full-time program ends.
Thur. May 15	Senate meeting.
Mon. May 19	Victoria Day - University closed.
Thur. June 12	Senate meeting.
Fri. June 13	2003 Spring convocation - Education (Primary/Junior and Junior/Intermediate Divisions).
Sat. June 14	2003 Spring convocation - Arts, Business, Science, Technology, Education (Intermediate/Senior Division) and Master of Education).

Fall/Winter Session 2002-2003

Business Information Systems

Environmental Biology and Technology (upper-year only)

- **Term 1** – September 3 to December 6

Exams - December 4 - 18

- **Term 2** – January 6 to April 17

Exams - April 7 - 30

First Term

Fri. June 28	Students submitting OSAP applications after this date will not be eligible for deferral of tuition fees.
Mon. Sept. 2	Labour Day - University closed.
Tues. Sept. 3	English Writing Competency Test at 9:00 a.m. Fall classes begin.
Fri. Sept. 20	No registration or course changes for Term 1 courses permitted after this date. Students withdrawing from Term 1 courses after this date will receive a "W" on their academic record.
Mon. Oct. 14	Thanksgiving day - University closed.

Fri. Nov. 1	Students withdrawing from Term 1 courses after this date will receive an "F" on their academic record.
Mon. Dec. 2	Last day of fall session - Nipissing classes.
Fri. Dec. 6	Last day of fall session - Canadore classes.
Dec. 4 - 18	Final exams for Term 1 courses begin.

Second Term

Mon. Jan. 6	Classes begin.
Fri. Jan. 10	Senate meeting.
Sat. Jan. 11	English Writing Competency Test at 10:00 a.m.
Fri. Jan. 17	No registration or course changes for Term 2 courses will be permitted after this date. Students withdrawing from Term 2 courses after this date will receive a "W" on their academic record.
Fri. Feb. 7	Applications for the 2003 Spring convocation must be submitted prior to this date.
Feb. 17 - 21	Nipissing study week - no Nipissing classes.
Wed. Feb. 26	Students withdrawing from Term 2 courses after this date will receive an "F" on their academic record.
March 3 - 7	Canadore study week - no Canadore classes.
Sat. Mar. 8	English Writing Competency Test at 10:00 a.m.
Fri. Apr. 4	Last day of winter session Nipissing classes.
Thur. Apr. 17	Last day of winter session Canadore classes.
Apr. 7 - 30	Final exams for Term 2 courses begins.

Spring Session 2003

Arts, Business, and Science

- **Term 1** – May 2- June 26
Exams June 27 and 28
- **Term 4** – May 2 - May 30
Exams May 31
- **Term 5** – June 2 - June 28
Exams June 30

Note: Courses are usually timetabled Monday, Wednesday and Friday or Tuesday, Thursday and Saturday.

Sat. Mar. 8	English Writing Competency Test at 10:00 a.m.
Mon. Mar. 17	Spring/Summer registration begins.
Tues. Apr. 15	Spring session courses with insufficient registration will be cancelled at this time.
Fri. May 2	Spring courses begin (Term 1 and Term 4).
Wed. May 7	No registration for Term 1 or Term 4 courses permitted after this date. Students withdrawing from Term 1 or Term 4 courses after this date will receive a "W" on their academic record.
Mon. May 12	Students withdrawing from Term 4 courses after this date will receive an "F" on their academic record.
Mon. May 19	Victoria Day - University closed.
Fri. May 30	Term 4 courses end.
Sat. May 31	Final exams for Term 4 courses.
Mon. June 2	Term 5 courses begin.
Fri. June 6	No registration or course changes for Term 5 courses permitted after this date. Students withdrawing from Term 5 courses after this date will receive a "W" on their academic record.
Mon. June 9	Students withdrawing from Term 1 courses after this date will receive an "F" on their academic record.
Thur. June 12	Students withdrawing from Term 5 courses and spring/summer research courses after this date will receive an "F" on their academic record.
Fri. June 13	2003 Spring convocation - Education (Primary/Junior and Junior/Intermediate Divisions).
Sat. June 14	2003 Spring convocation - Arts, Business, Science, Technology, Education (Intermediate/Senior) and Master of Education.
Fri. June 27	Last day of classes for Term 1 courses.
June 28 and 30	Final exams for Term 1 courses.
Sat. June 28	Last day of classes for Term 5 courses.
Mon. June 30	Final exams for Term 5 courses.
Tues. July 1	Canada Day - University closed.

Fri. Aug. 8 Applications for 2003 fall graduation must be submitted prior to this date.

Note: there is no fall graduation ceremony. Graduates may attend the spring ceremony.

Summer Session 2003

Arts, Business, and Science

- **Term 2** – July 2 – August 12

Exams August 13

- **Term 6** – July 2 – July 22

Exams July 24

- **Term 7** – July 28 – August 18

Exams August 20

Courses are usually scheduled Monday, Tuesday, Wednesday and Thursday.

Master of Education – July 7 to July 31

Mon. May 5 Summer session registration begins - Master of Education.

Fri. June 6 A late registration fee will be charged to Master of Education students registering after this date.

Mon. June 16 Summer session courses with insufficient registrations will be cancelled at this time - Master of Education.

Mon. June 23 Summer session courses with insufficient registrations will be cancelled at this time - Arts, Business, and Science.

Tues. July 1 Canada Day - University closed.

Wed. July 2 Summer session classes begin - Arts, Business and Science.

Mon. July 7 Summer session classes begin - Master of Education.

Fri. July 4 No registration or course changes for Term 2 and Term 6 Arts, Business, and Science courses will be permitted after this date. Students withdrawing from Term 2 or Term 6 courses after this date will receive a "W" on their academic record.

Wed. July 10 Students withdrawing from Term 6 courses after this date will receive an "F" on their academic record - Arts, Business, and Science.

Fri. July 12 No registration or course changes to Master of Education courses. Students withdrawing from Master of Education courses after this date will receive a "W" on their academic record.

Fri. July 18 Students withdrawing from Master of Education courses after this date will receive an "F" on their academic record.

Sat. July 19 Comprehensive exam for Master of Education - 1:00 to 4:00 p.m.

Tues. July 22 Last day of classes for Term 6 courses - Arts, Business, and Science.

Students withdrawing from Term 2 courses after this date will receive an "F" on their academic record.

Thur. July 24 Final exams for Term 6 courses.

Tues. July 28 Term 7 courses begin - Arts, Business, and Science.

Wed. July 30 No registration or course changes for Term 7 courses will be permitted after this date. Students withdrawing from Term 7 courses after this date will receive a "W" on their academic record.

Thur. July 31 Last day of classes for Master of Education.

Mon. Aug. 4 Civic Holiday - University closed.

Wed. Aug. 6 Students withdrawing from Term 7 courses after this date will receive an "F" on their academic record - Arts, Business, and Science.

Fri. Aug. 8 Applications for 2003 fall graduation must be submitted prior to this date.

Note: There is no fall graduation ceremony. Graduates may attend the spring ceremony.

Wed. Aug. 12 Last day of classes for Term 2 courses.

Thur. Aug. 13 Final exams for Term 2 courses - Arts, Business, and Science.

Mon. Aug 18 Last day of classes for Term 7 courses.

Wed. Aug 20 Final exams for Term 7 courses - Arts, Business, and Science.

Introducing Nipissing University

Governance

Nipissing University is a co-educational, non-denominational, government-supported institution that was granted, on December 10, 1992, the right to confer degrees in the province of Ontario.

It is a member of the Council of Ontario Universities, the Association of Universities and Colleges in Canada and the Association of Universities of the British Commonwealth.

The Nipissing University Act (1992) provides for governance of the University by the Academic Senate and the Board of Governors. The administration of the University is carried out by a Board of Governors of 26 members including:

1. The Chancellor and President of the University, who shall be members by virtue of their offices.
2. The Mayor of North Bay, or designate, who shall be a member by virtue of his or her office.
3. Six persons appointed by the Lieutenant Governor in Council.
4. Two persons elected by the Senate, from among the faculty members on the Senate.
5. Two persons elected by the faculty, from among the faculty members not on the Senate.
6. Two students of the University, elected by the students of the University.
7. Two full-time non-teaching employees of the University, elected by the full-time non-teaching employees of the University.
8. One person, who is neither a student nor a faculty member or officer of the University, appointed by the University Alumni Association from among the alumni.
9. One person appointed by the Aboriginal Council on Education established by the University from among its members.
10. Seven persons appointed, in the first instance by the Lieutenant Governor in Council and thereafter by the Board, to represent a broad spectrum of the public.

The Academic Senate consists of all full-time Faculty members of the University, the Registrar, the Director of Library Services, plus representatives from students, the Board and the Aboriginal Council on Education.

Finances for the operation of the University are secured through fees and through regular government grants on the same basis as grants paid to all universities in the province.

History

Preparations for Nipissing University were begun in 1947, when farsighted residents formed a committee with the goal of establishing a university in North Bay. Their efforts were continued by the 1958 Northeastern University Committee. Within two years, Northeastern University was incorporated and a first year program was put in place in 1960. Father Norman Weaver and his religious order, the Congregation of the Resurrection, provided some of the qualified professors, as well as classroom space at Scollard Hall. However, hopes for an independent university in North Bay were dashed when the Congregation of the Resurrection re-directed its teaching and financial resources to assist St. Jerome's to become a federated college of the new University of Waterloo. Hopes were further dashed when Laurentian University in Sudbury was founded and chartered in 1960.

In an effort to ensure its funding as a university-level institution, Northeastern was renamed Nipissing College, and on February 18, 1967 signed an affiliation agreement with Laurentian University in Sudbury. Under the terms of this affiliation agreement, Nipissing would operate independently, both financially and administratively, but could only offer academic programs approved by Laurentian University.

Cassellholme for the Aged was home to Nipissing from 1967 to 1972. This was a temporary location and there were plans for a new site from the beginning. Other educational institutions in the City, including a community college, a school of nursing and a teachers' college also had separate campuses and special needs. In 1967, at the direction of the provincial government, a campus planning committee was struck to develop an educational complex to house all of these schools. The 720-acre Eloy and Roy farm site was purchased and sod was turned in 1970. The modern College Education Centre, which is still home to Nipissing, was officially opened in the fall of 1972 with Premier of Ontario, William Davis officiating. The new complex with its joint tenants was unique in the province. It featured a library, classroom space, laboratories, staff and student lounges, residence facilities, cafeteria, gymnasium, campus shop, and an auditorium.

In 1973, the North Bay Teachers' College joined Nipissing as the Faculty of Education, bringing with it a tradition of 64 years of teacher education, dating back to the North Bay Normal School founded in 1909. The name of the Normal School was changed in 1953 to the North Bay Teachers' College.

The year 1992 marked both Nipissing's 25th anniversary and the year in which it became the newest university in Canada. The Nipissing University Act, signed December 10, 1992 by the Lieutenant Governor for the province of Ontario, gave the institution the right to grant baccalaureate degrees as an independent, chartered university.

Over the years, new faculty and program offerings have been added in a realistic and planned fashion. Courses and programs

were developed in response to the needs of students and the area being served. In a relatively short time the University developed an excellent reputation for its academic programs.

The Faculty at Nipissing have made significant contributions to the area through research, publications and active participation in regional, national and international bodies. The cultivation of research has resulted in the publication of numerous articles, books and atlases, many of which deal with the local area. Studies have been conducted on areas such as the environment, and the socio-cultural and economic structure of the area, contributing to a better understanding of the region.

Research in the Faculty of Education has focused on various aspects of curriculum development including outdoor education, language arts and educational technology. The Faculty of Education has also been a leader and an innovator in the field of Native education.

The University's impact extends to the international community through its educational development programs in Anguilla, St. Lucia, France and Germany.

Future academic programs at Nipissing University will continue to prepare our students for their degrees, according to generally approved university standards, while recognizing the special needs and advantages of our northern milieu.

Mission Statement

Nipissing University is a Canadian university which provides undergraduate programs in Liberal Arts, Science, Business and undergraduate and graduate programs in Education. Nipissing aspires to fulfil the best traditions of scholarship and to provide an environment committed to the ideals of free inquiry and expression.

Nipissing's individuality as a university is a function of its size, location and history.

As a smaller university, Nipissing strives to provide a collegial setting attentive to individuals thereby enabling members of all groups within the university community to achieve their personal potential.

As a university in a Northern Ontario community, Nipissing aspires to reflect and respond to the region by serving as an intellectual and cultural centre.

As a university with predominantly undergraduate programming and roots in teacher education, Nipissing places priority on the highest ideals of instructional excellence.

Board Approved: June 2, 1994

Coat of Arms and Motto

Colours: blue, grey, gold and copper



The coat of arms has a long history at Nipissing University and is symbolic of its tradition. There are three elements in the Nipissing crest: the sun, water, and the owl. The sun, our source of light, is symbolic of the illumination of learning. The water recalls the University's connection with Lake Nipissing, the origin of the institution's name. Like the sun, water sustains life and represents the abundant gifts of nature with which humans must live in harmony. The Athenian owl symbolizes wisdom, knowledge and antiquity. By facing front, it represents seeing the world as it is, which is the task and purpose of the University.

The motto, "integritas" is Latin for the spirit of integrity, the desirable mode of human conduct and intellectual inquiry.

The Logo

Colours: green and blue



Northern Ontario is a land of natural beauty. The land is bathed in the colours of nature, and Nipissing's logo reflects this natural beauty. The stylized "N" and "U" reproduced respectively in the blue of the water and the green of the forest, reflects the deep attachment the University has to its natural surroundings.

Services to Students

Aboriginal Services and Programs

The Aboriginal Services and Programs office is committed to facilitating and promoting the ongoing access, participation, and achievement in academic excellence of all Aboriginal students in the Arts, Business, Science, and Education (graduate and undergraduate), as well as in the Native education diploma and certificate programs.

Aboriginal Services and Programs offers the following services and/or referrals: academic advising, personal counselling, financial advising, and liaison services between the University, community agencies, Aboriginal Bands, and government agencies on behalf of the Aboriginal students.

The office is located in Student Affairs. It houses a small lounge area for students as well as study resources. Social, cultural and educational events are hosted throughout the year for students to enjoy. The office is open Monday to Friday, 8:30 a.m. - 4:30 p.m. Students may contact Aboriginal Services and Programs at (705) 474-3461 extension 4312 or extension 4252.

Academic Services (Advising)

Students in the Faculty of Arts and Science who wish to plan their programs or who need advice on any academic matter should consult the Manager of Academic Services or an Academic Advisor. Students in all programs in the Faculty of Arts and Science are also encouraged to consult with faculty members concerning course selections. At certain times of the year (in particular, during advance registration), peer advisors are available to assist students with the course planning and course selection process.

The Dean is ultimately responsible for approving course and program registrations as well as any subsequent modifications.

Students in the Faculty of Education who need advice on any academic matter should consult with the Office of the Faculty of Education.

Academic Skills Program

The Academic Skills Program, a component of Counselling and Special Needs Services, is available for students to help foster and fine-tune the skills required for academic success. Students may meet with the Academic Skills Program Co-ordinator to discuss specific areas of academic concern and set up a program of individualized tutorials. Appointments are available mornings, afternoons, and evenings.

Students are also encouraged to take advantage of the seminars and videos on academic writing, grammar and punctuation, study skills, research skills, and graduate/professional school entrance examination preparation, available for viewing in the Student Resource Centre.

Students preparing for the Writing Competency Test (see Writing Competency Test in the Index) are especially encouraged to request feedback and tutorial assistance through the Academic Skills Program. The "How To Write a Good Writing Competency Test (WCT)" seminar may be of special interest to these students. This seminar is offered several times throughout the year.

The Academic Skills Program also facilitates course-specific study groups and the Peer Tutoring Program. Inquire at Student Affairs for more information on any of these services.

Alumni Association

An alumni association is an integral part of any university community. Their collective experience has shaped the University as it is today and their achievements are one of the criteria by which a university is valued.

The Nipissing University Alumni Association strives to achieve this through its many objectives. They include:

- to support the University in strengthening its standards and reputation for academic excellence through dedication and financial generosity.
- to promote interest and understanding of the Association's objectives among the undergraduates of the University.
- to encourage and promote a sense of collegiality and unity among members and provide an opportunity to continue associations enjoyed as students.

These objectives are achieved by various social and fundraising events, programs and services sponsored by the Alumni Association, in conjunction with the Alumni and Development Office. The Office also distributes the official publication for alumni, *The Nipissing Review*.

There is an immense potential for active involvement of alumni in the mainstream of the life of the University. In addition, because of their experiences, graduates can best promote the ideals and values of the University to the outside community. Therefore, graduation represents the continuation of a strong relationship with Nipissing University. In order to fulfil our objectives and remain a vital, as well as a traditional part of the University community, we are seeking your support and involvement. For further information, please feel free to contact the Alumni Office at (705) 474-3450, ext. 4573.

Campus Shop

One of the busiest areas of the Education Centre is the Campus Shop. Located on the main floor, the Campus Shop carries all textbooks, supplies and educational software needed for any course offered by Nipissing. Memorabilia such as shirts, jackets and mugs are also available. A limited number of lockers are available beginning in September. If you would like to have a locker, you must purchase a locker tag from the Campus Shop. The locker tag must be displayed on your locker at all times. A schedule of dates for purchase of these locker tags will be posted in early September. The cost of a locker is \$20.00 for the year (September-April) plus taxes. You may bring your own lock or purchase one from the Campus Shop (it must be a combination lock).

Counselling Services

a) Career Counselling

Students who are unsure of their career interests or of the options available to them are invited to further explore these with a career counsellor. Career-related interest inventories can be completed as part of this exploratory process. Information regarding careers, which are complemented by a university education, is available upon request. Career planning seminars are offered regularly

throughout the year by the counselling staff in Student Affairs.

b) Personal Counselling

Counsellors are available Monday to Friday 8:30 a.m. to 4:30 p.m. at no cost to students who are registered in current courses. Individual counselling in areas of personal development, crisis intervention, coping with stress and anxiety, family and interpersonal relationships, money and time management, and student advocacy is available upon request. Referral to specialized services in the community may be made upon completion of a thorough assessment by a counsellor in Student Counselling Services.

c) Confidentiality of Counselling Services

Student counselling, a component of Counselling and Special Needs Services, is committed to the success of all students at Nipissing University. All requests for student counselling are confidential. Information shared in student counselling will not be disclosed to anyone outside the Counselling and Special Needs team or their immediate supervisors without the student's expressed permission.

Student Counsellors are permitted to disclose student information only when properly authorized by the student or when obligated legally or professionally to do so. Specific details regarding the confidentiality of student information is discussed during the intake process.

Exchange Programs with Foreign Universities

Nipissing University has negotiated exchange agreements with several foreign universities. These university-coordinated exchanges are a relatively easy way to include an international opportunity in your Nipissing degree experience while studying abroad. While on these exchanges, all credit courses successfully completed are transferable, and you are still eligible for OSAP, scholarships, and bursaries. Tuition is paid as per Nipissing University fees instead of international fees at the host university.

It is also possible to study abroad independently, though some benefits such as Nipissing tuition do not apply. If this idea interests you and you have a particular university or location in mind, please contact the Manager of Academic Services about studying elsewhere on a Letter of Permission.

Information on the exchanges listed below may be obtained from either the Office of the Registrar or the International Office located in Student Affairs.

Barbados (University of the West Indies - Cave Hill campus)

This exchange is open to students in Humanities and Social Science programs. Students may participate in one or two semesters.

Canada - EC Program for Cooperation in Higher Education and Training

This exchange is a pilot project involving three Canadian universities: Nipissing University, York University, and the Université de Québec à Montréal, and three European universities: Humak of Finland, the University of Trento in Italy and Hogeschool Rotterdam of the Netherlands. The focus of this program is to create international courses in multiculturalism

through distance and on-site delivery. Students will study courses in Art, Multiculturalism and Native Studies.

France, Ontario/Rhône-Alpes Student Exchange Program

Open to students in Arts, Science, Humanities and Business, students should be prepared to attend for two semesters. The language of instruction will be French and a language competency test may be required. Contact Al Carfagnini, Executive Director of Student Affairs, for more information.

Germany (Pädagogische Hochschule Freiburg)

This exchange is for students who are interested in becoming teachers. Students will attend two semesters at the Freiburg Pedagogical University and the language of instruction is German.

Mexico, Tampico (Instituto Tecnológico y de Estudios Superiores de Monterrey)

This exchange is limited to students in the Business programs. Students are restricted to one semester only. Some courses are offered in English, however some Spanish is required for daily activities.

Northern Ireland, Belfast (Queen's University)

Open to students in Humanities and Social Science programs, students should be prepared to spend two semesters at Queen's. More information may be obtained from: www.qub.ac.uk/ilo/studyabroad/

Ontario/Baden-Wurttemberg Student Exchange Program

Open to students in Humanities, Social Science and Science programs, students should be prepared to attend two semesters. Competence in German required, however, there is a free month-long intensive German course for chosen students. Contact Al Carfagnini, Executive Director of Student Affairs for more information.

United Kingdom, Luton Bedfordshire (University of Luton)

This exchange is for students in the Environmental Biology program. Students should be prepared to spend two semesters at the university. Further information may be obtained from Dr. Peter Nosko, Department of Biology.

United States, Pennsylvania (Mansfield University)

This exchange is open to students in Humanities and Social Science programs. Students may attend one or two semesters.

Republic of Cameroon (University of Buea)

Please contact Al Carfagnini, Executive Director of Student Affairs for more information in relation to this recent exchange program.

Health Services

Registered nurses are in attendance at the Health Centre Monday to Thursday, 8:00 a.m. to 3:30 p.m. Doctors' clinics are available by appointment Monday, Tuesday and Thursday mornings for out of town students. Students are required to have their health card with them when making appointments. Services provided include allergy injections, birth control information,

immunizations, pap smears, and blood pressure monitoring. A variety of literature/pamphlets is also available on health topics.

Library

The student card you receive at registration is also your library card which is essential to gain access to the Library's services. The Library resources are extensive (177,990 volumes, 5,196 journals in print, microform and electronic formats) and additional material is available through the inter-library loan service. The staff at the Information Desk will be happy to assist you if you have any questions regarding the Library and its services. The Library staff will also introduce you to the on-line catalogue to find books and other materials in the Library's collections and to the Automated Research Centre (ARC) to conduct searches of research, news and Internet databases.

Muskoka Campus

The Muskoka Campus of Nipissing University was opened in Bracebridge, Ontario, in 1996. At this small but growing facility students can begin their university studies in many disciplines in the liberal arts. Students may then continue their studies at the main campus in North Bay to complete a degree in a particular major, or students may elect to continue their studies at the Muskoka Campus in pursuit of a Bachelor of Arts (Liberal) Degree. (Please refer to that section of the Academic Calendar, for further details on this degree.) Students may move freely between North Bay and Muskoka. Orientation to Teaching (O.T.T.) credit course requirements may be completed while studying in Muskoka.

The development of two new full degree programs for delivery in Muskoka has been announced. Students can look forward to more options at the Campus in the near future. For further information, contact:

Jan Lucy, Campus Administrator, Nipissing University, Muskoka Campus, 440 Ecclestone Drive, Bracebridge, ON P1L 1Z6. Phone: (705) 645-2921 fax: (705) 645-2922 or e-mail: muskoka@nipissingu.ca

Off-Campus Housing

There is a variety of housing available in the City of North Bay. The Student Residence office offers off-campus housing lists, maps of the city, bus schedules and telephones to assist you in finding suitable accommodation. For information, call (705) 474-7600, ext. 5345.

Office of the Registrar

Nipissing students visit the Registrar's Office to utilize the CRASH (Course Registration and Student History) system to update their address; to add and drop courses during registration periods; to print copies of class and exam schedules; and, to check their grades.

The forms required to change majors, to apply to other degree programs at Nipissing, to request transcripts and to apply to graduate are available in the Registrar's Office. Students who require official authorization of university enrollment for external financial aid or other reasons make these requests through the Receptionist in the Registrar's Office. Classroom bookings for campus club or group study activities and meetings are also made through this Office.

Peer Tutoring Program

Students who are experiencing difficulties in a particular course may request the assistance of a peer tutor. A non-refundable fee of \$20 is charged for peer tutor services; this fee covers five hours of tutoring. Peer tutor contracts may be renewed at the same rate if additional hours of tutoring are required.

Students who would like to become peer tutors must have an overall "B" average and a "B+" average in the course to be tutored. Applicants must also participate in a peer tutor training session. Peer tutors are paid according to an hourly student wage schedule.

Contact the Academic Skills Program Co-ordinator or inquire in Student Affairs for more information and application forms.

Placement Services

All students and graduates are invited to take full advantage of our placement services. Throughout the year, job postings are listed for permanent and temporary part-time and full-time positions in employment fields suited to our current and graduating students. Several part-time positions are available on campus. Information sessions, fairs, and employment interviews are scheduled throughout the year. Help is available with résumé writing, job search, interview techniques and school-to-work transition. Information on accessing international job opportunities and exchange programs is available to students upon request. The Placement Office, located in Student Affairs, is normally open from 8:30 a.m. to 4:30 p.m.

Residence

Students now have three great choices when it comes to living in residence. They can choose to live in one of two apartment style complexes or they can choose to live in the townhouse complex. The apartments accommodate four students while the townhouses accommodate six students. All units are either all male or all female and each student enjoys the privacy of their own individual room while sharing a common living room, kitchen and washroom facilities with their roommates. Laundry facilities and a recreation/common room area are located in each of the residence complexes. Spaces in residence are guaranteed to all first year students applying directly out of high school provided that they have been accepted to full-time study at the University by June 14th and meet the residence application deadline of June 14, 2002. Residence accommodation will be offered to other applicants if space permits. Students will receive their residence application along with their offer of admission to the University. Applications, along with the \$300.00 residence deposit, should be forwarded by the deadline to the Finance Office, Nipissing University, 100 College Drive, P.O. Box 5002, North Bay, Ontario, P1B 8L7.

Students are strongly encouraged to spend their first year living in residence. Living away from home for the first time can be an exciting and challenging time. Nipissing University paves the way with an excellent residence life program. The University believes that first-year students benefit greatly from the opportunity to live within the residence system, and that the transition from high school to university is much easier as a result.

Residence life provides students with many wonderful experiences. It's about meeting new people and exploring new ideas.

It's also about eating, studying, and socializing together, the people you meet, the lifelong friends that you will make. There is a genuine sense of belonging that naturally develops in each residence and each house. It is an experience that you do not want to miss!

Special Needs Services

Students with disabilities are encouraged to contact the Special Needs Office to discuss and plan for individual special needs arrangements. Any student who requires disability-related educational support or accommodations should initiate contact with this office as early as possible to ensure timely implementation.

Deaf and hard of hearing persons may call TTY (705) 474-8797.

Student Insurance Plan

A student insurance plan is in effect for full-time students, providing such benefits as reimbursement for prescription drugs (accident or sickness), physiotherapy and dental accident expense reimbursement and accidental death and dismemberment benefits. For details, students may pick up a pamphlet at Student Affairs.

Student Resource Centre

The Student Resource Centre is located in Student Affairs (Room A201) and is normally open from 8:30 a.m. to 4:30 p.m., Monday to Friday. This multi-purpose resource room provides resources, materials and meeting space for a number of student-centred programs and services throughout the year. These include: Academic Skills Program, Career Counselling, Personal Counselling, Peer Tutoring, Placement Services and Special Needs Services. These programs and services are described in more detail elsewhere in this section.

Students are reminded to check the bulletin board outside Student Affairs to determine dates and times of events and activities which are offered by the above programs.

Students may also use the Centre to research career paths, placement information, résumés, covering letters, interview information, job-search strategies, graduate studies, professional education programs, international placement and volunteer opportunities. Most material may be borrowed by students registered at Nipissing University. On-line access to career-planning software is also provided through the Centre.

Student Life

In addition to the normal academic routine at Nipissing University, there are many other activities available to interested students. These activities fall into three main categories: athletic, cultural, recreational or social. For the most part they are co-ordinated by the Nipissing University Student Union (NUSU) with some assistance from interested faculty and staff. A number of other cultural and recreational facilities in the community are open to students at the University.

Sports and Recreational Activities

The sports and recreation program at Nipissing University is an essential element of the total education program at the University. It provides a balanced program of intramural, recreational and inter-collegiate (varsity) athletics. A wide variety of sporting activities are available. These activities include hockey, basketball, volleyball, flag football, slo-pitch, cross country running, soccer, Nordic skiing and floor hockey. The aim is to provide an equal sporting opportunity to everyone and to encourage maximum participation in all events.

The intramural program includes co-ed volleyball, floor hockey, soccer, flag football and ice hockey. These programs are particularly popular and well attended.

Nipissing's varsity teams are called the "Lakers." The men and women participate in curling, cross-country running, soccer, Nordic skiing and volleyball. The University is a member of the OUA (Ontario University Athletics), CIAU (Canadian Interuniversity Athletic Union) and the OCAA (Ontario Colleges Athletic Association).

A recent addition to the University is a 21,000 square foot R.J. Surtees Athletics Centre. The centre houses a double gymnasium, squash court, cardio-weight room and change rooms. Students have access to the latest in weight and fitness equipment, such as treadmills, life cycles, cross trainers and free weights.

The Manager of Sports and Recreation works with an Athletics Council to co-ordinate all sports programs and to ensure an excellent and varied program of organized athletics activities. On the less structured side, the Education Centre campus consists of 290 hectares of natural woodland. The campus has over 16 kilometres of natural trails and five kilometres of cross-country ski trails. This environment provides students with a unique opportunity for outdoor recreation, right on campus.

Cultural Activities

A number of clubs at Nipissing University provide varied cultural opportunities. These clubs may be subsidized, in whole or in part, by NUSU and their activities are co-ordinated by the Vice-President Student Life.

In 2001/2002, clubs included the Environmental Action Team, Nipissing University Business Society, the American Sign Language Club, the Club Français, the Word Society, the Nipissing University Drama Entourage, the Classics Club, the Philosophy Club, the Society for Social, Economic and Environmental Change, and the Ski Club, among others.

In addition to these clubs, there are other cultural events taking place during the year. The University also sponsors a series of Public Lectures during the academic year featuring distinguished speakers on a wide range of topics. There is also a bi-weekly student newspaper called *The Hibou*. It is a great forum for opinions and information.

Social Activities

University life is more than classes and assignments. Social activities at any institution are important, both as a source of relaxation and as an opportunity for students to meet and share ideas in a less formal atmosphere. Nipissing University is noted

for its friendly atmosphere, and this is reflected in the many social events sponsored by the Student Union.

The NUSU socials are always well-attended and enjoyable. These include varied special events such as theater and sporting trips, the Winter Formal, the Grad Cruise, Pubs at The Wall, and of course, Frosh Week. Certainly, there is something for everyone.

Student Centre

The Nipissing University Student Union (NUSU) and the Canadore Students Representative Council are jointly responsible for the operation and management of the Student Centre. This building, strategically located beside the main bus stop, serves as a common place on campus for students, staff and faculty. On the upper level are the Student Union executive and administrative offices, NUSU boardroom, Alumni Hall lounge area, a coffee shop, bank machine and variety store. The mezzanine and lower levels are part of The Wall, Nipissing University's campus pub. Patrons have access to pool tables, large screen televisions, video games and comfortable lounge seating, as well as to comprehensive food and beverage services.

The Student Centre was financed through a loan granted to the students by Nipissing University's Board of Governors, which is being paid back through the Student Centre levy.

Student Union

The Nipissing University Student Union (NUSU) is the official body representing the student point of view at Nipissing. All students, both full-time and part-time, belong to the Student Union and fund the organization through their incidental fees, payable at registration. NUSU is a full member of the Canadian Federation of Students.

NUSU deals with many aspects of student life on campus, from the political to the social. Student awareness campaigns, dealing with such topics as AIDS, alcohol and drug use, safe sex, violence and accessible education are run annually. During the first week in September, Frosh Week activities introduce first year students to the university and to the City of North Bay. Frosh Week culminates in Shinerama, a national student fundraising event on behalf of the Canadian Cystic Fibrosis Foundation. A record \$20,000 was raised in the highly successful 1998 campaign.

Live concerts, out of town trips to theatrical or sporting events and panel discussions are examples of activities sponsored by NUSU each year. NUSU sponsors a Food Bank on campus for students in need.

NUSU's business is conducted by Council, which meets once a week throughout the academic year. All meetings are open to the public, and the Constitution, By-laws and Minutes are available from the NUSU offices. The Council is composed of four executive officers, who are elected each spring (President, Vice-President External, Vice-President Student Life, and Vice-President Internal), and twelve representatives who are elected each fall. These positions represent students in the following specific areas of study: Humanities, Science, Social Science, Mature Students, Part-time Students, Professional Schools, Primary/Junior Education, Junior/Intermediate Education, Intermediate/Senior Education, Muskoka Campus, Upper Residence and Lower Residence.

NUSU has six seats on Senate and two seats on the Board of Governors, and representation on most of the Board and Senate Committees. All of these representatives are chosen by NUSU Council from among its members.

NUSU's offices are located in the Student Centre. The phone number is (705) 474-1553 (direct line), or (705) 474-3461, ext. 4440 (administrative office), ext. 4489 (President), ext. 4302 (Vice-President External), ext. 4303 (Vice-President Student Life), ext. 4303 (Vice-President, Internal). The fax number is (705) 474-3954. The administrative office can be reached via e-mail at: bethb@nipissingu.ca.

Services provided include: photocopies, faxes, International Student Travel Cards, courier service, students' rights information and general information about the work of the Student Union.

Graduation

Graduation Procedures

Students must complete an Application for Graduation form available from the Office of the Registrar. Application is required of all graduates whether or not they attend Convocation. Forms must be returned before the specified deadline. Applications received after the deadline may be applied to the next graduation.

Students who are unable to attend the Convocation Ceremony should request that their degree be conferred in absentia. Diplomas will be mailed to those who do not attend convocation.

Transcripts

Graduates will each receive one official transcript upon graduating. To order additional transcripts, students must present their request in writing or in person to the Office of the Registrar. The fee for these additional transcripts is outlined in the Service Fees section.

An official transcript will automatically be sent directly to the College of Teachers for all full-time Bachelor of Education students who qualify to graduate.

Replacement of Graduation Diplomas

Graduates may apply in writing to the Office of the Registrar for a replacement of their graduation diplomas. The fee for this service is \$35.

Convocation Ceremony

The 2003 Convocation Ceremonies will be held on Friday, June 13, 2003 and Saturday, June 14, 2003. Students may apply to graduate in the fall, but there will not be a Fall Convocation Ceremony.

Distinction at Graduation

Students graduating with an overall average of 80% or higher on all Nipissing courses that are required to complete the degree, will be granted their degree "with distinction". The overall average is calculated on a minimum of 60 credits completed at Nipissing and presented for the degree.

There is no "with distinction" designation for Faculty of Education graduands.

Residency Requirements

To be considered for a Nipissing University degree, students in the Faculty of Arts and Science must successfully complete at least 30 credits at Nipissing.

Students who apply to graduate with a general degree must include at least 18 Nipissing credits in each major.

Students who apply for an honours degree must include at least 30 Nipissing credits in each major.

Students who apply for a (liberal) degree must include at least nine Nipissing credits in each declared sequence.

Charges and Fees

General Information

This Calendar is published several months in advance of the academic year. The University reserves the right to change fees and refund policies without notice.

Non-payment of fees may render a student ineligible for registration in future sessions. In addition, students who are in financial arrears to the University will not be issued their transcripts of record, statement of standing or related evidence of their academic progress until such time as their accounts are cleared. Payment of academic fees does not imply a student's acceptance to the University or approval of their registration. Academic requirements have to be satisfied before registration is completed. Once a student has registered, he or she is then responsible for assessed fees. To avoid paying late payment penalties, students should not wait to receive a statement of fees owing before making payment.

Definitions

A full-time student in the Fall/Winter Session is one who is registered in 24 credits or more. The normal course load is 30 credits.

A part-time student in the Fall/Winter Session is one who is registered in 12 credits or less. Part-time overload is permitted to a maximum of 21 credits by approval of the Dean of Arts and Science.

Extension Education and Master of Education

Please refer to the Extension Education Program and Master of Education sections of the Calendar and to Professional Development for Teachers catalogs available from the Office of the Associate Dean of Education for current fees, due dates and course availability.

Payment of Fees

Total fees payable is calculated in accordance with the fee schedule. Students who fail to comply with their first payment requirement will be subject to a finance service charge of \$35. Full-time students may pay their fees in two installments, as may part-time students taking more than six credits. For the 2002-2003 Fall/Winter term, an installment fee of \$40 for full-time students and \$20 for part-time students, payable upon registration, will be applied to the accounts of students paying by installment. A late payment service charge will be levied on accounts outstanding after September 13, 2002. A late payment service charge of \$35 will be levied on balances outstanding as at October 25, 2002. A late payment service charge of \$35 will be levied on all outstanding balances at January 10, 2003. An additional late payment service charge of \$35 may be levied on balances outstanding at March 14, 2003.

Please note that statements of account are not automatically mailed after each transaction. If you add courses after confirmation of registration you are financially responsible for the courses.

Payments are acceptable by cash, certified cheque, bank draft or money order payable to Nipissing University. Students are strongly encouraged to make payment by mail to avoid line-ups. Personal cheques will be accepted for payment of accounts. The University reserves the right to cancel the use of this method by any student if it is abused. If payment is made by mail please ensure that your Nipissing University student number is recorded on the front of the cheque. There is an after-hours drop box located outside the Finance Office (F216). Only cheques or money orders may be left in this box. Payments sent by mail and postmarked by midnight of the deadline date will be accepted without penalty. Regardless of the date on the cheque, unless it is received in the Finance Office by the dates specified, the student will be subject to a late payment service charge of \$35. Any student who issues a cheque for payment to Nipissing University and whose cheque is returned to the University for any reason will be subject to a service charge of \$40 for cheques equal to or greater than \$250.00, \$20 for cheques less than \$250.00.

Students who intend to pay their fees with government loans (OSAP) must have applied for assistance no later than June 30, 2002. If application for assistance is made after this date, funds will not be available in time for the payment of fees by the deadlines noted below. Such students will be required to make their first payment from their own resources.

All scholarships administered by Nipissing University are first applied to outstanding tuition and student fees. The remainder of the award, if any, is forwarded by cheque to the student.

Payment Due Dates: Full-time Students

	Deposit	Full Payment	1st Installment: 50% of Tuition Fee plus Installment Fee	2nd Installment: Balance
Arts and Science				
New first-year	On or before the date of registration*	On or before Sept. 13 /02	On or before Sept. 13 /02	On or before Jan. 10 /03
Advance Registration for Returning Students	On or before June 21 /02	On or before Sept. 13 /02	On or before Sept. 13 /02	On or before Jan. 10 /03
New upper-year and returning students (not Advanced Registered)	On or before Aug. 16 /02*	On or before Sept. 13 /02	On or before Sept. 13 /02	On or before Jan. 10 /03
Bachelor of Education	Upon Acceptance	On or before Sept. 13 /02	On or before Sept. 13 /02	On or before Jan. 10 /03

The deposit for Arts and Science students is \$200.

The deposit for Bachelor of Education students is \$200 upon acceptance of offer of admission and an **additional \$300.00** by August 7, 2002.

*A late registration fee of \$60 will apply after these dates.

Payment Due Dates: Part-time Students

	Deposit***	Full Payment	1st Installment: 50% of Tuition Fee plus Installment Fee	2nd Installment: Balance
Faculty of Arts and Science				
Spring 2002	On or before May 1 /02*	On or before May 3 /02	On or before May 3 /02	On or before May 17 /02
Summer 2002	On or before July 3 /02*	On or before July 5 /02	On or before July 5 /02	On or before July 11 /02
Fall/Winter 2002–2003: Advance Registration** for Returning Students	On or before June 21 /02	On or before Sept. 13 /02	On or before Sept. 13 /02	On or before Oct. 25 /02
6-credit course(s) 1st Term 3-credit course(s)	On or before Aug. 16 /02*	On or before Sept. 13 /02	On or before Sept. 13 /02	On or before Oct. 25 /02
2nd Term 3-credit course(s) (if registering for only Term 2 courses)	On or before Jan. 6 /03*	On or before Jan. 10 /03	On or before Jan. 10 /03	On or before Jan. 24 /03

* A late registration fee of \$30 will apply after these dates.

** Applies to returning full- and part-time Faculty of Arts and Science students who advance register for Fall/Winter 2002-2003 courses prior to May 10, 2002.

*** A deposit of \$100 is required at the time of registration for each session in which the student is registered.

Fees: Full-time Students

All students should refer to the Other Fees (see index for Other Fees) section for additional charges that may apply to them.

A. Faculty of Arts and Science

Canadian Citizens, Permanent Resident and International Students exempt from Visa requirements (see index for International Student Fees).

Tuition

per 6-credit course	\$ 774.00
per 3-credit course	387.00
per 30-credit course load	3,870.00
per 24-credit course load	3,096.00

International Students (as at Registration)⁽¹⁾

per 6-credit course	1,600.00
per 3-credit course	800.00
per 30-credit course load	8,000.00
per 24-credit course load	6,400.00

Auditor Fees

per 6-credit course (non-refundable)	140.00
per 3-credit course (non-refundable)	70.00

Other Fees

Incidental Fees	711.00
UHIP Fees (Foreign students only) (subject to amendment)	702.78
Advance Registration Discount **	(25.00)

Fee Calculation Example

Tuition – 30-credit course load	3,870.00
Advance Registration Discount (if applicable)	(25.00)

Incidental Fees	711.00
Less: Deposit	(200.00)
Total fees due:	<u>\$4,356.00</u>

Fee Calculation Example – Installments

Tuition – 30 credit course load	\$3,870.00
Incidental Fees	711.00
Less: Deposit	(200.00)
Less: Advance Registration Discount (if applicable)	(25.00)
Installment Fee	40.00
Total fees due	<u>\$4,396.00</u>
1 st installment due September 13, 2002	\$2,461.00
2 nd installment due January 10, 2003	\$1,935.00

(1) A limited number of special foreign student bursaries are available.

B. Faculty of Education – Bachelor of Education Program

Canadian Citizens, Permanent Resident and International Students exempt from Visa requirements (see index for International Student Fees).

Tuition

Regular Course Load	\$4,575.00
French Option Course Fee	780.00
Optional Course Fee (Native/Catholic)	457.50
International Students Tuition (as at registration)	
Regular Course Load	8,000.00
Optional Course Fee	800.00

Other Fees

Incidental Fees	711.00
UHIP Fees (Foreign students only) (Subject to amendment)	702.78
Transcript Fee	8.00
Laptop Computer Fee for Junior Intermediate Students	1,400.00

Fee Calculation Example

Tuition – regular course load	\$4,575.00
Incidental Fees	711.00
Transcript Fee	8.00
Total fees due	<u>\$5,294.00</u>

Fee Calculation Example – Installments

Tuition – without option courses	\$4,575.00
Incidental Fees	711.00
Less: Deposit upon acceptance	(200.00)
Less: Deposit date August 7, 2002	(300.00)
Installment Fee	40.00
Transcript Fee	8.00
Total:	<u>\$4,834.00</u>
1 st installment due September 13, 2002	\$2,546.50
2 nd installment due January 10, 2003	\$2,287.50

C. Senior Citizens

Nipissing University welcomes senior citizens (60 years of age or over as at the date of registration) as students. Regular tuition

and incidental fees are applicable for senior citizens. A tuition fee waiver may be available upon request. Please direct inquiries regarding this waiver to the Financial Aid Office.

Fees: Part-time Students

All students should refer to the Other Fees section below for additional charges that may apply to them.

A. Faculty of Arts and Science – On-campus

Canadian Citizens, Permanent Resident and International Students exempt from Visa requirements (see index for International Student Fees).

Tuition

per 6-credit course	\$ 774.00
per 3-credit course	387.00

International Students Tuition (as at Registration):

per 6-credit course	1,600.00
per 3-credit course	800.00
UHIP Fees (Foreign students only) (Subject to amendment)	702.78

Auditor Fees

per 6-credit course	140.00
per 3-credit course	70.00

Other Fees

Incidental Fees per 6-credit course (see below for detail)	79.50
Student ID Card (levied once per year)	4.25

B. Faculty of Arts and Science – Correspondence/Off-campus

Canadian Citizens, Permanent Resident and International Students exempt from Visa requirements (see index for International Student Fees).

Tuition

per 6-credit course	\$ 774.00
per 3-credit course	387.00

International Students (as at Registration)

per 6-credit course	1,600.00
per 3-credit course	800.00

Other Fees

Incidental Fees per 6-credit course (see below for detail)	8.00
Student ID Card (levied once per year)	4.25

C. Faculty of Education – Extension Programs and Master of Education Program

Please refer to the Extension Education Program and Master of Education sections of the Calendar and to Professional Development for Teachers catalogs available from the Office of the Associate Dean of Education for current fees and course availability.

D. Senior Citizens

Nipissing University welcomes senior citizens (60 years of age or over as at the date of registration) as students. Regular tuition and incidental fees are applicable for senior citizens, however a tuition fee waiver may be available upon request. Please direct inquiries regarding this waiver to the Financial Aid Office.

Other Fees

A. Incidental Fees

	Full-time on-campus per 6-credit course	Part-time on-campus per 6-credit course	Part-time off-campus per 6-credit course
* Athletics	\$ 60.00	\$ 5.00	N/A
* Health Services	17.00	N/A	N/A
* Student Services Fee	65.00	9.25	N/A
(1)* Student Insurance Plan	15.00	N/A	N/A
* E-mail/Internet Access Fee	50.00	10.00	N/A
* Student ID Card	4.25	N/A	N/A
* Nipissing University Student Union	123.25	15.25	N/A
* Canadian Federation of Students	11.50	N/A	N/A
* Cancopy Fee	5.00	1.00	N/A
* Hibou Subsidy	5.00	1.00	N/A
* Student Centre Maintenance Fund	60.00	N/A	N/A
* Student Centre Levy	40.00	8.00	8.00
* Athletic Complex Maintenance Fee	50.00	10.00	N/A
* Athletic Complex Levy	100.00	20.00	N/A
(1)* Bus Pass	105.00	N/A	N/A
Total Incidental Fees	\$711.00	\$79.50	\$ 8.00

* non-refundable fees after start of session

(1) Bus Pass fee is applicable to students registered in the equivalent of three or more full courses in the Fall/Winter academic term.

*Nursing Program Students, in addition to regular incidental fees, there will be a charge of \$5.00 for membership in the Canadian Nursing Student Association

All international students are required to pay for the mandatory University Health Insurance Plan (UHIP) upon their arrival. Students will not be permitted to register unless they purchase UHIP. Complete plan information is available by contacting Student Affairs or on the UHIP web site at <http://www.uhip.mercer.ca>

B. Service Fees

	Full-time on-campus	Part-time on-campus	Part-time off-campus
Advance Registration Discount ⁽¹⁾	\$ (25.00)	\$ (25.00)	\$ (25.00)
Late Registration fee	60.00	30.00	30.00
Course Cancellation fee ⁽²⁾	200.00	30.00	30.00
Installment fee	40.00	20.00	20.00
Replacement ID Cards	8.50	8.50	8.50
Certificate of Bilingualism	45.00	45.00	45.00
Duplicate T2202A Receipt	5.00	5.00	5.00
Transcript fee (payable in cash, credit card, money order for each copy ordered) ⁽³⁾	8.00	8.00	8.00
Locker Rental (contact Campus Shop)	20.00	20.00	N/A
Replacement Diploma	35.00	35.00	35.00
Letter of Permission	15.00	15.00	15.00
Advanced Standing/Transfer Credit	25.00	25.00	25.00
* Special Final Examinations	56.00	56.00	56.00
* FSL Testing – oral/written	32.00	32.00	32.00
* FSL Retest	48.00	48.00	48.00
Residence fees – per week (Contact Residence Manager)	87.00–101.00	N/A	N/A
Parking (Contact Security Office)			

* Non-refundable fees

⁽¹⁾ Applies to returning full- and part-time Faculty of Arts and Science students who advance register for Fall/Winter 2002 - 2003 courses prior to May 10, 2002 and have paid a deposit of \$200.00 on or before June 21, 2002.

⁽²⁾ Course cancellation fee is applicable to students who register for courses and officially withdraw from them prior to the session start date.

⁽³⁾ Transcripts may be ordered by fax and charged to your MasterCard or VISA credit card. Along with your request, please include your student number, credit card number, expiry date and signature. Requests should be faxed to the Office of the Registrar at (705) 495-1772.

Statements of Account

If students have outstanding balances, statements will be mailed to their permanent address. If for some reason students do not receive their statement of account, they are still responsible for paying any outstanding balance by the due date. Inquiries concerning account balance should be directed to the Finance Office.

Receipt for Income Tax

Tuition and Education Credit Certificates (T2202A's) will be mailed by the end of February to the permanent address of all full-time and part-time students. There will be a charge of \$5.00 for preparation of duplicate receipts.

Withdrawal and Tuition Fee Adjustment

By registering, students undertake to pay all fees for the entire year regardless of the arrangements made for deferred pay

ments. Students wishing to withdraw from a course or courses must apply to do so on the appropriate form through the Office of the Registrar. Students wishing to withdraw from off-campus courses must submit a letter of withdrawal to the attention of the Office of the Registrar. After the request has been approved by the Faculty Dean and returned to the Office of the Registrar, the student is then officially withdrawn and may be eligible for a credit of a portion of tuition fees to their account. The amount of the credit of fees is calculated from the date the withdrawal form letter is received by the Office of the Registrar. Discontinuing attendance at classes, notification to the instructor, or stopping payment on a cheque presented at registration, does not constitute official withdrawal.

Tuition Credit Schedule

Tuition fee credits will be calculated according to the schedule below. If a credit remains on a student's account after all fees are paid, a refund cheque will be issued.

Faculty of Arts and Science

	Full Term Beginning May 1/02	First Term Beginning May 1/02	Second Term Beginning June 3/02	Credit
Spring 2002 Term				
Before session begins	May 1/02	May 1/02	June 3/02	100%
On or before	May 10/02	May 3/02	June 5/02	90%
On or before	May 17/02	May 7/02	June 7/02	75%
On or before	May 24/02	May 8/02	June 11/02	50%
On or before	June 10/02	May 10/02	June 13/02	25%
After	June 10/02	May 10/02	June 13/02	0%
	Full Term Beginning July 3/02	First Term Beginning July 3/02	Second Term Beginning July 30/02	Credit
Summer 2002 Term				
Before session begins	July 3/02	July 3/02	July 30/02	100%
On or before	July 5/02	July 5/02	July. 31/02	90%
On or before	July 11/02	July 8/02	Aug. 5/02	75%
On or before	July 18/02	July 9/02	Aug. 6/02	50%
On or before	July 23/02	July 10/02	Aug. 7/02	25%
After	July 23/02	July 10/02	Aug. 7/02	0%

Faculty of Arts and Science and Faculty of Education – Bachelor of Education Program

	Full Term Beginning September 2002	First Term Beginning September 2002	Second Term Beginning January 2003	Credit
Fall/Winter 2002/2003 Terms				
On or before	Sept. 20/02	Sept. 20/02	Jan. 17/03	100%
On or before	Sept. 27/02	Sept. 25/02	Jan. 24/03	90%
On or before	Nov. 1/02	Sept. 27/02	Jan. 31/03	75%
On or before	Nov. 15/02	Oct. 11/02	Feb. 7/03	50%
On or before	Jan. 10/03	Oct. 18/02	Feb. 14/03	40%
On or before	Jan. 31/03	Nov. 1/02	Feb. 26/03	25%
After	Jan. 31/03	Nov. 1/02	Feb. 26/03	0%

Financial Aid, Scholarships, Bursaries and Awards

The awards on the following pages are grouped according to the following general definitions:

Scholarships – based on academic achievement. (Note: unless otherwise specified in the terms of the scholarship, you must be in a full course load (24 credits) to be considered for an award and to receive the award)

Bursaries – based on financial need.

Awards – based on financial need/academics and other relevant criteria.

Student Financial Assistance

Ontario Student Assistance Program (OSAP)

Full-Time Students

Students enrolling in at least 60% of a full course load who are Canadian citizens or permanent residents, who have been residents in Ontario for one year prior to beginning their academic program and who satisfy the admission requirements of a Canadian university or an eligible post-secondary institution in Ontario, may apply for financial assistance under this program.

Students qualify for assistance from OSAP on the basis of an established financial need, and funds are provided to supplement students' own financial resources and those of their immediate families.

To facilitate early processing, prospective students are strongly advised to apply in April for the following academic year.

Students wishing to use OSAP funding to pay for tuition must submit their OSAP application to the Financial Aid Office by June 30.

Further information and applications are available from the Financial Aid Office, or from the OSAP web site at <http://osap.gov.on.ca>.

Part-time Students

Part-time students with demonstrated financial need may qualify for a grant of up to \$1200. To be eligible, you must meet the requirements for a part-time Canada Student Loan. In addition, you will be required to explain why you are studying on a part-time basis and you must have a gross (family) income below specified government guidelines. Please contact the Financial Aid Office for additional information and applications.

Ontario Work Study/Nipwork Program

Nipissing University offers a Work Study program that enables needy students to work part-time on campus. Applications are available in the Financial Aid Office. The majority of work study positions begin in September so students are encouraged to apply early. It is expected that students will have explored all possible funding options, including OSAP, before applying for this program.

Once students are determined to be eligible for the program, they may apply for positions posted outside the Student Affairs Office (A201).

Faculty of Arts and Science Entrance Scholarships

Unless otherwise indicated, students will be considered automatically for the following scholarships. Only students who have graduated from high school in the same calendar year in which they are entering Nipissing University will be considered.

President's Scholarships

Value: \$3,000/yr renewable

Application required: No

Type: Scholarship

These scholarships provide outstanding students with a special opportunity to study in a Northern Ontario university environment. The scholarships are awarded to full-time students entering the first year of an undergraduate degree at Nipissing with a minimum of 90% on their best six Ontario Academic Credits (OAC's) as of June 30th of their graduating year. It is necessary to maintain a minimum average of 85% on 30 credits over each Fall/Winter Session at Nipissing to qualify for renewal of the President's Scholarship. To be considered for these scholarships, students must apply for admission to Nipissing University prior to the date of first offers of admission to current secondary school students.

Carl Sanders Scholarships

Value: \$1,000 or \$2,000

Application required: No

Type: Scholarship

Awarded to full-time students entering the first year of an undergraduate degree program at Nipissing. Students who attain a final average of 80% or better will receive a \$1,000 scholarship and students who attain a final average of 85% or better on six OAC's completed as of June 30th of their graduating year will receive a \$2,000 scholarship. To be considered, students must apply for admission to Nipissing University prior to June 1.

Nipissing University Achievement Awards

Value: \$500

Application required: No

Type: Scholarship

Awarded to full-time students entering first year of an undergraduate degree program at Nipissing. Students who attain a final average of 75% or better on six OAC's completed as of June 30th of their graduating year will receive a \$500 scholarship. To be considered, students must apply for admission to Nipissing University prior to June 1.

Mac's Convenience Inc./ Northmar Distributors Entrance Scholarship

Value: \$1000; renewed at \$500

Application required: Yes

Type: Scholarship

Presented annually to a full-time, first year Faculty of Arts and Science student who has a minimum admittance average of 80%. Preference is given to a student who is the child or spouse of a corporate employee or dealer (Northern district) of Mac's Convenience Inc. or Northmar Distributors. Preference will also be given to a student who is enrolled in one of the following degree programs: Bachelor of Business Information Systems, Bachelor of Business Administration, Computer Science, Bachelor of Arts (Administrative Studies or Economics). The recipient(s) of this scholarship may be considered for a subsequent scholarship by maintaining at least an overall average of 80% during their first year at Nipissing University. Submit, to the Financial Aid Office, an official transcript from the most recent educational institution, along with a letter from either Mac's Convenience or Northmar Distributors to verify he/she is child or spouse of an employee of either company. Deadline: May 1.

Faculty of Arts and Science Entrance Bursaries and Awards

Unless otherwise indicated, students will be considered automatically for the following bursaries and awards.

Al Brennan Memorial Award

Value: \$250

Application required: Yes

Type: Award

Awarded each year to a local student entering full-time studies at Nipissing University who actively participated in extra curricular activities at the high school level and demonstrates financial need. Complete a Nipissing University Application for Student Awards available from the Financial Aid Office. Deadline: October 15.

M.E. Follis University Founders' Award

Value: \$700

Application required: Yes

Type: Award

Presented annually to a full-time first year student in the School of Business and Economics who graduated from St. Joseph's - Scollard Hall, North Bay, Ontario, the previous year. Students will be considered based on their involvement in voluntary activities and demonstrated financial need. The recipient of this award may be considered for a second year by submitting a new application the following year. The Student Affairs Committee will select the successful candidate. Applications are available in the Financial Aid Office and require a letter of reference from a former educator at St. Joseph's-Scollard Hall. Deadline: May 1. This award may not be offered every year.

Laurentian Community Veterans Association Award

Value: \$1,000

Application required: Yes

Type: Award

Presented to a first year full-time student who was a graduate of Chippewa or Widdifield Secondary School in the previous year. Complete a Nipissing University Application for Student Awards available from the Financial Aid Office. Deadline: October 15.

Nipissing Caribbean Awards

Value: \$1,500

Application required: No

Type: Award

Presented to selected applicants from the Caribbean who are accepted to a degree program at Nipissing University.

Nipissing University Alumni Entrance Award

Value: \$500

Application required: Yes

Type: Award

Presented to a full-time student, entering first year with at least an overall "B" average (minimum 70%) on six OAC's, who is the child or grandchild of a Nipissing graduate. The applicant must have demonstrated participation and leadership in extra-curricular activities such as volunteer service, achievement in athletics or the arts, or other significant endeavours. The final decision is made by the Student Affairs Committee. Applications may be obtained from the Financial Aid Office. Deadline: May 1.

Nipissing University Faculty Association (NUFA) Community Accomplishment Award (Arts and Science)

Value: \$1000
Application required: Yes
Type: Award

Presented annually to a full-time student entering the first year of a Faculty of Arts and Science degree program with a solid academic standing (minimum 75%) in the studies completed in the year prior to admission to their current program. The recipient may be in one or more of the following categories:

- 1) demonstrated strong background in student and local community governance, or in other student activities;
- 2) significant efforts related to volunteer activities that benefit the community;
- 3) demonstrated commitment to a social issue.

A special committee comprising members of NUFA and the Student Affairs committee will select the successful candidates. Applications, including a written explanation of the role the student played in the community and a summary of accomplishments and volunteer activities, must be accompanied by a reference statement from an official representative of the student's secondary school or community. Applications may be obtained from the Financial Aid Office. Deadline: July 1.

Robert and Ann Parsons Northern Scholar Award

Value: \$3,000 per year
Application required: Yes
Type: Award

Designed to encourage North Bay and surrounding community high school students to study at Nipissing University. This award is presented to a full-time student entering the first year of a Bachelor of Arts (three year general, three year liberal or four year honours) degree at Nipissing University with high academic standing (minimum 75% in their Ontario Academic Credits (OACs)). This award aims to recognize students who exemplify excellence among their peers in terms of academics, extra-curricular involvement and citizenship. The recipient must demonstrate financial need. This award may be renewed for up to three additional years based on continued involvement in extra-curricular activities, exemplary citizenship, evidence of financial need, and the maintenance of a minimum 75% overall average as a full-time student in a Bachelor of Arts program at Nipissing University. Applications will be sent to eligible students in early spring. Students are required to provide one supporting reference from an official representative at their high school. Deadline: May 1. Recipients must complete a new application to be considered for renewal.

Ptarmigan Mining Scholarship

Value: \$5,000 per year
Application required: Yes
Type: Award

Presented to a first year student who is the child of a mining sector employee, has obtained a minimum average of 75% on his/her best six OAC's, and demonstrates involvement in extra-curricular activities. The scholarship is renewable for up to three additional years based on continued involvement in extra-curricular activities, evidence of financial need, and the maintenance of a minimum 75% overall average as a full-time student at Nipissing. Applications may be obtained from the Financial Aid Office. Deadline: May 1.

J.S. Redpath Limited Scholarship in Business

Value: \$2,500
Application required: Yes
Type: Award

Designed to attract and follow students through the Bachelor of Business Administration degree program. Applicants must possess a minimum 75% on their best six OAC's, and exemplify interest and involvement in extra-curricular activities. Applications will be sent to eligible OAC applicants in the spring of each year that the award is to be offered. Deadline: May 1.

J.S. Redpath Limited Scholarship in Environmental Science

Value: \$2,500
Application required: Yes
Type: Award

Designed to attract and follow students through the Bachelor of Science in Environmental Science and Physical Geography degree program. Applicants must possess a minimum 75% in their best six OAC's, and exemplify interest and involvement in extra-curricular activities. Applications will be sent to eligible OAC applicants in the spring of each year that the award is to be offered. Deadline: May 1.

Bachelor of Business Information Systems Talon Tuition Scholarship

Value: \$5,000
Application required: Yes
Type: Award

Presented to a student entering the Bachelor of Business Information Systems program with a strong academic record who also demonstrates financial need. Applications will be sent automatically to all eligible candidates. Deadline: May 1.

Bachelor of Science (Honours) in Environmental Biology and Technology Talon Tuition Scholarship

Value: \$5,000
Application required: Yes
Type: Award

Presented to a student entering the Bachelor of Science (Honours) in Environmental Biology and Technology program with a strong academic record who also demonstrates financial need. Applications will be sent automatically to all eligible candidates.

Tuition Assistance Awards

Value: \$1,000
Application required: Yes
Type: Bursary

Students applying for full-time admission to the first year of an undergraduate degree program at Nipissing University are eligible to apply for this award. To be considered, applicants must have applied for admission to Nipissing University prior to May 1, and demonstrate financial need. Applications for these awards will be sent to all qualified students.

Voluntary Community Service Award

Value: \$1,250
Application required: Yes
Type: Award

Presented annually to a full-time student enrolled for the first time in the Bachelor of Arts program (honours or general) in a humanities or social science discipline with high academic standing (minimum 75%). This award aims to recognize a student who exemplifies an outstanding dedication to his/her community through active participation in organizations and projects that work towards enriching and improving the quality of life for individuals and the entire community. The recipient will demonstrate strong leadership skills, a desire to help those in need and the ability to motivate his/her peers to become active volunteers in the community. Preference will be given to students who have been active role models in Big Sisters' associations. The recipient must demonstrate financial need. This award may be renewed for up to three additional years based on continued involvement in extra-curricular community-focused activities, exemplary citizenship, evidence of financial need, and the maintenance of a minimum 75% overall average as a full-time student at Nipissing University. Recipients must complete a new application to be considered for renewal. The final decision is made by the Student Affairs Committee. Applications will be sent to eligible students in the spring of each year that the award is to be offered. One academic reference from an official representative at the student's most recent educational institution and one additional character reference related to the community organization/projects, which the student has described in his/her application, must accompany all application packages. Deadline: May 1.

Scholarships, Bursaries and Awards Available to all Students

The following awards are available to all Nipissing University students.

Unless otherwise indicated, students will be considered automatically for the following scholarships, bursaries and awards. For most awards, you need to complete only one application form, the Nipissing University Application for Student Awards, which is available from the Financial Aid Office.

Aramark Canada Bursary

Value: \$1,000 each
Application required: Yes
Type: Bursary

Presented annually to four full-time Nipissing University students on the basis of financial need. Apply on the Nipissing University Application for Student Awards available from the Financial Aid Office. Deadline: October 15.

Assante Bursary

Value: \$200
Application required: Yes
Type: Bursary

Presented annually to a full-time Nipissing University student. Apply on the Nipissing University Application for Student Awards available from the Financial Aid Office. Deadline: October 15.

Dr. Kenneth J. Barry Memorial Bursary

Value: \$300
Application required: Yes
Type: Bursary

Awarded on the basis of financial need. Apply on the Nipissing University Application for Student Awards available from the Financial Aid Office. Deadline: October 15.

Boart Longyear Bursary

Value: \$300
Application required: Yes
Type: Bursary

Presented on the basis of financial need. Apply on the Nipissing University Application for Student Awards available from the Financial Aid Office. Deadline: October 15.

H.E. Brown Bursary

Value: \$200
Application required: Yes
Type: Bursary

Presented on the basis of financial need. Apply on the Nipissing University Application for Student Awards available from the Financial Aid Office. Deadline: October 15.

Dr. Herb and Mrs. Geetie Brown Bursary

Value: \$300
Application required: Yes
Type: Bursary

Presented on the basis of financial need. Apply on the Nipissing University Application for Student Awards available from the Financial Aid Office. Deadline: October 15.

Dr. Herbert A. Bruce Chapter IODE Bursary

Value: 3 at \$250 each
Application required: Yes
Type: Bursary

Awarded on the basis of financial need. Apply on the Nipissing University Application for Student Awards available from the Financial Aid Office. Deadline: October 15.

Campus Shop Bursary

Value: \$250
Application required: Yes
Type: Bursary

Awarded on the basis of financial need. Apply on the Nipissing University Application for Student Awards available from the Financial Aid Office. Deadline: October 15.

Canadian Federation of University Women Bursary

Value: \$250 each
Application required: Yes
Type: Bursary

Awarded to a female student demonstrating financial need. Apply on the Nipissing University Application for Student Awards available from the Financial Aid Office. Deadline: October 15.

Joshua Carfagnini Awards

Value: \$500 each
Application required: Yes
Type: Award

Presented to selected full-time students participating in athletics. Selection is made on the basis of academic merit and financial

need. Complete a Nipissing University Application for Student Awards available from the Financial Aid Office. Deadline: October 15. The recipients will be selected in consultation with the university athletics department.

Embree Recognition Systems Bursary

Value: \$250
Application required: Yes
Type: Bursary

Presented annually to a full-time Nipissing University student on the basis of financial need. Apply on the Nipissing University Application for Student Awards available from the Financial Aid Office. Deadline: October 15.

George Galanis Memorial Award

Value: \$1,000
Application required: Yes
Type: Bursary

Awarded on the basis of financial need. Apply on the Nipissing University Application for Student Awards available from the Financial Aid Office. Deadline: October 15.

Phyllis Kathleen Hart Memorial Bursaries

Value: variable (\$500 minimum)
Application required: Yes
Type: Bursary

Awarded on the basis of financial need to Aboriginal Nipissing University students. Complete a Nipissing University Application for Student Awards available from the Financial Aid Office. Deadline: October 15.

John Jeffries Award

Value: \$500 each
Application required: Yes
Type: Bursary

Established by John Jeffries, former Laker's coach of women's volleyball from 1994-1998. The award is presented to three students who exhibit outstanding athletic participation in the sport of women's volleyball, and who demonstrate financial need. Complete a Nipissing University Application for Student Awards available from the Financial Aid Office. Deadline: October 15.

Carrie Ruth Johnston Award

Value: \$1,250
Application required: Yes
Type: Bursary

Presented to a student to ensure a Nipissing University education remains financially accessible. Apply on the Nipissing University Application for Student Awards available from the Financial Aid Office. Deadline: October 15.

Tom Johnston Award

Value: \$1,250
Application required: Yes
Type: Bursary

Presented to a student to ensure a Nipissing University education remains financially accessible. Apply on the Nipissing University Application for Student Awards available from the Financial Aid Office. Deadline: October 15.

Jack and Mary Ann Jones International Exchange Awards

Value: up to \$1500
Application required: Yes
Type: Award

Presented to selected students who are participating in international exchange activities through Nipissing University. Recipients must demonstrate financial need. Applications are available in the Financial Aid Office.

Kennedy Insurance Brokers Inc. Bursary

Value: \$400
Application required: Yes
Type: Bursary

Awarded on the basis of financial need. Apply on the Nipissing University Application for Student Awards available from the Financial Aid Office. Deadline: October 15.

L'Hibou Award

Value: \$500
Application required: No
Type: Award

Presented to the full-time first year student who best combines a high level of academic excellence with an interest and involvement in the affairs of Nipissing University. A minimum of first class honour standing is generally required plus active participation in cultural and/or athletic events that better the life of the University. The award is to go to the student who most successfully strives toward excellence and virtue, and in some measure succeeds. Candidates must be recommended by the Student Union.

Laker's Men's Volleyball Award

Value: \$750
Application required: Yes
Type: Bursary

Established by past and present student athletes and friends of Laker's Men's Volleyball. The award is presented to a student who demonstrates outstanding athletic participation in the sport of men's volleyball and who is deemed most deserving by the Financial Aid Administrator. Complete a Nipissing University Application for Student Awards available from the Financial Aid Office. Deadline: October 15. Selection will be made in consultation with the Director of the Athletics Department.

Jacqueline Lecour Memorial Fund Bursary

Value: \$150
Application required: Yes
Type: Bursary

Presented on the basis of financial need. Apply on the Nipissing University Application for Student Awards available from the Financial Aid Office. Deadline: October 15.

Mayne Travel Services Bursary

Value: \$300
Application required: Yes
Type: Bursary

Awarded on the basis of financial need. Apply on the Nipissing University Application for Student Awards available from the Financial Aid Office. Deadline: October 15.

Nipissing University Faculty Association Emergency Bursary Fund

Value: max. \$500 per recipient
Application required: Yes
Type: Bursary

Available to full-time and part-time Nipissing University students who demonstrate significant financial need in an emergency situation. Limited assistance is available annually. The value of assistance varies depending on the situation. See the Manager of Financial Aid to apply.

Nipissing University Faculty Association (NUFA) Learning Opportunities Assistantships

Value: maximum awards of \$500 each
Application required: Yes
Type: Award

Presented to upper year, full-time or part-time Nipissing University students from the Faculty of Arts and Science or the Faculty of Education to encourage the continuation of learning experiences and projects outside the classroom, campus or community. Recipients must have at least an overall "B" average and present a project/learning experience that is self-initiated and not related to any faculty-directed research projects or assignments. A special committee comprising members of NUFA and the Student Affairs committee will select the recipients of the assistantships. Recipients must provide feedback/presentation about their learning opportunity to the other students/faculty in the course related to their assistantship. For more information on the assistantships and application deadlines please see the Financial Aid Office. Applications, including a written explanation of the project/learning experience, projected costs and significance of the project/learning experience to the university community must be accompanied by a letter of support from a Nipissing University faculty member. Deadline: May 15.

Nipissing University International Development Scholarships

Value: \$1,500
Application required: Yes
Type: Award

Presented to selected full-time upper year International students from developing countries who are in good academic standing and demonstrate financial need. Applications are available from the Financial Aid Office. Deadline: October 15.

Nipissing University Laker Spirit Award

Value: \$250
Application required: No
Type: Scholarship

Awarded annually to a full-time upper year student whose integrity, scholarship and extra-curricular contribution to the Nipissing University athletic community is outstanding. This award aims to recognize a student who strives to encourage the "Laker Spirit" in one or more of the following areas of university athletics: varsity and intramural sports, winter classic, the Nipissing University Student Athletic Council, coaching and/or official game duties. All nominated candidates are required to be in good academic standing. Nominations will be requested from the university community (faculty, staff, students and alumni) in February. The decision is made by the Athletics Advisory Board.

Nipissing University Reinvestment Fund Bursary

Value: variable
Application required: Yes
Type: Bursary

Established through donations from businesses, service clubs, individuals and Nipissing University itself. Bursaries are awarded to students who are enrolled at Nipissing University and who are in financial need. Complete the Nipissing University Application for Student Awards available from the Financial Aid Office. Deadline: October 15.

NUSU (Nipissing University Student Union) Bursary

Value: \$500
Application required: Yes
Type: Bursary

Presented to full-time students who demonstrate financial need to ensure a Nipissing University education remains financially accessible. NUSU has provided a total of \$4500 to fund these bursaries. Apply on the Nipissing University Application for Student Awards available from the Financial Aid Office. Deadline: October 15.

NUSU Service Award

Value: \$500
Application required: No
Type: Award

Presented to a full-time or part-time Nipissing student who actively engages in service to the Nipissing University and North Bay communities. This student's involvement will uphold NUSU's mandate of servicing the university community. The recipient will be selected by NUSU.

NUSU Student Life Award

Value: \$500
Application required: No
Type: Award

Presented to a full-time student who most enhances student life at the University. The award was established in 1993 in commemoration of the first year of Nipissing's status as a university and the University's 25th anniversary. Candidates for nomination cannot include current members of the Student Union Executive or those with Council responsibilities; rather the award is intended to recognize any other extra-curricular activities taken on by the nominee. The recipient is selected by the Student Union. Candidates must be nominated.

NUSTAND (Nipissing University Student to Alumni Network Development) Citizenship Award

Value: \$250
Application required: No
Type: Award

Presented to a full-time student who demonstrates financial need and also contributes to the enhancement of student life through involvement with clubs, athletics events, and other volunteer driven organizations on campus.

Nugget Bursary

Value: \$250
Application required: Yes
Type: Bursary

Awarded on the basis of financial need. Apply on the Nipissing University Application for Student Awards available from the Financial Aid Office. Deadline: October 15.

Power Financial Corporation Bursary

Value: \$1,000
Application required: Yes
Type: Bursary

Presented annually to a full-time Nipissing University student on the basis of financial need. Apply on the Nipissing University Application for Student Awards available from Student Affairs. Deadline: October 15.

Ruth Rightmyer Memorial Bursary

Value: \$200
Application required: Yes
Type: Bursary

Awarded on the basis of financial need. Apply on the Nipissing University Application for Student Awards available from the Financial Aid Office. Deadline: October 15.

Rotary Club of Nipissing Scholarship

Value: \$1,000
Application required: Yes
Type: Award

Awarded to a full-time Nipissing University student in his/her second, third or fourth year (BED included). The recipient must have maintained a minimum overall average of 80%, as well as exemplify the Rotarian goal of "Service above Self" in the community. The final decision will be made by the Rotary Club of Nipissing. The recipient must demonstrate financial need. Applications may be obtained from the Financial Aid Office. Deadline: October 15.

Royal & SunAlliance Insurance Bursary

Value: \$1,000
Application required: Yes
Type: Bursary

Presented annually to a full-time Nipissing University student on the basis of financial need. Apply on the Nipissing University Application for Student Awards available from the Financial Aid Office. Deadline: October 15.

Brent Saari Memorial Bursary

Value: \$300
Application required: Yes
Type: Bursary

Awarded on the basis of financial need. Apply on the Nipissing University Application for Student Awards available from the Financial Aid Office. Deadline: October 15.

Herb and Tena Sparrow Memorial Awards

Value: two awards at \$1250 each
Application required: Yes
Type: Award

Established in honour of Mr. Herbert Moffat Sparrow and Mrs. Christena Isabel "Tena" Sparrow's dedication, spirit and commitment to Northern Ontario, these awards are presented to two full-time Nipissing University students who exemplify dedication to volunteer and community service. The recipients must also demonstrate financial need. Apply on the Nipissing University Application for Student Awards available from the Financial Aid Office. Deadline: October 15.

Mrs. L. Surtees Bursary

Value: \$200
Application required: Yes
Type: Bursary

Awarded on the basis of financial need. Apply on the Nipissing University Application for Student Awards available from the Financial Aid Office. Deadline: October 15.

R. Surtees Bursary

Value: \$100
Application required: Yes
Type: Bursary

Presented on the basis of financial need. Apply on the Nipissing University Application for Student Awards available from the Financial Aid Office. Deadline: October 15.

Faculty of Arts and Science Scholarships, Bursaries and Awards

Unless otherwise indicated, students will be considered automatically for the following scholarships, bursaries and awards.

Multi-Disciplines

Carl Sanders Scholarships

Value: \$500 and \$750
Application required: No
Type: Scholarship

Awarded to full-time students entering second, third or fourth year of an undergraduate program at Nipissing. Students will receive a \$500 scholarship if they attain a minimum average of 80%, or a \$750 scholarship if they attain a minimum average of 85% on 30 credits over the previous Fall/Winter session at Nipissing.

John Douglas Barker Memorial Award

Value: \$1,000
Application required: No
Type: Award

Presented annually to a full-time second year student enrolled in either the Bachelor of Science, or the Bachelor of Science (Honours) in Environmental Biology and Technology program with a minimum average of 70% who also demonstrates financial need.

Dr. Herbert A. Bruce Chapter IODE

Award

Value: \$250
Application required: Yes
Type: Award

Presented to the full-time Nipissing University student in good academic standing deemed most deserving by the Awards Committee. Complete a Nipissing University Application for Student Awards available from the Financial Aid Office. Deadline: October 15.

Canadian Federation of University

Women Arts Scholarship

Value: \$200
Application required: No
Type: Scholarship

Awarded to the female student in third year who has achieved the highest overall average (over 80%) in the first two years of the Arts program at Nipissing University and who has graduated from one of the five North Bay High Schools.

Canadian Federation of University Women Liberal Science Scholarship

Value: \$200
Application required: No
Type: Scholarship

Awarded to the female student with the highest academic standing in the first two years of the Bachelor of Liberal Science program, and who is continuing full-time studies at Nipissing University in the same program.

Marc Chenier Memorial Awards

Value: \$600
Application required: No
Type: Scholarship

Presented to two deserving students in good academic standing, taking three or more courses, who are in one of the following categories:

- 1) a special needs student who has shown persistence and courage in pursuing his/her studies;
- 2) a student who is aiding a special needs person on campus or in the community;
- 3) a student who heightens awareness of special needs on campus or in the community.

The final decision is made by the Student Affairs Committee. Candidates must be recommended to the Financial Aid Office by October 15.

Ivan A. Clysdale Awards

Value: \$500 each
Application required: No
Type: Award

Presented annually to two full-time Faculty of Arts and Science students who demonstrate hard work and enthusiasm in their studies. Recipients are selected by the Student Awards Committee.

Critchley Delean Trussler Evans Bertrand College Admission Awards

Value: \$500 each
Application required: Yes
Type: Award

Presented annually to two new full-time Nipissing University students who attended an Ontario CAAT (College of Applied Art and Technology) during the previous academic year. Eligible students will be considered based on two factors:

- 1) a minimum overall B+ average from College, and
- 2) evidence of financial need.

Complete a Nipissing University Application for Student Awards available from the Financial Aid Office. Deadline: October 15.

Margaret Frith Memorial Award

Value: \$500
Application required: Yes
Type: Award

Presented annually to a continuing full-time Faculty of Arts and Science student with a minimum average of 75%. The recipient must demonstrate financial need. Complete a Nipissing University Application for Student Awards available from the Financial Aid Office. Deadline: October 15.

Shirley Harris Wood Memorial Award

Value: \$300
Application required: No
Type: Scholarship

Presented to a full-time female student enrolled in her third or fourth year of a four-year program (preferably in the Humanities) with a minimum 70% average overall, who, at the time of admission was admissible as a Mature Student or as a college transfer, and is deemed deserving by the Awards Committee.

Calliope Loukidelis Memorial Scholarship

Value: \$300
Application required: No
Type: Scholarship

Sponsored by the Canadian Federation of University Women and awarded to the full-time female Nipissing University student who received the highest overall average as a graduate

from a Nipissing District Secondary School in the preceding year.

Agnes Macphail Scholarship

Value: \$200
Application required: No
Type: Scholarship

Donated by Dr. Patricia Hughes and awarded to the full-time female mature student with the highest average (minimum 75%) on five concurrent courses entering second year full-time studies at Nipissing.

Mac's Convenience Inc./ Northmar Distributors Mature Student Scholarship

Value: \$1000; renewed at \$500
Application required: Yes
Type: Scholarship

Presented annually to a full-time, Faculty of Arts and Science student enrolled in his/her second year with a minimum first year average of 80% on a minimum of 18 credits, who at the time of admission was admissible as a mature student. Preference is given to students who are the child or spouse of a corporate employee or dealer (Northern district) of Mac's Convenience Inc. or Northmar Distributors. Preference will also be given to students enrolled in the following degree programs: Bachelor of Business Information Systems, Bachelor of Business Administration, Computer Science, Bachelor of Arts (Administrative Studies or Economics). The recipient of this scholarship may be considered for a subsequent scholarship by maintaining at least an overall 80% average during his/her second year at Nipissing University. Submit a letter to the Financial Aid Office requesting to be considered for this award, along with a letter from either Mac's Convenience or Northmar Distributors to verify he/she is the child or spouse of an employee of either company. Deadline: October 15.

Nipissing University Arts and Science Aboriginal Award

Value: \$500
Application Required: Yes
Type: Award

Presented annually to a second year full-time Aboriginal student enrolled in an Arts and Science degree program who has a minimum overall average of 75% and demonstrates financial need. Apply on the Nipissing University Application for Student Awards available from the Financial Aid Office. Deadline: October 15.

Nipissing University Alumni Association Distinguished Alumnus/a Award

Value: \$500
Application required: Yes
Type: Award

Presented in honour of a distinguished alumnus each year. It is awarded on the basis of financial need to an upper year student in the Orientation to Teaching Program who has at least an overall "B" average. Complete a Nipissing University Application for Student Awards available from the Financial Aid Office. Deadline: October 15.

Nipissing University Alumni Association Student Life Award

Value: \$500
Application required: Yes
Type: Award

Presented to a second, third, or fourth year, full-time student maintaining a minimum 70% average. The student will have contributed to one or more of the following categories: on campus clubs, volunteer community services, student government, athletic teams, or active participation in extra-curricular activities. The recipient is selected by the Alumni Association in conjunction with the Financial Aid Administrator and must demonstrate financial need. Complete a Nipissing University Application for Student Awards available from the Financial Aid Office. Deadline: October 15.

Nipissing University Faculty Association (NUFA) Academic Achievement Awards in Arts and Science

Value: two awards at \$2,500
Application required: Yes
Type: Award

Presented annually to two returning, full-time students enrolled in the Faculty of Arts and Science program with a minimum overall average of 85%. A special committee comprising members of NUFA and the Student Affairs committee will select the recipients of the Academic Achievement Award. Preference will be given to students who are not the recipients of the Nipissing University President's Scholarship. Applications, including a written explanation of the student's past accomplishments and future career goals, must be accompanied by a resume and a letter of reference from a Nipissing University faculty member. Applications are available in the Financial Aid Office. Deadline: October 15.

NUSU (Nipissing University Student Union) Bachelor of Science Scholarship

Value: \$500
Application required: No
Type: Scholarship

Awarded to the full-time BSc student with the highest average (minimum 70%) in the first year on five concurrent courses entering second year full-time BSc studies at Nipissing University.

North Bay Kinette Community Service Award

Value: \$350
Application required: Yes
Type: Award

Presented to a second, third or fourth year student from the North Bay community who exemplifies a volunteer/community service attitude. The recipient must demonstrate financial need. Complete a Nipissing University Application for Student Awards available from the Financial Aid Office. Deadline: October 15.

Royal Bank Technological Studies Award

Value: \$1,000
Application required: No
Type: Award

Presented annually to a full-time second, third or fourth year student enrolled in either Computer Science, Bachelor of Business Information Systems, or Bachelor of Science (Honours) in Environmental Biology and Technology with a minimum average of 75%. The recipient must demonstrate financial need.

Scotia Bank Award for Excellence in Technology

Value: \$1,000
Application required: No
Type: Award

Presented annually to a full-time second, third or fourth year student enrolled in the Bachelor of Business Information Systems or the Bachelor of Science (Honours) in Environmental Biology and Technology program with a minimum average of 70%.

Talon Research Assistantships

Value: up to \$1,000
Application required: Yes
Type: Award

Designed to further strengthen research as part of scholarship at Nipissing University. The awards are presented to selected upper year students enrolled in eligible courses participating in research activities. Applications are available in the Financial Aid Office and are reviewed on a first come, first served basis. Final deadline: January 15.

Tembec Citizenship Awards

Value: \$500
Application required: No
Type: Award

Presented to selected students entering second, third or fourth year of Nipissing University with at least an overall "B" average, who are in one or more of the following categories:

- 1) they display admirable leadership qualities in the community, in student government, or in other student activities,
- 2) they devote significant efforts to volunteer activities to benefit our community,
- 3) they actively participate in extra-curricular activities.

Selection of the successful candidate is made by the Student Affairs Committee. Nominations are requested from the University community (faculty, staff, and students) in October. Recipients must demonstrate financial need.

J.W. Trusler Proficiency Awards in Arts and Science

Value: \$300
Application required: No
Type: Scholarship

Presented to a graduating student, either part-time or full-time, in each major. The recipients are chosen by the respective faculty of each major, primarily on the basis of academic achievement. Each student must have a minimum 80% average in the course used to calculate the average in his/her major. The majority of credits (24 for three-year degree students and 48 for four-year degree students) must have been earned at Nipissing University. Students with a double major are only eligible to receive one J.W. Trusler Award.

Governor General's Academic Silver Medal

Application required: No
Type: Medal

This medal is awarded for academic excellence to the student graduating from a three-year or four-year bachelor degree program in the Faculty of Arts and Science with the highest academic standing.

President's Gold Medals

The full- or part-time student graduating from the Faculty of Arts and Science who attains the highest academic average in all courses in that degree program will receive a President's Gold Medal and a cash award of \$500. Students in a four-year program must have earned a minimum of 90 credits at Nipissing University and have a minimum overall average of 80%. Students in a three-year program must have earned a minimum of 60 credits at Nipissing University and have an overall average of at least 80%.

A student may not receive a President's Gold Medal and the J.W. Trusler Proficiency Award at the same time.

Business/Economics

Assante Macroeconomics Award

Value: \$1,000
Application required: No
Type: Award

Presented to a full-time upper year student who excelled (minimum 70%) in the Intermediate Macroeconomic Theory course (ECON 2016E) at Nipissing University in the preceding year. The recipient must demonstrate financial need.

Assante Microeconomics Award

Value: \$1,000
Application required: No
Type: Award

Presented to a full-time upper year student who excelled (minimum 70%) in the Intermediate Microeconomic Theory course (ECON 2006E) at Nipissing University in the preceding year. The recipient must demonstrate financial need.

Boart Longyear Award in Business

Value: \$2,500
Application required: No
Type: Award

Given to a returning student pursuing a Bachelor of Business Administration degree. Applicants must be in good academic standing in courses taken in the previous year as a full-time student at Nipissing and must demonstrate financial need.

Canadian Imperial Bank of Commerce Entrepreneurial Business Award

Value: \$1,000
Application required: No
Type: Award

Presented to a full-time student who excelled in the Introduction to Small Business Administration course (ADMN 3306E). Students must be nominated by their Department. The recipient must demonstrate financial need.

Stephen Carnegie Memorial Award

Value: \$1,000
Application required: No
Type: Award

Presented to a full-time, upper year student enrolled in the Bachelor of Business Administration (BBA) program with a minimum average of 75%. Preference is given to students in the accounting stream. The recipient must demonstrate financial need.

Certified General Accountants Association of Ontario Award

Value: \$150
Application required: No
Type: Scholarship

Presented to a graduating student who intends to pursue a CGA designation and has obtained the highest cumulative average (minimum 80%) in ADMN 2106E, ADMN 2107E, ADMN 2146E and ADMN 2147E. In addition to the cash award, the recipient receives an indexed credit equivalent to one year's study in the CGA program.

John H. Clark Award

Value: \$2,500
Application required: No
Type: Award

Awarded to a full-time second, third or fourth year Bachelor of Business Administration student with an excellent academic record who also demonstrates financial need.

William J. Hotten Award

Value: \$200
Application required: No
Type: Scholarship

Presented to the full-time student in Administrative Studies or Business demonstrating outstanding perseverance and determination in his/her studies. The recipient is selected by the Business Department.

Nipissing East Community Opportunities Entrepreneurship Award

Value: \$150
Application required: No
Type: Scholarship

Presented to the Bachelor of Business Administration student best demonstrating a combination of academic and creative excellence in entrepreneurship as determined by the Department.

Nipissing University Alumni Association Administrative Studies Award

Value: \$500
Application required: No
Type: Award

Presented to an upper-year, full-time student who has excelled in the Administrative Studies program at Nipissing University. The recipient must demonstrate financial need.

NUSU (Nipissing University Student Union) Bachelor of Business Administration Scholarship

Value: \$500
Application required: No
Type: Scholarship

Awarded to the full-time BBA student with the highest average (minimum 70%) in the first year on five concurrent courses entering second year full-time BBA studies at Nipissing University.

North Bay and District Chartered Accountant's Association Award

Value: \$250
Application required: No
Type: Scholarship

Presented to a full-time student who has completed the third year of Nipissing University's four year Bachelor of Business Administration degree and has demonstrated high academic achievement and other merits. This scholarship may not be offered every year.

Northmar Distributors' Award in Business Information Systems

Value: \$250
Application required: No
Type: Award

Presented annually to a full-time second year student enrolled in the Bachelor of Business Information Systems program with a minimum average of 75%. The recipient must demonstrate financial need.

Brian "Irish" O'Reilly Memorial Award

Value: \$500
Application required: No
Type: Award

Established by the Kinsmen Club of North Bay in memory of Brian "Irish" O'Reilly. This award is presented annually to a second, third or fourth year student enrolled in the School of Business and Economics at Nipissing University. The recipient will display a commitment to volunteerism and community service, as well as exemplify admirable leadership and citizenship qualities. The recipient must demonstrate financial need. The Student Affairs Committee will make the final decision. Nominations, which would include a written summary of the nominee's volunteer activities, will be requested from the University community (faculty, staff and students). Nomination forms may be obtained from the Financial Aid Office and must be submitted by October 15.

Optimum Frontier Insurance Business Proficiency Award

Value: \$1,000
Application required: No
Type: Award

Presented annually to a full-time second, third or fourth year student enrolled in the Nipissing University School of Business and Economics with a minimum average of 75%. The recipient must demonstrate financial need.

Sara Whitehead Memorial Awards

Value: \$2,500 each
Application required: No
Type: Award

Awarded annually to two full-time, female students who are currently enrolled in second, third or fourth year of the Bachelor of Business Administration program. The recipients will have earned a minimum 70% average and will have contributed significantly to the local community on a voluntary basis in one or more of the following areas: Business, Athletics, Community Support. The recipients will be selected by the Business Faculty. Nominations, including a written summary of the nominee's volunteer activities, must be submitted to the Chair of the Business Department by October 15. Recipients must demonstrate financial need.

Computer Science

CIBC Wood Gundy Award in Computer Science

Value: \$500
Application required: No
Type: Award

Presented annually to a full-time second, third or fourth year student enrolled in the Computer Science program with a minimum average of 70%. The recipient must demonstrate financial need.

English

Dr. Robert L. Cassidy Scholarship in English Studies

Value: \$750
Application required: Yes
Type: Award

Awarded annually in June to the graduating student, in third or fourth year English Studies, with an excellent academic record and demonstrated financial need who will be continuing her/his studies at either a faculty of education or a graduate school. The

faculty in the English department will select the most deserving applicant. Applications are available in the Financial Aid Office in early January.

Bea King Memorial Award in English Studies

Value: \$350
Application required: No
Type: Award

Presented to a fourth year female English Studies student with a minimum overall average of 80% who has demonstrated a deep commitment to English Studies both in and out of the classroom. Consideration is given to areas such as leadership in student literary culture, achievement in creative and performative activities, and an interest in related career areas. The recipient is selected by the English Studies faculty.

Nipissing University Alumni Association English Award

Value: \$500
Application required: No
Type: Award

Presented to a first year full-time student who has excelled in ENGL 1105E and who is continuing in full-time studies at Nipissing University. The recipient must demonstrate financial need.

George and Carol Valin Award in English Studies

Value: \$500
Application required: No
Type: Award

Presented to a full-time, upper year Nipissing University student enrolled in the English Studies program with high academic standing (minimum 75%). The recipient must demonstrate financial need.

Dr. George J. Zytaruk Founding President's Award in English Studies

Value: \$500
Application required: No
Type: Award

Presented, on the basis of financial need, to a full-time third or fourth year student enrolled in the Bachelor of Arts (Honours) program with English Studies as a major. The recipient must have a minimum average of 80% in his/her major.

Geography/Environmental Science

Ken Adams Memorial Award

Value: \$250
Application required: No
Type: Scholarship

Sponsored by the North Bay-Mattawa Conservation Authority and is presented to the student in good academic standing in an environmental major who has demonstrated a commitment to the conservation of the local natural environment and who is deemed most deserving by the Geography and Science faculty. The recipient's name is engraved on a plaque which is kept on permanent display at Nipissing University.

Boart Longyear Award in Environmental Geography

Value: \$2,500
Application required: No
Type: Award

Given to a returning student pursuing a Bachelor of Arts (Honours) degree in Environmental Geography. The recipient should be in good academic standing based on courses taken in the previous year as a full-time student at Nipissing and must demonstrate financial need.

Scholarship in Introductory Geography

Value: \$300
Application required: No
Type: Scholarship

Presented to the student with the highest mark in GEOG1016 and GEOG1017.

J. Wesley McNutt Environmental Science Bursary

Value: \$750 each
Application required: Yes
Type: Bursary

Presented to two full-time, upper year environmental science students on the basis of financial need. Apply on the Nipissing University Application for Student Awards available from the Financial Aid Office. Deadline: October 15.

Merani Environmental Science Scholarship

Value: \$500
Application required: No
Type: Scholarship

Presented annually to the fourth year full-time Bachelor of Science in Environmental Studies/Physical Geography student with the highest overall average on all courses taken in the first three years of the program at Nipissing University.

Nipissing University Alumni Association Geography Award

Value: \$500
Application required: No
Type: Award

Presented to a full-time student in second, third or fourth year of a Geography major (minimum 70%) deemed to be most deserving by the Geography Department. The recipient must demonstrate financial need.

William and Margaret Ross Environmental Geography Scholarship

Value: \$300
Application required: No
Type: Scholarship

Awarded to the full-time Environmental Geography student with the highest average (minimum 75%) on five concurrent courses entering second or third year full-time Environmental Geography studies at Nipissing.

History

Cup Gunning Award

Value: \$300
Application required: No
Type: Scholarship

Presented to the person who was a full-time student over the previous year at Nipissing University in a History major, who has shown a strong interest in Local Community History, and is deemed most deserving by the History faculty. Should a suitable candidate not be found, consideration is given to students showing a strong interest in Military History.

A.V. (Vern) McKinnon Memorial Award

Value: \$500
Application required: No
Type: Scholarship

Presented to the third year full-time student in a History major who has demonstrated an exceptional interest in the study of History, and who is deemed most deserving by the History faculty.

Nipissing University Alumni Association History Award

Value: \$500
Application required: No
Type: Award

Presented to a third year full-time student in a History major who has excelled on all History courses completed as a full-time student in first and second year at Nipissing University. The recipient must demonstrate financial need.

Mathematics

Owen Ilkyaz Tuncali Award

Value: \$800
Application required: No
Type: Award

Presented annually at convocation to a deserving graduating student in the Faculty of Arts and Science with a major in Mathematics who has obtained a high average in his/her major.

Psychology

Wendy Jackson Memorial Award

Value: \$400
Application required: No
Type: Scholarship

Presented to the full-time student who has chosen a career path in Psychology, has demonstrated outstanding research productivity, and is deemed most deserving by the Psychology Department.

Nipissing University Alumni Association Psychology Award

Value: \$500
Application required: No
Type: Award

Presented to a full-time student in second, third, or fourth year of a Psychology major (minimum 70%) deemed to be most deserving by the Psychology Department. Students are nominated by their department. The recipient must demonstrate financial need.

Social Welfare

Canadian Federation of University Women Social Welfare Scholarship

Value: \$200
Application required: No
Type: Scholarship

Awarded to a mature full-time female student who obtains the highest average in the Social Welfare Program, and who is continuing full-time studies at Nipissing University in the same program.

Manulife Financial Bursary

Value: \$500
Application required: Yes
Type: Bursary

Presented annually to an upper year, full-time student, with social welfare as a major, to ensure that a Nipissing University education remains financially accessible. The recipient must demonstrate financial need. Apply on the Nipissing University Application for Student Awards available from the Financial Aid Office. Deadline: October 15.

Nipissing University Alumni Association-Reverend Theodore Sobisch Social Welfare Award

Value: \$500
Application required: No
Type: Award

Presented to the third year student with Social Welfare as a major, who has excelled in SWLF 1005E and SWLF 2105E as a full-time student at Nipissing University. Students are nominated by their department. The recipient must demonstrate financial need.

Sociology

Nipissing University Alumni Association Sociology Award

Value: \$500
Application required: No
Type: Award

Presented to a full-time student in second, third, or fourth year of a Sociology major (minimum 70%) deemed to be most deserving by the Sociology Department. Students are nominated by their department. The recipient must demonstrate financial need.

Provincial Chapter of Ontario IODE Award

Value: \$500
Application required: Yes
Type: Award

Presented to a student entering his/her third year of the Bachelor of Arts degree program with a major in Sociology. The recipient must demonstrate financial need. Complete a Nipissing University Application for Student Awards available from the Financial Aid Office. A letter of academic reference from a selected member in Sociology is required. Selection is made in consultation with the Department. Deadline: October 15.

Spanish

Miguel de Cervantes Scholarship

Value: \$250
Application required: No
Type: Scholarship

Awarded to the full-time student receiving the highest mark in the Introductory Spanish course over the previous academic year, who is continuing full-time studies at Nipissing University.

Women's Studies

Dr. Herbert A. Bruce Chapter IODE Julie Hewitt Memorial Scholarship

Value: \$250
Application required: No
Type: Scholarship

Awarded to the full-time student who obtained the highest average in the Introduction to Women's Studies course over the previous academic year, and who is continuing studies at Nipissing University.

Faculty of Education Entrance Scholarships, Bursaries and Awards

Unless otherwise indicated, students will be considered automatically for the following scholarships, bursaries and awards.

Carl Sanders Scholarships

Value: \$500
Application required: No
Type: Scholarship

Students applying to the Faculty of Education will be considered for a scholarship based on their admission average.

Canadian Federation of University Women Bachelor of Education Admission Scholarship

Value: \$200
Application required: No
Type: Scholarship

Awarded to the female Nipissing University graduate with the highest admission average in the previous academic year who is enrolled in the full-time Bachelor of Education program at Nipissing.

Dino and Jean Dottori Math and Science Award

Value: \$300
Application required: No
Type: Scholarship

Presented to the student with the highest admittance average who was a graduate of Nipissing University in the preceding year and who is enrolled in the Junior/Intermediate or Intermediate/Senior Division of the full-time Bachelor of Education program with Math or Science as a teachable.

Alan J. Johnson Memorial Scholarship

Value: \$150
Application required: Yes
Type: Scholarship

Awarded to the applicant of Native Canadian Ancestry enrolled in the full-time Bachelor of Education Program with the highest prerequisite qualifications. Applications are available in the Financial Aid Office. Deadline: October 15.

John R. McCarthy Scholarship

Value: \$800
Application required: Yes
Type: Scholarship

Established in 1994 by John R. McCarthy, former Deputy Minister of University Affairs and Deputy Minister of Education for the Province of Ontario. The scholarship is awarded to a student who graduated with at least second-class standing from either a three-year or four-year program in the Faculty of Arts and Science at Nipissing University in the preceding academic year, and who is currently enrolled in the Faculty of Education at Nipissing in the Fall Session immediately following graduation. The student selected will have displayed leadership in student government and student affairs, made a personal contribution to the life of the University, shown a fondness and aptitude for sports, and displayed leadership and a sense of fair play in athletic endeavours. Applications will be sent to all qualified students. Deadline: October 15.

Nipissing University Faculty Association (NUFA) Academic Achievement Awards in Education

Value: 2 awards at \$2,500
Application required: Yes
Type: Award

Presented annually to two full-time students enrolled in the Faculty of Education program with a minimum admittance average of 85%. A special committee comprising members of NUFA and the Student Affairs committee will select the recipients of the Academic Achievement Award. Applications, including a written explanation of the student's past accomplishments and future career goals, must be accompanied by a resume and a letter of reference from a faculty member. Applications are available in the Financial Aid Office. Deadline: October 15.

Nipissing University Faculty Association (NUFA) Community Accomplishment Award (Education)

Value: \$1000
Application required: Yes
Type: Award

Presented annually to a full-time student entering the Faculty of Education at Nipissing with a solid academic standing (minimum 75%) in the studies completed in the year prior to admission to their current program. The recipients may be in one or more of the following categories:

- 1) demonstrated strong background in student and local community governance, or in other student activities,
- 2) significant efforts related to volunteer activities that benefit the community,
- 3) demonstrated commitment to a social issue.

A special committee comprising members of NUFA and the Student Affairs committee will select the successful candidates. Applications, including a written explanation of the role the student played in the community and a summary of accomplishments and volunteer activities must be accompanied by a reference statement from an official representative of the student's secondary school or community. Applications may be obtained from the Financial Aid Office. Deadline: July 1.

NUSU Bachelor of Education Awards

Value: \$250 each
Application required: No
Type: Award

Presented to two students. One is awarded to an incoming education student who has demonstrated a commitment to the Nipissing University community during his/her undergraduate studies and the other is awarded to an incoming education student who has demonstrated a commitment to his/her alma mater.

Robert Manion Surtees Scholarship

Value: \$500

Application required: No

Type: Scholarship

Awarded to a student who has earned his/her BA from Nipissing University (minimum 70% average), with History as a major, and who is enrolled in the full-time Bachelor of Education program at Nipissing. The final decision is made by the Student Affairs Committee.

Dr. Elizabeth Thorn Scholarships in Education

Value: \$2,500

Application required: No

Type: Award

Awarded to selected students in the Primary-Junior Division of the full-time Bachelor of Education program with a minimum admittance average of 80%. The recipient must demonstrate financial need.

Faculty of Education In-Course Scholarships, Bursaries and Awards

Unless otherwise indicated, students will be considered automatically for the following scholarships, bursaries and awards.

Dr. Herbert A. Bruce Chapter IODE Education Scholarship

Value: \$250

Application required: No

Type: Scholarship

Presented to the full-time Bachelor of Education student graduating with the highest overall average in the Junior/Intermediate Division.

Davies Family Memorial Bursary

Value: \$250

Application required: Yes

Type: Bursary

Established in memory of Bud and Neil Davies. This bursary is presented to a full-time student enrolled in the Bachelor of Education program at Nipissing University who demonstrates financial need. Apply on the Nipissing University Application for Student Awards available from the Financial Aid Office. Deadline: October 15.

Elementary Teacher's Federation of Ontario Scholarship

Value: \$250

Application required: No

Type: Award

Presented to a graduating full-time student from the Faculty of Education Primary/Junior or Junior/Intermediate Division who posts a high academic grade in Methods and who was highly successful in all practice teaching placements. This scholarship is intended to be presented to a student who will pursue a career in teaching and ideally register as a member of the Elementary Teacher's Federation. Students are nominated by the Faculty. The recipient must demonstrate financial need.

Ann Patricia Graham Memorial Award

Value: \$1,000

Application required: No

Type: Scholarship

Presented annually to a female student in the full-time Bachelor of Education program who, while a student at Nipissing University, demonstrated superior leadership abilities. The recipient is selected by the Faculty of Education.

Dr. Manfred Hanke Memorial Award

Value: \$500

Application required: No

Type: Award

Presented to the full-time Bachelor of Education student enrolled in the Intermediate/Senior Division taking the Computer Science elective (EDUC4417E) who is deemed most deserving by the Intermediate/Senior Division faculty and who demonstrates financial need.

Jack and Mary Ann Jones International Education Awards

Value: variable

Application required: Yes

Type: Award

Presented to students who received their Bachelor of Education degree from Nipissing University and who are participating in international education activities at Nipissing University. Preference is given to students who achieved high academic standing in the Bachelor of Education program. Recipients must demonstrate financial need. Applications are available in the Financial Aid Office in early May.

Greg Kotsilidis Memorial Award

Value: \$550

Application required: No

Type: Award

Presented to a deserving graduating full-time Bachelor of Education student who achieved a high average in the visual arts

course (Intermediate or Senior) and who demonstrated a commitment to encouraging the value of art in education. Students are nominated by the Faculty.

Sondra Nesterenko Memorial Award

Value: \$500
Application required: Yes
Type: Award

Presented annually to a full-time student in the Junior/Intermediate division of the Faculty of Education. The applicant must possess superior leadership skills and talents within an educational setting as well as provide an outline of his/her philosophy pertaining to educational leadership. Applications may be obtained from the Financial Aid Office. All documentation must be received by November 1. The Faculty of Education and the Financial Aid Administrator will select the recipient based on the written application and evidence of financial need.

Nipissing University Faculty of Education Aboriginal Award

Value: \$500
Application required: Yes
Type: Award

Presented annually to a full-time Aboriginal student enrolled in the Faculty of Education who has a minimum admission average of 75% and demonstrates financial need. Apply on the Nipissing University Application for Student Awards available from the Financial Aid Office. Deadline: October 15.

Ontario English Catholic Teachers' Association Religious Education Scholarship

Value: \$200
Application required: No
Type: Scholarship

Presented to the full-time Bachelor of Education student graduating with the highest average in the Religious Education course at Nipissing University.

Ontario Secondary School Teachers' Federation Award

Value: \$350
Application required: No
Type: Scholarship

Presented to the full-time student in the Bachelor of Education Intermediate/Senior Division who, in the opinion of the Intermediate/Senior Division faculty, has shown outstanding qualities of scholarship, teaching ability, and character.

Stan Pasko Mathematics Award

Value: \$300
Application required: No
Type: Award

Presented to a student in the Primary/Junior Division of the Faculty of Education who excelled in EDUC 4134E and who was graded highly successful in his/her practice teaching placements. Students are nominated by the Faculty. The recipient must demonstrate financial need.

Dr. Robert Richardson Award

Value: \$1,000
Application required: Yes
Type: Award

Presented to a full-time Nipissing University student enrolled in the Bachelor of Education program, who has an undergraduate degree in science, mathematics or engineering. Preference is given to students from northern Ontario and to students who were and continue to be involved in university athletics. The recipient must demonstrate financial need. Complete a Nipissing University Application for Student Awards available from the Financial Aid Office. Deadline: October 15.

J.W. Trusler Proficiency Awards in Education

Value: \$300
Application required: No
Type: Scholarship

Presented to six graduating students as selected by the faculty of each division, based primarily on academic achievement and for excellence in practice teaching. The number of awards for the Primary/Junior, Junior/Intermediate, and Intermediate/Senior Divisions is proportionate to the number of sections in each division.

Joan Weller Memorial Education Scholarship

Value: \$100
Application required: No
Type: Scholarship

Presented to the full-time Bachelor of Education student graduating with the highest overall average in the Primary/Junior Division.

William and Helen Wright Native Teaching Award

Value: \$400
Application required: Yes
Type: Award

Presented to a deserving student enrolled in the Faculty of Education, or an undergraduate student enrolled in the Faculty of

Arts and Science who intends to enroll in Nipissing's Faculty of Education, who expresses a sincere desire to teach in Native Communities or other remote areas of Canada. Applications are available from the Financial Aid Office. Deadline: March 1.

Governor General's Academic Gold Medal

Application required: No
Type: Medal

This medal is awarded for academic excellence to the student graduating from the Faculty of Education with a Masters of Education Degree with the highest academic standing.

President's Gold Medal - Bachelor of Education

Application required: No
Type: Medal

The student graduating from the Faculty of Education with a BEd degree, who attains the highest academic average in that degree program, will receive a President's Gold Medal and a cash award of \$500.

President's Gold Medal - Master of Education

Application required: No
Type: Medal

The full- or part-time student graduating from the Faculty of Education with an MEd degree, who attains the highest academic average in that degree program, will receive a President's Gold Medal and a cash award of \$500.

Disclaimer:

Nipissing University assumes liability for the payment of scholarships, bursaries and other awards only to the extent that expected gifts from donors or returns from particular investments of endowed funds are realized. The University reserves the right to make whatever changes circumstances may require, including the amendment of monetary value, selection criteria and the cancellation of particular awards. Information on the current status of any of these, or any additional awards submitted after the time of publication, may be obtained by contacting the Financial Aid Office or by visiting the Nipissing University website at: <http://www.nipissingu.ca>. Students who feel that their individual circumstances are not being fairly considered when determining eligibility for the aforementioned scholarships, bursaries and awards have the right to submit a written appeal explaining their circumstances to the Student Affairs Committee.

Faculty of Arts and Science

Administration

Dean: Dr. Andrew Dean,
BA, McGill University
MMath, University of Waterloo
PhD, Queen's University
andrewd@nipissingu.ca

Associate Dean: Professor Robert Bergquist
BA, MBA, University of Toronto
CMA
bobb@nipissingu.ca

**Manager of
Academic Services:** Angela Fera
BA, Algoma University College
BEd, Nipissing University
angelaf@nipissingu.ca

Academic Advisor: Melinda Kent
BA, BEd, Nipissing University
MEd, University of Ottawa
melindak@nipissingu.ca

Academic Advisor: Darlene Luoma
BA, Nipissing University
darlenel@nipissingu.ca

Department Chairs:

Department of Biology:
Dr. Peter Nosko: petern@nipissingu.ca

Department of Computer Science and Mathematics:
Dr. Ted Chase: tedc@nipissingu.ca

Department of English Studies: TBA

Department of Geography and Geology:
Dr. Eric Mattson: ericm@nipissingu.ca

Department of History:
Dr. Francoise Noel: frann@nipissingu.ca

Department of Humanities and Cultural Studies:
Terry Dokis: terryd@nipissingu.ca

Department of Psychology:
Dr. Deborah Flynn: deborahf@nipissingu.ca

Department of Sociology, Criminal Justice and Social Welfare:
Dr. David Hall: davidh@nipissingu.ca

Nursing:
Dr. Lynnette Leeseberg Stamler: lynnets@nipissingu.ca

School of Business and Economics:
Dr. John Baffoe: johnb@nipissingu.ca

Full-time Faculty

Baffoe, John BSc, University of Ghana
MSc, MA, University of Guelph
PhD, University of Manitoba
Assistant Professor of Economics
On Sabbatical January - June 2003

Bergquist, Robert BA, MBA, University of Toronto;
CMA
Assistant Professor of Business
Administration

Borody, Wayne BA, University of Guelph
MA, PhD, McMaster University
Assistant Professor of Philosophy

Boterbloem, Cornelis BA, MA, University of Amsterdam,
The Netherlands
PhD, McGill University
Assistant Professor of History

Brophey, Glenn BEng, MBA, University of Western
Ontario
Assistant Professor of Business
Administration

Brown, Gregory BA, MA, University of Guelph
PhD, University of Waterloo
Assistant Professor of Sociology

Brozowski, Roman BA, MA, University of Windsor
PhD, University of Western Ontario
Associate Professor of Geography

Chase, Ted BSc, MMath, University of Waterloo
PhD, University of Alberta
Associate Professor of Mathematics
and Physics

Chow, Peter BSc, University of Toronto
MA, Lakehead University
PhD, University of Toronto
Associate Professor of Psychology

Clendinning, Anne BA, University of Victoria
MA, University of Windsor
PhD, McMaster University
Assistant Professor of History

Denike, Margaret BA, Simon Fraser University
MA, University of British Columbia
PhD, York University
Assistant Professor of Gender Equality
and Social Justice

Dokis, Terry BA, University of Guelph
BEd, Nipissing University
Lecturer in Native Studies

Flynn, Deborah BA, St. Francis Xavier University
MA, PhD, Carleton University
Associate Professor of Psychology
On Sabbatical January - June 2003

Hackett, David BSc, University of Guelph
MSc, Laurentian University
PhD, University of Alberta
Assistant Professor of Environmental
Science

Hall, David	BA, MA, PhD, University of Western Ontario Assistant Professor of Sociology	Murphy, Dana	BA, MA, Southern Methodist University, Texas PhD, University of Southern California Assistant Professor of Psychology
High, Steven	BA, University of Ottawa MA, Lakehead University PhD, University of Ottawa Assistant Professor of History	Noël, Françoise	BA, University of Alberta MA, PhD, McGill University Associate Professor of History
Janzen, Lorraine	BA, Brock University MA, PhD, McMaster University Associate Professor of English Studies	Nosko, Peter	BSc, Wilfrid Laurier University MSc, Laurentian University PhD, University of Alberta Associate Professor of Biology and Environmental Science On Sabbatical January - June 2003
Jowett, Donna	BA, MA, Carleton University PhD, York University Assistant Professor of Philosophy	Olsen, Gerald	BA, MA, University of Windsor PhD, University of Western Ontario Associate Professor of History
Kelly, Paul	BA, Bolton College of Art and Design, England MA, Wayne State University, Michigan PhD, University of Oregon Assistant Professor of Fine Arts	Phillips, Gyllian	BA, University of British Columbia MA, PhD, University of Western Ontario Assistant Professor of English Studies
Knox, John	BA, University of Waterloo MSc, University of Oregon PhD, University of Bradford Assistant Professor of Business Administration	Pyle, Gregory	BSc, MSc, Laurentian University PhD, University of Saskatchewan Assistant Professor of Biology
Kovacs, John	BSc, Queen's University MA, University of Windsor PhD, University of Western Ontario Assistant Professor of Geography	Riome, Barrie	BA, MBA, University of British Columbia Assistant Professor of Business Administration
Kruk, Laurie	BA, York University MA, McMaster University PhD, University of Western Ontario Assistant Professor of English Studies	Robinson, Laura M.	BA, Acadia University MA, University of Manitoba PhD, Queen's University Assistant Professor of English Studies
Kundrats, Uldis	BA, York University MA, PhD, University of Waterloo Assistant Professor of Sociology	Rowbotham, David	BA, York University MA, PhD, University of Waterloo Assistant Professor of Geography On Sabbatical 2002-2003
Lawlor, Stan	BA, Memorial University MA, University of Alberta Associate Professor of Sociology	Ryan, Jo-Anne	BCom, Laurentian University CA Assistant Professor of Business Administration
LeClair, James	BA, MA, University of Windsor PhD, University of Victoria Assistant Professor of Geography	Saari, Matti	BA, Laurentian University MA, PhD, Carleton University Professor of Psychology
Lorenzkowski, Barbara	BA, Ruhr-University of Bochum, Germany Diploma in Journalism, University of Dortmund, Germany MA, PhD, University of Ottawa Assistant Professor of History	Sarlo, Christopher	BA, York University MA, PhD, Queen's University Associate Professor of Economics
Mattson, L. Eric	BES, MA, PhD, University of Waterloo Assistant Professor of Geography and Geology	Schreyer, Boguslaw	BSc, MSc, PhD, University of Warsaw Associate Professor of Computer Science and Mathematics
Muhlberger, Steven	BA, Michigan State University MA, PhD, University of Toronto Associate Professor of History On Sabbatical 2002-2003	Sparkes, Alan	BA, Memorial University MA, PhD, University of Missouri Assistant Professor of Sociology
		Stamler, Lynnette Leeseberg	BSN, St. Olaf College, Minnesota

	MEd, University of Manitoba PhD, University of Cincinnati Associate Professor of Nursing RN
Stange, Ken	BSc, Loyola University of Chicago Lecturer in Psychology
Thibeault, Linda	BCom, Laurentian University CA Lecturer in Business Administration
Topps, Keith	BA, MSc, Queen's University PhD, University of Kansas Associate Professor of Geography
Tuncali, Murat	BSc, Bogazici University, Turkey MSc, PhD, University of Saskatchewan Associate Professor of Mathematics
Walton, Diana	BA, MA, Queen's University Docteur ès Lettres, Université de Genève, Switzerland Associate Professor of Classical Studies
Weeks, Andrew	BA, Nipissing University MA, PhD, University of Toronto Assistant Professor of Psychology
Williams, Grant	BA, MA, McMaster University PhD, University of Western Ontario Assistant Professor of English Studies
Young, Wendy	BA, MSW, DSW, Wilfrid Laurier University Assistant Professor of Social Welfare
Zytaruk, George	BEd, BA, MA, University of Alberta PhD, University of Washington DLitt, Laurentian University Professor Emeritus of English Studies

Admission Procedures and Regulations

All students must be admitted to the University prior to registering.

First year, full-time enrolment is limited. Admission criteria are determined by the Senate Admissions, Petitions, and Promotions Committee. Please note that meeting minimum admission requirements does not guarantee an offer of admission. Applicants for admission who have questions regarding program choices, admission procedures, or current admission status should contact the Office of the Registrar.

The following information is applicable to study at the North Bay, ON campus of Nipissing University or at the Nipissing University Muskoka campus in Bracebridge, ON. Full-time applicants should note the degree program code information provided by the Ontario Universities' Application Centre (OUAC) to ensure that their application is to the desired degree program at the desired campus location.

Accessibility Admissions Policy

Nipissing University encourages applications from those in the categories of Aboriginal ancestry, visible minority and/or persons with disabilities. Eligible persons must be Canadian Citizens or Permanent Residents and applying to first year studies from high school or post-secondary education.

Applicants who do not meet the requirements for admission to the University may apply for admission consideration under the categories noted with the required documentation.

Applications will be reviewed on an individual basis. Admission offers may restrict the number of courses for which an applicant may register and may require a certain average be maintained. Once the admission requirements have been satisfied, the student may register as a full-time student.

Applicants seeking consideration under the categories are required to supply official documentation as outlined below:

Aboriginal ancestry - proof of aboriginal descent (i.e. copy of Native Status Card),

Visible minority - a letter outlining the personal situation and verification from prior school official,

Persons with Disabilities - a letter outlining personal situation, verification from prior school official and in some cases medical/psychological documentation.

How to Apply

Applicants currently attending an Ontario Secondary School as a full-time student Fall/Winter Session - Full-time University Study

OUAC 101 application forms and information about applying on-line are available through high school guidance offices. The completed application form and secondary school transcript (final and interim grades) are sent to Nipissing University through the Ontario Universities' Application Centre (OUAC) by the school. Applicants completing secondary school courses through distance education while enrolled in an Ontario secondary school are responsible for ensuring that Nipissing University receives official course registration and grades (both interim and final) for courses completed in this fashion.

Other Applicants - Canadian Citizens, Permanent Residents and students currently studying in Canada on a Student Authorization or other visa Fall/Winter Session - Full-time University Study

OUAC 105 application forms are available from the Ontario Universities' Application Centre (OUAC). Applicants are encouraged to take advantage of the on-line application service available through the OUAC website: compass.ouac.on.ca

International Applicants Fall/Winter Session - Full-time University Study

For applicants planning to apply to more than one Ontario University OUAC 105F application forms are available from the Ontario Universities' Application Centre (OUAC). Applicants are encouraged to take advantage of the on-line application service available through the OUAC website: compass.ouac.on.ca

International applicants applying only to Nipissing University should contact the Office of the Registrar to request the Nipissing International application form. This application form, the appropriate application fee and any required documents (official copies only will be accepted) must be received prior to the application being processed.

Part-time Study Applicants, Non-Degree Student Applications Fall, Winter, Spring, or Summer Sessions

Applicants seeking admission to a degree program on a part-time basis or as a non-degree student should contact the Office of the Registrar to obtain the required application form.

Please note that International Students are not eligible to apply for part-time university study and some Nipissing degree programs are not available for part-time study.

Re-admission of Prior Nipissing Students to Full-time or Part-time study

Nipissing students who have not registered in Nipissing courses for more than a twelve month period must apply for re-admission through the Office of the Registrar. Documentation of any educational studies pursued since their last registration will be required. Re-admitted students are required to meet current degree requirements. A meeting with an Academic Advisor is advisable to ensure degree program requirements are met.

Applicant Responsibility

It is the responsibility of each applicant to submit directly to the Office of the Registrar:

1. official transcripts from all institutions previously or presently attended, such as secondary schools, colleges and universities;
2. proof of name change, if academic documents show a name other than that under which application is made (i.e. marriage certificate, notarized statements of legal name change or other legal documents); and,
3. evidence of English language proficiency, if English is not the applicant's first language.

Ontario secondary school applicants should ensure that they understand how information is processed through their school to the Ontario Universities' Application Centre and the responsibility the applicant has in providing required information or documents directly to the OUAC and the University.

Applicants who withhold, misrepresent or fail to provide information related to previous academic records may be required to withdraw from the University.

Proof of Proficiency in English

All Student Visa applicants to the Faculty of Arts and Science from areas where the language of instruction is other than English, are required to supply proof of proficiency in English. International applicants studying in Canada on a student visa authorization who have attended full-time an Ontario secondary or Nipissing University approved school for at least three years are exempt.

Permanent Resident applicants whose first language is not English may also be required to provide proof of proficiency in English. Permanent Resident applicants whose first language is not English who have lived at least three years in Canada or an English-speaking country are exempt.

Acceptable proof of English proficiency is the Test of English as a Foreign Language (TOEFL) with a minimum score of 550 (paper-based) or 213 (computer test), the Michigan English Language Assessment Battery (MELAB) with a minimum overall score of 90%, or the Carleton Assessment of English Language (CAEL) with a minimum score of 60.

Applicants should note the Nipissing University TOEFL code is #3614.

Admission Requirements

Applicants from Canadian Secondary Schools and CEGEPs in Quebec

Individual degree programs have specific course requirements. Please refer to the Admissions Chart for specific course requirements for Nipissing degree programs.

The appropriate secondary school diploma and an overall average of 70% (calculated using the best grades including required courses) is the minimum admission average required for full-time admission consideration. Minimum admission averages for some degree programs will be higher than 70%.

Minimum Admission Requirements

Alberta	Five Gr12 courses numbered 30 or 31
British Columbia	Four Gr12 examinable courses (courses with % grades not letter grades)
Manitoba	Five academic Gr12 courses at the 40 level or the former 300 level
New Brunswick	Five academic Gr12 courses numbered 121 or 122 (courses numbered 120 may be considered)
Newfoundland	Six two-credit academic courses at level 3
Nova Scotia	Five Gr12 courses at the 541 level (441 level courses may be considered)
Nunavut/Northwest Territories	Five Gr12 courses numbered 30 or 31
Ontario	Six OACs (old curriculum) OR six Gr12U and/or Gr12M (U/C) courses (new curriculum)
Prince Edward Island	Five Gr12 courses numbered 611 or 621
Quebec*	One year of CEGEP completed with a minimum 12 academic subjects
Saskatchewan	Five Gr12 courses numbered 30 or 30A
Yukon	Four Gr12 examinable courses (courses with % grades not letter grades)

* Applicants from Quebec who have completed the two-year CEGEP program will be considered for admission with advanced standing. Applicants who have completed the three-year professional program in a CEGEP with a cumulative average of "B" or better will be considered for admission with advanced standing to a maximum of 30 credits.

Admissions Chart - prerequisite courses required for Nipissing University degree programs

Degree Program	Majors	Required OACs or Equivalent Courses from other provinces or countries	Required 12U courses
Bachelor of Arts (BA) General - 3 year	Classical Studies, English Studies, Environmental Geography, Fine Arts, Geography, Gender Equality and Social Justice, History, Liberal Arts, Native Studies, Philosophy, Psychology, Sociology, Social Welfare	English	English
	Administrative Studies Economics	English; two Mathematics	English; two Mathematics
	Computer Science	English, Calculus; and one other Mathematics	English; Advanced Functions and Introductory Calculus; and one other Mathematics
	Mathematics	English, Calculus; and one other Mathematics	English; Advanced Functions and Introductory Calculus; and one other Mathematics
Bachelor of Arts (BA) Honours - 4 year	Criminal Justice*, English Studies, Environmental Geography, Geography, Geography of International Development, Gender Equality and Social Justice**, History, Philosophy**, Psychology, Sociology (*supplemental application required) (**available only as combined degrees)	English	English
Bachelor of Business Administration (BBA) Honours - 4 year	Optional Streaming in Accounting, Economics, or Human Resources Management	English; and two Mathematics	English; and two Mathematics
Bachelor of Business Information Systems (BIS) Honours - 4 year	Business Information Systems	English; and two Mathematics	English; and two Mathematics
Bachelor of Science (BSc) General - 3 year	Biology	English; Biology; Chemistry; one of Calculus or Algebra	English; Biology; Chemistry; one of Advanced Functions and Introductory Calculus or Geometry and Discrete Mathematics
	Computer Science	English; Calculus; one other Mathematics; and one of Chemistry or Physics	English; Advanced Functions and Introductory Calculus; one other Mathematics; and one of Chemistry or Physics

Degree Program	Majors	Required OACs or Equivalent Courses from other provinces or countries	Required 12U courses
Bachelor of Science (BSc) General - 3 year (continued...)	Liberal Science - Minors in two of Biology, Computer Science, Environmental Science, Geology, or Mathematics	English; and two of Chemistry, Mathematics or Physics	English; and two of Chemistry, Mathematics or Physics
	Mathematics	English; Calculus; Algebra; and Geometry; and one of Chemistry or Physics	English; Advanced Functions and Introductory Calculus; Geometry and Discrete Mathematics; and one of Chemistry or Physics
	Psychology	English; Calculus; and one of Chemistry or Physics	English; Advanced Functions and Introductory Calculus; and one of Chemistry or Physics
Bachelor of Science (BSc) Honours - 4 year	Biology	English; Biology; Chemistry; and one Mathematics	English; Biology; Chemistry; Advanced Functions and Introductory Calculus or Geometry and Discrete Mathematics
	Computer Science	English; Calculus; one other Mathematics; and one of Chemistry or Physics	English; Advanced Functions and Introductory Calculus; one other Mathematics; and one of Chemistry or Physics
	Environmental Biology and Technology	English; Biology; Chemistry; and one of Mathematics or Physics	English; Biology; Chemistry; and one of Mathematics or Physics
	Environmental Science and Physical Geography	English; Chemistry; and one of Biology, Mathematics or Physics	English; Chemistry; and one of Biology, Mathematics or Physics
	Psychology	English; Calculus; and one Chemistry or Physics	English; Advanced Functions and Introductory Calculus; and one of Chemistry or Physics
Bachelor of Science in Nursing (BScN) Honours* - 4 year * supplemental application required	Nursing	English; Biology; and Chemistry (One Mathematics is recommended)	English; Biology; and Chemistry (One Mathematics is recommended)
A Nipissing Degree with Orientation to Teaching (OTT)* * supplemental application required	Elementary	One Mathematics and degree requirements	One Mathematics and degree requirements
	Secondary	Requirements for degree programs as noted above	Requirements for degree programs as noted above

Ontario Secondary School Requirements

The minimum requirement for admission consideration to Nipissing University is the completion of the Ontario Secondary School Diploma (OSSD), with a minimum of six Ontario Academic Credits (OACs) or a minimum of six Gr12U and/or Gr12M (U/C) courses (new curriculum). In addition, specific OAC or 12U courses are required depending upon the degree program applied to. Please refer to the Admissions Chart for specific course requirements for Nipissing degree programs.

An overall average of 70% on six OACs or six 12U and/or 12M courses including required OAC or 12U courses is the minimum admission average required for full-time admission consideration. Minimum admission averages for some degree programs will be higher than 70%.

Applicants to a Nipissing degree with Orientation to Teaching or to the BA (honours) in Criminal Justice need an admissions average of 75% (best six OACs or six 12U and/or 12M courses) for consideration. Applicants to the honours Bachelor of Science in Nursing degree need an admissions average of 70% (best six grades including required courses) for consideration. Supplemental application materials are required for admissions consideration and will be provided to Degree with OTT, Criminal Justice and Nursing applicants upon receipt of the application through the OUAC.

Applicants whose average is below the required minimum admission average for full-time study may be considered for admission to begin their university studies as a part-time student.

The length of time taken by an applicant to complete the OSSD will not be a determining factor in making admission decisions. During the transition to the new Ontario secondary school curriculum, Nipissing University will consider applicants from either curriculum equally. It is anticipated that many students will present a mixture of old and new curriculum courses during the transition. Applicants presenting a combination of OAC, 12U and 12M courses will be considered equally during the admission process provided that they meet all course pre-requisites.

International Applicants

Applications (either the OUAC form or the Nipissing International application), the appropriate application fee and the required official documents (transcripts and other documentation) must be received by the Office of the Registrar by June 1 for September admissions consideration. International applicants are not eligible for consideration under Nipissing University's Mature Student Admission Policy.

Applicants will be expected to show proof of English language proficiency and must have completed courses in specific academic disciplines depending upon the degree program applied to.

International applicants do not typically qualify for transfer credit for previously-completed post-secondary courses at non-Canadian universities.

Once an Admission Offer has been made, it is the applicant's responsibility to obtain the necessary documents required to study in Canada. International applicants are encouraged to contact the closest Canadian Embassy or consular office to

obtain information about applying for a student visa to study at a Canadian university.

International students are required to purchase mandatory health insurance through the University, for themselves and their dependents, prior to registering.

Financial aid is not normally available to International applicants.

Minimum Admission Requirements

All applicants are considered on an individual basis. The meeting of minimum requirements does not guarantee admission. Refer to the Admissions Chart for specific course requirements for each degree program.

Applicants from Great Britain, the Caribbean and other countries with General Certificate of Education (GCE) equivalents

Applicants must present the GCE with satisfactory standing in at least five subjects, two of which must be at the advanced level, or satisfactory standing in at least four subjects, three of which must be at the advanced level.

Applicants from Middle Eastern countries

Applicants must present the Senior Matriculation Certificate and/or completion of first year at a recognized university depending upon the country.

Applicants from the United States

Applicants graduating with a "B" average from Grade 12 at an accredited high school and presenting a SAT score of 1100 (minimum 550 verbal, minimum 550 Math) are normally eligible for admission consideration.

Other applicants from the USA must have completed a minimum of 30 semester credits (45 quarter credits) at an accredited post-secondary institution. Applicants who have completed more than 30 semester credits at an accredited post-secondary institution will be assessed on an individual basis for potential transfer credit or advanced standing.

Other International Applicants

Applicants possessing the requirements necessary for admission to a recognized university in their home country may be eligible for admissions consideration.

Applicants seeking admission on the basis of qualifications or certificates not mentioned above must submit official documents to the Office of the Registrar for evaluation. Certificates not written in English must be accompanied by notarized English translations from recognized sources.

International Baccalaureate

Applicants who have successfully completed the International Baccalaureate (IB) with at least six subjects, including three at the higher level, with a minimum final grade total of 24 will be considered for admission.

Advanced standing to a maximum of 18 credits may be granted for courses completed at the higher level. Applicants may need

to present courses in specific subject areas as outlined on the Admissions Chart.

International Student Immigration Requirements

Students entering Canada from other countries are required to comply with Canadian immigration requirements. Student Visas are issued abroad by Canadian diplomatic, consular or immigration officers. Where there is no Canadian representative, prospective students may apply to representatives of the British government. An original letter of acceptance from Nipissing University must be presented at that time. Applicants may be required to submit a copy of their immigration papers to the University to ensure permission to study in Canada has been granted.

International Student Fees

International students studying in Canada via a student authorization visa are required to pay international student tuition fees. Exceptions to international student fees are applicants for permanent residency who submit the appropriate letter; diplomatic or consular officers of other countries stationed in Canada, members of foreign military forces admitted to Canada under the Visiting Forces Act and their dependents; and, visitors, or their dependents, who are in Canada on an employment authorization. Other categories may also be exempt subject to the approval of the Office of the Registrar.

Applicants Possessing Post-Secondary Education

Admission with Advanced Standing or Transfer Credit

Applicants eligible for advanced standing or transfer credit must submit recently-dated transcripts of their academic record directly to the Office of the Registrar. An academic calendar from their former institution(s) containing descriptions of the completed courses may be required. Those applicants who are eligible for advanced standing or transfer credits will be charged a fee in order to have credits determined. This fee will be requested once an Admission Offer is made.

Applicants Transferring from Other Universities

Applicants who are attending or have attended another university may be considered for admission to Nipissing University with transfer credit for courses already completed.

Nipissing University, in accordance with the Council of Ontario Universities' policy, agrees that any course offered for credit by an Ontario university shall be accepted for credit by another Ontario university when there is virtual equivalency in course content. If a specific equivalence to a course is not available at Nipissing, the University will attempt to award an unspecified, non-equivalent course. Transfer credit will not normally be granted for practical or clinical courses taken in specific areas such as Engineering, Nursing, Physical and Health Education, Dance, etc. This policy also applies to those applicants who have attended other recognized Canadian universities.

Transfer credit will normally be awarded for a course provided a grade of "C" or higher was achieved. A course with a grade of "D" may be considered for credit only when there are an equal number of course credits with "B" grades or higher. Once it is determined that applicants are eligible for transfer credits, they

are required to submit the appropriate fee in order to have their transfer credits assessed. The application of transfer credits to a degree program will vary depending on the degree program and major to which the applicant is admitted. Nipissing University residency requirements will apply.

Applicants seeking advanced standing when admitted to the Bachelor of Science in Nursing program may only receive credit for required courses that have been successfully completed within the last ten (10) years.

Admission of Students Who Were Required to Withdraw from a University

Applicants who have been required to withdraw from a university may petition the Senate Committee on Admissions, Petitions and Promotions for admission to Nipissing University after "sitting out" for at least one full year.

Applicants from Ontario Colleges of Applied Arts and Technology (CAAT)

a) Three-Year Diploma Graduates

Applicants who have achieved a cumulative average of "B" or better in a three-year program will be considered for admission to Nipissing with advanced standing to a maximum of 30 credits.

b) Two-Year Diploma Graduates or Two Years of a Three-Year Program

Applicants who have completed a two-year program or two years of a three-year program and who have achieved a cumulative average of "B" or better will be considered for admission with advanced standing to a maximum of 18 credits.

c) One Year of College

Applicants who have completed the first full year (two semesters) of a CAAT diploma program with a cumulative average of "B" or better will be considered for admission on probation. If admitted, the student must pass 24 of the first 30 credits attempted and maintain a 60% average on passed courses in order to clear the probationary status.

d) Special College of Applied Arts and Technology (CAAT) Advanced Standing Policies

Early Childhood Education

Social Service Worker

Developmental Services Worker

Applicants who have successfully completed Early Childhood Education, Social Service Worker or Developmental Services Worker diploma programs at an Ontario CAAT with a cumulative average of "B" or better will be considered for admission to Bachelor of Arts programs with advanced standing to a maximum of 30 credits.

Correctional Worker

Police Foundations

Applicants who have successfully completed the Correctional Worker or Police Foundations diploma programs at an Ontario CAAT with a cumulative average of "B+" (3.5 GPA) or better will be considered for admission to the Bachelor of Arts in Criminal Justice program with advanced standing to a maximum of 42 credits.

Business Administration

Applicants who have successfully completed a three-year Business Administration diploma program at an Ontario CAAT with a cumulative average of "B+" (3.5 GPA) or better will be considered for admission to the Honours Bachelor of Business Administration degree program with advanced standing to a maximum of 60 credits.

e) Special Canadore College of Applied Arts and Technology Advanced Standing Policies

Environmental Protection Technician

Applicants who are graduates of the Environmental Protection Technician diploma program at Canadore College with a cumulative 3.25 GPA or better will be considered for admission to Biology, Liberal Science or Environmental Biology and Technology programs with advanced standing to a maximum of 46.5 credits.

Environmental Protection Technology

Applicants who are graduates of the Environmental Protection Technology diploma program at Canadore College with a cumulative 3.25 GPA or better will be considered for admission to Biology or Liberal Science programs with advanced standing to a maximum of 48 credits.

Applicants who are graduates of the Environmental Protection Technology diploma program at Canadore College with a cumulative 3.25 GPA or better will be considered for admission to the Environmental Biology and Technology degree program with advanced standing to a maximum of 66 credits.

Mature Student Applicants

Applicants who do not qualify for admission consideration under any of the above categories, may be eligible for admission to Nipissing University as a Mature Student. Mature Student applicants will be considered for part-time admission (maximum 18 credits) to most BA degree programs provided all of the following conditions are met:

1. applicants are 21 years of age or older at the start of the academic session;
2. have been away from formal education (secondary school, college, etc.) for at least the previous two years; and
3. lack the specified entrance requirements for degree programs.

Mature Student applicants are still required to provide transcripts of marks for studies that have been previously completed or undertaken. Only Canadian Citizens and Permanent Residents are eligible for admission as Mature Students.

Mature Student applicants who qualify for admission to the University will be admitted on probation to a maximum of 18 credits. Transfer to full-time status can only occur once they have completed 18 credits with an overall average of 60% and have achieved a Writing Competency Test score of "1" or "2".

Mature Students wanting to transfer to programs or majors with specified pre-requisite courses (i.e. Business Administration, Nursing) must also acquire the stated prerequisite courses in order to be considered for program changes.

Other Applicants

Admission to Honours Upgrading for Nipissing University Graduates

Nipissing University graduates with General degrees may be re-admitted to Nipissing in order to complete their Honours degrees in the same subject area of their previous degrees. To be re-admitted into the Honours program, applicants must have achieved a minimum 60% average in the first-year required concentration course, and a minimum 68% overall average. Students will be required to meet the current requirements of the Honours program including the Writing Competency Test. Further information is available from the Faculty of Arts and Science Office.

Admission to a Second Degree Program

Applicants possessing a recognized undergraduate degree may apply to a second undergraduate degree program in another area of study. Students may be admitted to a second degree program if they hold a recognized university degree with a minimum overall average of "C" or better, and have not failed more than 30 credits in the first degree program.

Exceptions to Normal Admission Requirements – All Undergraduate Degree Programs

The Senate Admissions, Petitions, and Promotions Committee may modify admission requirements for applicants who, in its opinion, deserve special consideration. In all cases, the Committee reserves the right to impose special conditions on such candidates, in the interest of students and for the protection of the University's academic standards. Candidates requesting modification of admission requirements must present their cases before the Committee, in writing, and produce documentary evidence of their eligibility for special consideration. The Committee's decision is final.

Admission to Non-Degree Studies

Auditors

To audit a university course, applicants must be admissible to a degree program. Auditors must have completed prerequisite courses or equivalent. Courses that are more practical in nature such as computer science, nursing, languages, music and fine arts are not open to auditors. Application forms are available from the Office of the Registrar.

Letter of Permission Applicants

Students enrolled at other universities may apply and be admitted to Nipissing for purposes of transfer of credit to their home universities. Documentation required for admission is a Letter of Permission issued from the home university specifying the course(s) to be taken. Letter of Permission Applicants must apply directly to Nipissing.

It is the responsibility of the visiting student to order an official Nipissing transcript to be sent to the home university after the course is completed.

Special Student Admission

The holders of recognized university degrees may be admitted as Special Students (i.e. non-degree) with the intention of taking courses for interest, upgrading, or for the purpose of meeting the requirements for a professional designation etc. Contact the Office of the Registrar for information.

For Those Considering a Teaching Career

Nipissing's Bachelor of Education (BEd) program is a consecutive, one-year professional degree program available to university graduates seeking their Certificate of Qualification from the Ontario College of Teachers. Nipissing University has a long history in teacher training. The North Bay Normal School established in 1909 has evolved into Nipissing's Faculty of Education. The Faculty has a reputation for providing a rigorous teacher education program which is demanding of the student teacher and requires a high degree of commitment. Graduates of the BEd degree program are in demand as teachers throughout Ontario, the rest of Canada and internationally.

Students who plan to apply to Nipissing's Faculty of Education to obtain a Certificate of Qualification and a Bachelor of Education degree should make careful selection of courses in their undergraduate degree to better prepare themselves for the program and to ensure that teaching subject requirements (if required) are met.

Teachers in the elementary schools are generally required to teach all subjects in the curriculum. It is most prudent for students who plan to teach at this level to take a wide range of undergraduate courses. Particularly important, but not required for admission to the BEd degree program - primary/junior division, are courses in English, Mathematics, Science, History, Geography, Art, and Music. In addition to these traditional disciplines, courses in Educational Psychology and Introductory Sociology are important foundations for a teacher education program.

Those interested in the additional qualification course, French as a Second Language Part I, should take several courses in French as well as providing for themselves a wide variety of experiences in the language in order to prepare for teaching this specialty.

Students interested in the Intermediate Division (Grades 7-10) must complete at least eighteen undergraduate credits in a particular subject area to meet the prerequisites for the teaching subject. The teaching subject disciplines offered at Nipissing are outlined in the BEd junior/intermediate division section of the Academic Calendar.

Students interested in teaching in the Senior Division (Grades 11-12) must be qualified to teach in 2 secondary school subject areas. A minimum of thirty undergraduate credits must be completed in the first teaching subject and at least eighteen undergraduate credits are required in the second teaching subject

area. Refer to the BEd intermediate/senior division section of the Academic Calendar for a listing of teaching subject disciplines offered at Nipissing.

A Nipissing Degree with Orientation to Teaching (OTT)

Nipissing undergraduate students interested in pursuing our Bachelor of Education have two options.

The first option is to apply to the BEd degree program upon completion of their undergraduate degree. Any student with an accredited undergraduate degree is eligible to apply for a place in the Nipissing BEd degree program. Refer to the Faculty of Education section of the Academic Calendar for admissions information.

The second option is to qualify for guaranteed admission to Nipissing's BEd degree program as a Nipissing degree with OTT graduate.

Orientation to Teaching (OTT) is not a degree program in itself. It is simply a route into Nipissing's BEd program. The OTT process includes a set of courses and a non-credit practical experience, that when taken as part of an undergraduate degree, provide preparation for the Bachelor of Education program. OTT allows Nipissing University students the opportunity to assess their suitability for the Faculty of Education before their undergraduate degrees are complete.

In OTT, specific undergraduate courses are identified which are considered useful in preparing students for careers in teaching. These courses will be included in a student's undergraduate degree program.

One of these courses is EDUC 0106E Introduction to Teaching. Introduction to Teaching is a non-credit course consisting of a thirty hour practicum in a school setting and six seminars on issues relevant to an understanding of the school system and the teachers' role, plus assigned readings and critiques.

Students should meet with an Academic Advisor in the Faculty of Arts and Science Office prior to registering for courses each year to ensure that degree requirements including the specific set of OTT courses are being met. In addition, students who will need to satisfy teaching subject requirements for admission to Nipissing's BEd degree program should make sure that the appropriate number of undergraduate credits required to meet teaching subject requirements are completed.

Students who are admitted to OTT and who complete their Nipissing undergraduate degree programs including the OTT specific courses with a minimum overall average of 70% on all university courses, are guaranteed admission to the Bachelor of Education degree program. This offer is for the academic year immediately following graduation.

Orientation to Teaching has two streams to which students may apply: Elementary and Secondary. Applicants will indicate a choice of elementary stream or secondary stream on the appropriate supplemental application form.

A Nipissing Degree with Orientation to Teaching – Elementary Stream

Upon completing a Nipissing degree with OTT - Elementary, students may apply to either the Primary/Junior (Grades K-6) or Junior/Intermediate (Grades 4-10) Divisions of the BEd degree program. Candidates must ensure that they meet all minimum requirements for BEd admission including teaching subjects as applicable. Students must comply with the requirements for their degree program and include the following OTT set of courses:

- MATH 1070E Fundamentals of Arithmetic for Teachers, or six credits in Mathematics courses having OAC, Gr12U or equivalent prerequisites
- SOCI 2095E Sociology of Education
- EDUC 0106E Introduction to Teaching
- PSYC 2020E Developmental Psychology of Educators **or both of**
- PSYC 2006E Childhood Development **and**
- PSYC 2007E Adult Development

A Nipissing Degree with Orientation to Teaching – Secondary Stream

Upon completing a Nipissing degree with OTT - Secondary, students may apply to Intermediate/Senior (Grades 7-12) Division of the BEd degree program. Candidates must ensure that they meet all minimum requirements for BEd admission including two teaching subjects as outlined in BEd admission requirements. Students must comply with the requirements for their degree programs and include the following OTT set of courses:

- SOCI 2095E Sociology of Education
- EDUC 0106E Introduction to Teaching
- PSYC 2020E Developmental Psychology of Educators **or both of**
- PSYC 2006E Childhood Development **and**
- PSYC 2007E Adult Development

Admission – Direct Entry from Secondary School

Ontario secondary school applicants will apply directly to a Nipissing degree program with Orientation to Teaching on the Ontario Universities' Application Centre form. Applicants need to note the appropriate Degree with OTT code on their OUAC application form in order to receive the required supplemental application package required for this unique Nipissing opportunity.

Secondary school applicants from other provinces will need to request OTT supplemental application packages following the submission of their applications to the OUAC.

A minimum 75% overall average on the best six OACs (old curriculum) or six Gr12U and/or Gr12M (U/C) courses (new curriculum) or applicable province equivalent (see minimum Admission Requirements in this section of the Academic Calendar) and supplemental application materials are required for admissions consideration. Applicants to the Elementary Stream must have at least one OAC or Gr12U Mathematics (or other province equivalent) course as a prerequisite in addition to courses required for the degree program. Applicants to the Sec-

ondary Stream must meet the course requirements for the degree program applied to.

OTT supplemental application packages will be sent to applicants either upon receipt of the application via the OUAC (Ontario secondary school applicants) or upon request (secondary school applicants from other provinces). Applicants will provide a statement of personal educational and career goals, complete an experience (volunteer and paid) chart and have personal and professional reference forms submitted. Completed OTT supplemental application materials must be submitted by the specified deadline date. Applicants presenting an average of 85% or higher (best six OACs or best six Gr12U and/or M (U/C) courses or applicable provincial equivalent) are assured acceptance to a Nipissing degree with OTT if they meet degree program course requirements and their submitted supplemental application materials include positive references and well-written personal statements.

Applicants meeting degree program minimum admission averages but not meeting the minimum 75% Degree with OTT average will receive an Admission Offer to the degree program applied to but will not be considered for admission to a Nipissing degree with OTT. Secondary school applicants who do not receive admission to a Nipissing degree with OTT directly from secondary school are eligible to apply for Upper-Year Admission to a Nipissing degree with OTT at the end of their first and/or second year of study at Nipissing as outlined below.

Admission – Upper-Year

Admissions consideration for a Nipissing Degree with OTT (Upper-Year Admission) requires the completion of a minimum of 30 credits of undergraduate study at Nipissing University, and no more than 72 university credits (including transfer/advanced standing credits). Application forms are available from the Office of the Registrar and must be submitted by the specified deadline. A minimum 70% overall average on the courses already completed and a Writing Competency Test score of "1" is required in order to be considered.

Students who have already completed university degrees are not eligible for admissions consideration to a Nipissing degree with OTT.

In addition to the general admission requirements Upper-Year Applicants to the OTT - Elementary Stream must have successfully completed six credits in Mathematics as follows:

- MATH 1070E Fundamentals of Arithmetic for Teachers,
- or**
- six credits in any other Mathematics courses having OAC or Gr12U or equivalent prerequisites.

Acceptance to Upper-Year OTT is determined by a selection panel. Additional criteria include personal and professional references, a statement of personal goals and previous experience (paid and volunteer). Applicants will indicate their choice of Elementary Stream or Secondary Stream on their Upper-Year OTT application. Upper-Year OTT applications are normally available from the Office of the Registrar in February.

The requirements for the completion of a Nipissing Degree with OTT-Elementary Stream or OTT-Secondary Stream are the same as outlined above.

Admission – Early Childhood Education (ECE) Diploma Graduates

OTT for ECE Graduates specifies undergraduate courses that are considered useful in preparation for a career in teaching. Candidates who are admitted to Orientation to Teaching for ECE graduates and who complete their Nipissing degree, including the set of OTT courses, with a minimum 70% overall average will be guaranteed admission to the Bachelor of Education degree program in the Primary/Junior Division. This offer is for the academic year immediately following their graduation with a bachelor's degree.

Orientation to Teaching for ECE graduates is not applicable to the Junior/Intermediate and Intermediate/Senior Divisions of the Bachelor of Education program.

Interested students should contact the Office of the Registrar to ensure that they are eligible to apply to the OTT for ECE process. Candidates interested in pursuing OTT must first be admitted to a Nipissing University degree program.

Graduates of a two-year ECE diploma program who have a minimum cumulative average of "B" or better will be eligible for admission to the Bachelor of Arts degree or possibly other programs with advanced standing up to a maximum of 30 credits.

Admission to the Bachelor of Arts or other Nipissing degree programs does not guarantee acceptance to OTT for ECE Graduates.

How to Apply to OTT for ECE Graduates

Candidates may apply to OTT for ECE Graduates once they meet **all** the conditions outlined below:

1. Have been admitted to a Nipissing degree program;
2. Have completed a minimum of 30 credits of university study;
3. Have no more than a total of 72 university credits (including advanced standing and transfer credits);
4. Have a minimum overall average of 70% on all university courses completed, and
5. have achieved a Writing Competency Test (WCT) score of "1"

Application forms are available from the Office of the Registrar. It is the student's responsibility to determine that they meet the eligibility requirements for ECE-OTT and to submit the application form by the applicable deadline.

Students must fulfil the requirements of the degree program, and include the following in their undergraduate studies:

Six credits in English

SOCI 2095E Sociology of Education

Six credits in Science (other than Mathematics)

and

Six credits from the following:

MATH 1911E Finite Mathematics and

MATH 1912E Elementary Calculus or

MATH 1070E Fundamentals of Arithmetic for Teachers*

*Students with an OAC Mathematics credit may only choose MATH 1070E.

Registration Procedures and Regulations

It is the student's responsibility to ensure that course registrations and course changes meet degree requirements.

It is strongly recommended that students complete 30 credits at the first year level before proceeding to second and third year level courses.

No further registrations will be accepted once the limit set for the class size has been reached. If you wish to place your name on a waiting list, please see Policy on Course Waiting Lists.

The registration periods for Spring Session, Summer Session and Fall/Winter Session, six-credit and three-credit courses are printed in the Academic Year section of the Academic Calendar.

Students registering after the designated registration periods, but before the course registration deadlines, will be assessed a late registration fee.

An academic timetable providing the scheduled time and location of course offerings will be available from the Office of the Registrar.

New Students

Registration packages will be mailed to new students. New students are strongly encouraged to register in person. New Student Orientation (NSO) including Academic Advising and Course Registration sessions will be held during the summer prior to the start of fall classes. All new students, and especially those with transfer or advanced standing credit, are encouraged to seek academic advice prior to registering for courses.

Current Students

All students who were registered at Nipissing in the Fall/Winter Session will receive advance registration instructions. Registration confirmation will be mailed in May to the permanent address for those students who advance register. It is the students' responsibility to ensure they complete the registration form and submit it with payment prior to the deadline specified.

Re-admitted Students

Previous Nipissing students who have not registered in courses for more than a 12 month period are required to apply for re-admission before they will be permitted to register. Registration information will be sent once they have been re-admitted to the University.

Previous Bachelor of Science in Nursing students who apply for re-admission to the same program may be required to repeat previously passed Nipissing courses at the discretion of the Director of the Nursing program. In this professional program, time limits are important to ensure that students are connected with current knowledge.

Academic Changes and Withdrawals

Program Changes

Students wishing to change their degree program or their major must apply to do so through the Office of the Registrar. Specific admission requirements must be met.

Course Changes

It is the student's responsibility to initiate course changes.

Discontinuing attendance at classes, notifying an instructor or stopping payment on a cheque presented at registration does not constitute official withdrawal from a course.

The deadline for adding courses, substituting one course for another and for late registration in courses is indicated in Column A of the table below.

Students wishing to withdraw from a course, add a course, or substitute one course for another, may do so through the on-campus CRASH system or in a letter clearly outlining the changes. Refer to the table below for deadlines.

A course from which withdrawal is made before the date specified in Column A will not be recorded on the student's academic record.

A course from which withdrawal is made after this date but before the date specified in Column B will be recorded on the student's academic record as a "W" (Withdrawal).

If a student withdraws after the date specified in Column B, a grade of "F" (Fail) will automatically be assigned.

Unless this procedure is followed within the specified deadlines no credit of tuition fees will be made and the student's academic record will indicate a failure in the course rather than a withdrawal. Refer to the tuition credit schedule for deadlines.

Session	Column A Last date for registration and course changes	Column B Last date to withdraw without academic penalty
----------------	--	---

Fall/Winter Session 2002-2003

6-credit courses	Sept. 20	Jan. 31
1st term 3-credit courses	Sept. 20	Nov. 1
2nd term 3-credit courses	Jan. 17	Feb 26

Spring Session 2003

6-credit courses	May 7	June 9
1st term 3-credit courses	May 7	May 12
2nd term 3-credit courses	June 6	June 12

Summer Session 2003

6-credit courses	July 4	July 22
1st term 3-credit courses	July 4	July 10
2nd term 3-credit courses	July 30	Aug. 6

Academic Regulations/ Information

The following academic regulations and information pertains to students in all programs in the Faculty of Arts and Science. Students must refer to the sections on Degree Requirements and Program Requirements for the specific requirements of their programs.

Academic Services (Advising)

Students in the Faculty of Arts and Science who wish to plan their programs or who need advice on any academic matter should consult the Manager of Academic Services or an Academic Advisor.

Students in all programs in the Faculty of Arts and Science are also encouraged to consult with faculty members concerning course selections. At certain times of the year, (in particular, during advance registration), peer advisors are available to assist students with the course planning and course selection process.

The Dean is ultimately responsible for approving course and program registrations as well as any subsequent modifications.

Academic Dishonesty

The University takes a very serious view of such offences against academic honesty as plagiarism, cheating, and impersonation. Penalties for dealing with such offences will be strictly enforced. The complete policy on Academic Dishonesty is in the Policies section of this Calendar (see Academic Dishonesty in the Index).

Attendance

Punctual and regular attendance is essential for the successful completion of a course. When absenteeism exceeds 20%, the student may be excluded from writing the final examination.

Auditor

An auditor is a student who is registered in a course(s), and who may participate in class discussion, but who may not hand in assignments or write examinations. An auditor does not receive credit for the course.

Students who enrol as auditors must indicate this upon registration. The last day to change status from credit to audit or audit to credit is the last day of course changes.

Students must have completed prerequisites or their equivalent in order to register as an auditor in any given course. Students may audit no more than the normal number of courses available to students in any one given session. Where such a course would constitute an overload, permission of the Manager of Academic Services is required.

Not all courses can be audited. Courses with more practical and developmental components (e.g. language courses, laboratory courses, activity courses) cannot be audited. The Dean has the responsibility to designate courses which may or may not be audited.

Certificate of Bilingualism

Students of Nipissing University are eligible for a Certificate of Bilingualism if they demonstrate superior ability in French and in English. Candidates must successfully complete: thirty credits at Nipissing; six credits upper level taught in English (minimum "B" required); six credits upper level taught in French (minimum "B" required); and the Certificate of Bilingualism written and oral exams. The exams are offered annually. Applications are available in the Office of the Faculty of Arts and Science and are due along with the required fee, early in the fall term. Students will receive the Certificate of Bilingualism along with their degree upon graduation.

Changes to Program or Courses

Please refer to the Registration Procedures and Regulations section of this Calendar (see Registration Procedures in the Index).

Class Hours

- Fall/Winter Session classes are normally given in some combination of one, one and one-half, two or three-hour periods per week;
- The number of hours of lecture per course and associated tutorials or laboratories, if any, is usually shown under the course description in the University Calendar;
- Spring Session classes are normally given in three three-hour periods per week including weekend classes;
- Summer Session classes are normally given in four three-hour periods per week;
- Class hours will total at least 72 hours per six-credit course and 36 hours per three-credit course.

Correspondence Courses

From time to time, Nipissing University offers courses by correspondence. Please contact the Office of the Faculty of Arts and Science for information about correspondence courses.

Course Identification

Nipissing University courses are numbered as follows:
Four letters to indicate the discipline ;
Four numbers to designate the course;
One letter to indicate the language of instruction;
One letter to indicate the particular section of a given course.

Example

PSYC	1106	E	A
Discipline	Course	Language	Section
(Psychology)	Number	of Instruction	

The first and last digits in the course number are particularly significant.

The first digit indicates the year level at which the course is normally taken:

1000–1999 courses are normally taken at first year level.

2000–3999 courses are normally taken at second or third year level.

4000–4999 courses are normally taken at fourth year level.

9000 courses are those for which non-equivalent advanced standing has been granted.

The last digit indicates whether the course is a six-credit or a three-credit course, and whether the course may count towards a major.

last digit 5 = a six-credit course which may count towards a major;

last digit 0 = a six-credit course which may not count towards a major;

last digit 6 or 7 = a three-credit course which may count towards a major;

last digit 1 or 2 = a three-credit course which may not count towards a major;

last digit 8 or 9 = a one and one-half credit course.

Subdivisions within the discipline may be indicated by the second and third digits according to the wishes of the academic unit concerned.

One letter indicates the language of instruction; “E” for English, “F” for French, or “N” for a language other than English or French. Courses described in English are taught in English and courses described in French are taught in French.

Course Loads/Overloads

Full-time Students

- a) Full-time students will normally be allowed to register in a maximum of 30 credits in the Fall/Winter Session;
- b) Full-time students are limited to 54 credits in any three consecutive sessions;
- c) Full-time students with excellent academic records (“B+” or better) may, with the permission of the Manager of Academic Services, take a maximum three-credit overload during each term of the Fall/Winter Session, provided they had no failing grades on a minimum course load of 30 credits in the previous Fall/Winter Session, no failing grades in the previous Spring/Summer Session and have satisfied the Writing Competency Requirement;
- d) Under no circumstances will a student be allowed more than a three-credit per term overload;
- e) First-year students may not take an overload;
- f) Course loads are calculated on all courses in which a student is registered (i.e. the total of all courses at Nipissing University and by Letter of Permission from other universities).

Part-time Students

- a) Students admitted on a part-time basis will normally be allowed to register in a maximum of 12 credits in the Fall/Winter Session;
- b) Part-time students are limited to 36 credits in any three consecutive sessions;

- c) Upper year part-time students with excellent academic records (“B+” or better) may, with the permission of the Manager of Academic Services, take a maximum three-credit overload during each term of the Fall/Winter Session, provided they have no failing grades in the previous 30 credits and have satisfied the Writing Competency Requirement;
- d) Course loads are calculated on all courses in which a student is registered (i.e. the total of all courses at Nipissing University and by Letter of Permission from other universities);
- e) First-year students may not take an overload.

Spring and Summer Sessions

Students who register for Spring and Summer courses, on campus and correspondence, will be limited to a maximum of 12 credits per session. (Note: Correspondence course credits will be counted toward the maximum of 12 credits in each of Spring and Summer Session.)

Students on probation or on a restricted course load may only register in a maximum of six credits in each of Spring and Summer session.

Final Examinations

Except where otherwise approved by Senate, final examinations are mandatory in 1000 and 2000 level courses. (Final examinations are not mandatory in COSC 1366E, creative writing and studio art courses.) Instructors of 3000 and 4000 level courses may assign final examinations as part of their course assessment strategies. Final examinations are scheduled by the Office of the Registrar. Final examinations for classes held at night will usually be scheduled during the day. In courses with final examinations, they must constitute a minimum of 30% and a maximum of 70% of the final grade. Punctual and regular attendance is essential for the successful completion of a course. When absenteeism exceeds 20%, the student may be excluded from writing the final examination.

Copies of previous final examinations for all courses offered by Nipissing University will be made available to students except where otherwise approved by Senate. Only the last two examinations in a course will be available on Intranet.

Final examinations in the Faculty of Arts and Science for three-credit courses (with the exception of Administrative Studies, Business Administration, Nursing and Computer Science courses in the Bachelor of Business Information Systems program) will be two hours, and examinations for six-credit courses, three hours.

Final examinations for Administrative Studies, Business Administration and Nursing three-credit courses can be two or three hours in length, and six-credit courses can be three or four hours in length, at the discretion of the instructor. Final examinations for the Computer Science courses in the Bachelor of Business Information Systems program will be three hours.

Review of Final Examinations

Students may review their examination papers in the Office of the Registrar. Upon request by a student, and at a time mutually agreed upon by the instructor and student, the instructor shall

review the examination paper in the presence of the student. The closing date to request reviews is one month after the release of marks.

Special Final Examinations

Students who are unable to write final examinations because of illness or other circumstances beyond their control, or whose performance on the examination has been impaired by such circumstances, may, on application, be granted permission to write a special final examination. Such application must:

1. be made in writing to the Dean of Arts and Science not later than one week after the date of the examination; and
2. be fully supported in the cases of illness by a medical certificate or by appropriate documents in other cases.

The petition for such special examinations must be filed within a week of the day of the regular examination.

The Dean's decision on special final examinations is final and may not be appealed to the Student Academic Standing Appeals and Petitions Committee.

There will normally be a fee for a special examination.

Grades and the Basis for Assessment

Letter Grades and Grading Standards

- “A” – (80–100%)
- “B” – (70–79%)
- “C” – (60–69%)
- “D” – (50–59%)
- “F” – (0–49%)

“A” indicates *Exceptional Performance*: comprehensive in-depth knowledge of the principles and materials treated in the course, fluency in communicating that knowledge and independence in applying material and principles.

“B” indicates *Good Performance*: thorough understanding of the breadth of materials and principles treated in the course and ability to apply and communicate that understanding effectively.

“C” indicates *Satisfactory Performance*: basic understanding of the breadth of principles and materials treated in the course and an ability to apply and communicate that understanding competently.

“D” indicates *Minimally Competent Performance*: adequate understanding of most principles and materials treated in the course, but significant weakness in some areas and in the ability to apply and communicate that understanding.

“F” indicates *Failure*: inadequate or fragmentary knowledge of the principles and materials treated in the course or failure to complete the work required in the course.

“I” indicates *Incomplete*.

“W” indicates *Withdrawal* with permission.

Aegrotat Standing

Aegrotat standing (credit granted with incomplete course work) will be considered only in exceptional circumstances (usually only in cases of very serious illness) and if term work has been of high quality.

Determination of Final Grades

- a) A student's grade in each course will be based upon the year's work and the final examination (if required);
- b) The final examination will not make up more than 70% or less than 30% of the final grade in each course;
- c) The instructor will discuss with the class the basis for assessment specifying the relative weight of each examination, test, in-class activity and written assignment;
- d) The instructor will also specify which assignments must be completed in order to receive a grade in the course; penalties for late assignments should be clearly stated in each course;
- e) The method of determining final grades is to be discussed with students within the time frame Senate has approved for late course registration;
- f) The instructor must inform students of their standing prior to the date for honourable withdrawal from the course. If no written term work has been evaluated by that date, the information shall be given in the form of a written statement of the student's standing;
- g) The instructor is required to return to students all written work, other than final examinations, which has been submitted for evaluation purposes. Students may discuss with their instructor the work presented, the comments made, and the grade assigned;
- h) Final evaluation submissions are not returned to students but are kept on file by the Office of the Registrar for six months after the publication of Grade Reports;
- i) For each course, a final marks sheet is completed, signed by the Instructor and submitted to the Dean for approval within five calendar days of the exam. The Dean's signature indicates that the marks submission is consistent with existing practices and policies of the Faculty. Revisions to any previously assigned grade are submitted in writing for the approval of the Dean, together with the reasons for such revisions. Grades are not official until they have been approved by the Dean and released by the Office of the Registrar;
- j) The final marks issued by Nipissing University are the only ones accepted as binding.

Incomplete Grades

In exceptional circumstances, a student may request consideration for an Incomplete grade (I). Such request must be submitted in writing, through the Instructor to the Dean of Arts and Science, together with the reasons for the request.

Any student assigned an Incomplete grade must complete all course requirements within one month after the end of the examination period. If after that period the course is not completed or an extension has not been granted by the Dean, a grade "F" will be recorded on the student's academic record.

In order to be considered for an extension of the completion date beyond the normal one month period, a student must submit a written request to the Dean, through the Instructor, explaining the reasons for such an extension. Under no circumstances may a completion date exceed six months from the end of the examination period.

For all six-credit courses and three-credit courses, the final dates for submission of incomplete term work is the scheduled date of the final examination. Term work not submitted by that date will receive a grade of zero; if the term work has been approved by Senate as required for the completion of the course, term work not completed by the date of the final examination will result in a grade of "F" in the course. Exceptions to these deadlines will be approved only by the Dean of Arts and Science (in consultation with the course instructor) for good cause. In no way does this regulation supersede any deadlines for term work set by the instructor within the time span of the course.

Release of Final Grades

Final Grades will be withheld from any student who has an outstanding account at the University or Library and such students will forfeit their right to appeal grades.

Grade Appeals

Please refer to the Policies section of the Calendar (see Appeals and Petitions in the Index).

Individualized Study Courses

Any student wishing to take an individualized study course during the following Spring/Summer or Fall/Winter Session must apply in writing to the discipline concerned no later than February 15. This application shall include a brief outline of the proposed topic or project, the proposed faculty supervisor and the signature of one faculty member in the discipline (normally the intended supervisor) who has been consulted and who supports the request. For complete details, please refer to the Policies section of the Calendar (see Individualized Study in the Index).

The following is a list of the individualized study courses:

BIOL 4995E Thesis
 CLAS 3505E Directed Studies
 ENGL 4695E Honours Essay
 GEND 4005E Honours Essay
 GEOG 4985E Directed Studies
 GEOG 4995E Senior Seminar and Thesis
 HIST 4015E Directed Studies
 HIST 4055E Research Project
 PHIL 4105E Directed Studies
 PSYC 3916E Advanced Readings in Psychology
 PSYC 3917E Special Projects Course
 PSYC 4105E Student's Investigation I
 PSYC 4115E Student's Investigation II
 SOCI 4005E Independent Studies
 SOCI 4095E Research Essay

Letter of Permission

A student may be permitted to take course(s) at another university for credit. A Letter of Permission to undertake such courses

must be obtained from the Manager of Academic Services or an Academic Advisor **before** registering at the other university.

A request for a Letter of Permission must be made in writing and must include a current calendar description of the course(s) to be taken. If the request is approved, a copy of the Letter of Permission must be sent by the student to the host university.

The Letter of Permission will specify the minimum grade required to transfer the course to Nipissing University.

It is the student's responsibility to send to the Registrar an official transcript of grade(s) from the host university. Upon receipt of the transcript, the course(s) will be entered on the student's academic record. The grade(s) received for course(s) completed on a Letter of Permission will not be used in the calculation of averages.

Letters of Permission are not normally issued unless students are in good academic standing. Only under exceptional circumstances are Letters of Permission issued for students to complete the last 30 credits in their degree program. A fee is charged for each Letter of Permission and normally requires two weeks to process.

Students enrolled at another university may be admitted to Nipissing University for purposes of transfer of credit to their home university. Please refer to the Admission section (see Admission in the Index).

Limitations on Courses

Number of Attempts to Complete a Course

Students may only make two attempts to complete a course, except in the case of EDUC 0106E where students will be allowed to make only one attempt.

Number of Credits in a Single Discipline

a) Bachelor of Arts (3-Year General)

The maximum number of credits a student may take in a single discipline towards a degree is 54 credits.

b) Bachelor of Arts (Liberal)

The maximum number of credits a student may take in a single discipline is 30 credits, and 54 credits in any two disciplines combined.

c) Bachelor of Arts (Honours)

The maximum number of credits a student may take in a single discipline towards a degree is 84 credits.

d) Bachelor of Science (3-Year General)

The maximum number of credits a student may take in a single discipline towards a degree is 54 credits.

For the purposes of these regulations, language courses taken in the student's second language (French or English) are excluded from the discipline count.

Number of Credits in a Single Discipline in the First Year of Study

During their first year of study or the first 30 credits, students may not take more than six credits in the same subject, except as may be required by a specific program regulation approved

by Senate, or as may be approved by the Dean of Arts and Science.

For the purposes of this regulation, language courses taken in the student's second language (French or English) are excluded from the discipline count.

Number of First Year Courses

The maximum number of first year level courses in the Bachelor of Arts (General) and Bachelor of Arts (Honours) is 42 credits. The maximum number of first year level courses in the Bachelor of Arts (Liberal), Bachelor of Business Administration (Honours), Bachelor of Business Information Systems (Honours), Bachelor of Science (General), Bachelor of Science (Honours) and Bachelor of Science (Liberal) is 48 credits.

Majors

Single Major

A single major in a 3-year general program consists of 36 credits in a single discipline, normally six credits at the introductory level and 30 credits at the upper year level. (Where this is not the case, students must complete program requirements as specified.) A 60% minimum grade is required in the introductory course(s) in order to declare a major in that discipline. Please refer to the Program Requirements for minimum grade requirements in additional required courses for the major.

A single major in an honours program consists of 66 credits in a single discipline, normally six credits at the introductory level and 60 credits at the upper year level. (Where this is not the case, students must complete program requirements as specified.) A 60% minimum grade is required in the introductory course(s) in order to declare a major in that discipline. Please refer to the Program Requirements for minimum grade requirements in additional required courses for the major.

Combined Major

A combined major in a 3-year general program consists of 30 credits in each of two disciplines. (Where this is not the case, students must complete program requirements as specified.) As in the single major, students must achieve the minimum grade requirements in the required courses for the major. A combined major in an Arts and a non-Arts discipline is allowed in a Bachelor of Arts (3-Year General) degree. A combined major in an honours program consists of 42 credits in each of two disciplines. As in the single major, students must achieve the minimum grade requirements in the required courses for the major.

Minor

A minor consists of a minimum of 24 credits in a discipline, with at least six credits at the first year level and at least six credits at the upper year level. Cross-coded and cross-listed courses may count towards a minor if they have not been used elsewhere to complete program requirements. A minimum grade of 60% is required in the introductory course(s) presented for the minor.

Minors are available in: Biology, Business Administration, Classical Studies, Computer Science, Economics, English Studies, Fine Arts, Gender Equity and Social Justice, Geography, History, Mathematics, Native Studies, Philosophy, Psychology, Social Welfare and Sociology.

Off-Campus Courses

Nipissing University usually offers several courses a year in off-campus locations. The Muskoka Campus in Bracebridge offers the potential of first-year full-time study in a Bachelor of Arts degree program and continues to offer a number of upper level courses for part-time study. Please contact the Office of the Faculty of Arts and Science for further information about off-campus offerings.

Residency Requirements

To be considered for a Nipissing University degree, students in the Faculty of Arts and Science must successfully complete at least 30 credits at Nipissing.

Students who apply to graduate with a three-year General degree must include at least 18 Nipissing credits in each major.

Students who apply for a four-year Honours degree must include at least 30 Nipissing credits in each major.

Students who apply for a three-year Liberal degree must include at least nine Nipissing credits in each declared sequence.

Senate Changes to Degree Requirements

Degree requirements that are in any way modified by Senate in one calendar year will normally apply to students admitted the following calendar year unless otherwise specified by Senate. Students currently enrolled may choose to graduate under either the new regulations or the previous regulations. However, they must choose one or the other set of regulations in its entirety.

Statistics Course Equivalences

A student in a degree program cannot retain credit for more than one of the introductory statistics courses. Students will normally take the course offered by the discipline in which they are registered.

Either PSYC 2126/2127E (formerly PSYC 2125E) or SOCI 3125E will be accepted for degree requirements for PSYC/SOCI combined majors. Students who transfer from one discipline to the other will not be required to repeat the statistics course as long as they have attained a 60% grade in a research methods course. Transfers from either inside the University or outside, from a discipline other than PSYC or SOCI, will be allowed to retain credit for a three-credit research design or statistics course, but must enrol in the appropriate PSYC or SOCI course.

Transcripts of Records

Graduates will be given one transcript of their academic record. Other requests for official transcripts must be made through the Office of the Registrar. The fee for transcripts is published in the Fee Section (see Charges and Fees in the Index) of this Calendar, and is due before the request is processed. Transcripts must be requested in writing or in person; telephone requests will not be accepted.

Transfer to an Arts Program from a Professional or Science Program

Students may transfer from a Professional or Science program (e.g. BBA, BSc, etc.) to an Arts program. All program transfers must be completed within the deadlines outlined in the Program Changes section (see Program Changes in the Index).

Writing Competency Test

Nipissing University is committed to the belief that all university graduates should possess the ability to express their thoughts effectively in writing. In order to identify students with writing problems, all students admitted to degree programs in the Faculty of Arts and Science are required to take a diagnostic English Writing Competency Test (WCT).

All students admitted to full-time or part-time studies in the Faculty of Arts and Science must either take the WCT prior to admission (in the case of full-time Mature Student applicants), or write the test at the earliest opportunity after initial admission (normally in September). Full-time or part-time students who fail to take the test prior to completing their first 24 credits (four full courses or equivalent) may be required to suspend future credit course enrolment until they write the test.

The Writing Competency Requirement was revised in 1996. For complete details refer to the Policy on English Writing Competency (see Writing Competency in the Index) in the Policy section of this Calendar.

Writing Competency Test Dates:

Tuesday, September 3, 2002 at 9:00 am
 Saturday, September 14, 2002 at 9:00 am
 Saturday, January 11, 2003 at 10:00 am
 Saturday, March 8, 2003 at 10:00 am

Degree Requirements

Humanities, Social Sciences, Sciences and Professional Disciplines

All degree programs make reference to Humanities, Social Science and Science requirements (breadth requirements). These groups are defined as follows:

Group I Humanities

Classical Studies, English Studies, Film, Fine Arts, Français, French, Music, Philosophy, Religious Studies, Russian, Spanish

Group II Social Sciences

Anthropology, Economics, Gender Equality and Social Justice, Geography, History, Law and Justice, Native Studies, Political Science, Psychology, Social Welfare, Sociology

Group III Sciences

Astronomy, Biology, Chemistry, Computer Science, Environmental Science, General Science, Geology, Mathematics, Physics

Group IV Professional Disciplines

Administrative Studies (Business), Nursing

Where reference is made to an Arts requirement, Arts is defined as either Group I Humanities or Group II Social Sciences. Cross-coded courses will be considered in the group to which they are cross-coded for satisfying breadth requirements regardless for which course the student is registered. Cross-listed courses will be considered in the group to which they are cross-listed for satisfying breadth requirements.

Bachelor of Arts (3-Year General)

To graduate with a Bachelor of Arts (3-Year General) degree, students must:

- a) satisfy all stated requirements for the degree;
- b) complete 90 credits in no more than 132 credit attempts with a minimum overall average of 60% on all passed courses (only courses taken at Nipissing University are to be included into the calculation of averages);
- c) complete the required first year introductory level course(s) in each major, with a minimum grade of 60% after no more than two attempts;
- d) complete after no more than two attempts, with at least the minimum grade stated in the Program Requirements section, each additional required major course having a specified minimum grade requirement;
- e) in the case of a single major, complete at least 36 credits in the major (according to details provided in the Program Requirements section);
- f) in the case of a combined major, complete at least 30 credits in each of two disciplines (according to details provided in the Program Requirements section);

- g) not exceed a maximum of 42 credits at the first year level;
- h) not exceed a maximum of 54 credits in a single discipline;
- i) complete at least six credits in each of Groups I (Humanities), II (Social Sciences) and III (Sciences);
- j) satisfy the Writing Competency requirement.

Good Academic Standing

Students in the Bachelor of Arts (3-Year General) program are in good academic standing if they have:

- a) satisfied all conditions of admission;
- b) attained a minimum average of 60% on all passed courses taken at Nipissing University during the previous academic year or in the previous 30 credit attempts;
- c) failed no more than six credits in the previous 30 credit attempts, and failed no more than 30 credits overall (Note: in computing failed credits, courses taken at Nipissing University and at all other universities will be included);
- d) maintained a minimum average of 60% on all passed courses taken at Nipissing University;
- e) completed the required first year introductory level course(s) in each major, with a minimum grade of 60% (or equivalent, if taken elsewhere) after no more than two attempts;
- f) completed after no more than two attempts, with at least the minimum grade stated in the Program Requirements section, each additional required major course having a specified minimum grade requirement.

Academic Probation

Students in the Bachelor of Arts (3-Year General) program will be placed on academic probation if one or more of the following apply:

- a) they have not attained a minimum average of 60% on all passed courses taken at Nipissing University during the previous academic year or in the previous 30 credit attempts;
- b) they have failed more than six credits but not more than 12 credits in the previous 30 credit attempts, or failed more than 30 credits overall;
- c) they have not maintained a minimum overall average of 60% on all passed courses taken at Nipissing University.

Normally, students who are placed on academic probation must clear their probationary status and return to good academic standing:

- (i) within one academic year for full-time students; or
- (ii) within 30 consecutive credit attempts for part-time students.

Otherwise, they will be required to withdraw from the University.

Students placed on academic probation will normally be restricted to a reduced course load, and they may also be required to include a specified course or courses during the probationary period.

Required Withdrawal from the University

Students in the Bachelor of Arts (3-Year General) program will be required to withdraw from Nipissing University if one or more of the following apply:

- a) they have not satisfied all conditions of admission within the first 30 credit attempts;
- b) they have not cleared probation and returned to good academic standing within one calendar year or 30 consecutive credit attempts; or
- c) they have failed more than 12 credits during the previous academic year or in the previous 30 credit attempts, or failed more than 42 credits overall.

Students who are required to withdraw from the University may petition the Senate Committee on Admissions, Promotions and Petitions for re-admission after one calendar year, except that students who have failed more than 42 credits overall are not eligible for re-admission. The decision of the Committee in all such petitions, and the conditions of re-admission should this be granted, shall not be subject to appeal. Moreover, all students who are re-admitted will normally be placed on academic probation.

3-Year Bachelor of Arts Upgrade to an Honours Degree

Students who have graduated with a Nipissing Bachelor of Arts three-year degree, and who wish to upgrade to a four-year Bachelor of Arts Honours degree in the same discipline, may apply for re-admission to the University indicating their intent to pursue an Honours degree on the application for re-admission. Students must meet the current published minimum average requirements for the degree. Students must also complete all the requirements for the four-year degree program as specified in the Academic Calendar for the year they are re-admitted.

Bachelor of Arts (Honours)

To graduate with a Bachelor of Arts (Honours) degree, students must:

- a) satisfy all the stated requirements for the degree;
- b) complete 120 credits in no more than 162 credit attempts with a minimum overall average of 70% on all passed courses (only courses taken at Nipissing University are to be included in the average);
- c) complete the required first year introductory level course(s) in each major discipline, with a minimum grade of 60% after no more than two attempts;
- d) complete after no more than two attempts, with at least the minimum grade stated in the Program Requirements section, each additional required major course having a specified minimum grade;
- e) in the case of a single major, complete at least 66 credits in the major (according to details provided in the Program Requirements section);
- f) in the case of a combined major, complete at least 42 credits in each of two majors (according to details provided in the Program Requirements section);
- g) not exceed a maximum of 42 credits at the first year level;
- h) not exceed a maximum of 84 credits in a single discipline;
- i) complete at least six credits in each of Groups I (Humanities), II (Social Sciences) and III (Sciences);
- j) satisfy the Writing Competency requirement.

Note: Upon completing fourth year, those students whose final overall averages are below 68% will be required to graduate with the Bachelor of Arts (4-Year General)

degree. However, students whose final overall average is at or above 68% but below 70% will also have the option of taking (or retaking) additional courses in order to qualify for the Honours degree.

Good Academic Standing

Students in the Bachelor of Arts (Honours) program are in good academic standing if they have:

- a) satisfied all conditions of admission;
- b) attained a minimum average of 70% on all passed courses taken at Nipissing University during the previous academic year or in the previous 30 credit attempts;
- c) failed no more than six credits in the previous 30 credit attempts, and failed no more than 30 credits overall (Note: in computing failed credits, courses taken at Nipissing University and at all other universities will be included);
- d) maintained a minimum overall average of 70% on all passed courses taken at Nipissing University.

Academic Probation

Students in the Bachelor of Arts (Honours) program will be placed on academic probation if one or more of the following apply:

- a) they have not attained a minimum average of 70% on all passed courses taken at Nipissing University during the previous academic year or in the previous 30 credit attempts;
- b) they have failed more than six credits but not more than 12 credits in the previous 30 credit attempts, or failed more than 30 credits overall;
- c) they have not maintained a minimum overall average of 70% on all passed courses taken at Nipissing University;
- d) they have not maintained a minimum overall average of 70% on all passed courses taken at Nipissing University, but they have attained the interim minimum overall average requirement of 68% for the year of the program just completed (i.e. upon reaching a completed credit total of 54 credits or 84 credits, respectively).

Normally, students who are placed on academic probation must clear their probationary status and return to good academic standing:

- (i) within one academic year for full-time students; or
- (ii) within 30 consecutive credit attempts for part-time students.

Otherwise, they will be required to withdraw from the Bachelor of Arts (Honours) program or from the University.

Notwithstanding the above, there are three special circumstances in which two consecutive probationary periods (two academic years for full-time students or 60 credit attempts for part-time students) may be permitted with the permission of the Dean. These are:

1. students who are placed on academic probation upon completion of second year solely because they attain an overall average below 70% but at or above 68%, and who subsequently raise their overall average to at least 70% by the end of the third year while failing to clear probation for a different reason;
2. students who attain an overall average of at least 70% upon completion of second year, but who are placed on academic

probation for a different reason, and who subsequently satisfy all requirements for good academic status by the end of third year except for an overall average below 70% but at or above 68%; and

3. students who attain an overall average below 70% but at or above 68% upon completion of both second and third year, and who satisfy all other requirements for good academic standing in both years.

Students placed on academic probation will normally be restricted to a reduced course load, and they may also be required to include a specified course or courses during their probationary period.

Required Withdrawal from the Bachelor of Arts (Honours) Program

Students will be required to withdraw from the Bachelor of Arts (Honours) program if one or more of the following apply:

- a) they have not cleared their probationary status and returned to good academic standing within the required probationary period (one or two academic years for full-time students and 30 or 60 consecutive credit attempts for part-time students);
- b) they have not maintained the interim 68% minimum overall average on all passed courses taken at Nipissing University for the year of the program just completed (i.e. upon reaching a completed credit total of 54 credits or 84 credits, respectively).

Students who are required to withdraw from the Bachelor of Arts (Honours) program at the end of the second year may apply to transfer to the Bachelor of Arts (3-Year General) or another degree program. Moreover, should the requirements for good academic standing in the new program not be met, such students will be placed on academic probation.

Students who are required to withdraw from the Honours program at the end of the third year, and who meet the degree requirements for an appropriate three-year program, shall be permitted to transfer to that program and graduate. Alternately, such students may apply to transfer to a three-year program and take (or retake) additional courses in order to qualify for re-admission into honours.

Required Withdrawal from the University

Students in the Bachelor of Arts (Honours) program will be required to withdraw from Nipissing University if one or more of the following apply:

- a) they have not satisfied all conditions of admission within the first 30 credit attempts;
- b) they have not cleared their probationary status and returned to good academic standing within the required probationary period (one academic year for full-time students and 30 consecutive credit attempts for part-time students), and furthermore, they are not eligible for a second probationary period;
- c) they have failed more than 12 credits during the previous academic year or in the previous 30 credit attempts, or failed more than 42 credits overall.

Students who are required to withdraw from the University may petition the Senate Committee on Admissions, Promotions and Petitions for re-admission after one calendar year, except that students who have failed more than 42 credits overall are not

eligible for re-admission. The decision of the Committee in all such petitions, and the conditions of re-admission should this be granted, shall not be subject to appeal. Moreover, all students who are re-admitted will normally be placed on academic probation.

3-Year Bachelor of Arts Upgrade to an Honours Degree

Students who have graduated with a Nipissing Bachelor of Arts three-year degree, and who wish to upgrade to a four-year Bachelor of Arts Honours degree in the same discipline, may apply for re-admission to the University indicating their intent to pursue an Honours degree on the application for re-admission. Students must meet the current published minimum average requirements for the degree. Students must also complete all the requirements for the four-year degree program as specified in the Academic Calendar for the year they are re-admitted.

Bachelor of Arts (3-Year Liberal)

To graduate with a Bachelor of Arts (3-Year Liberal) degree, students must:

- a) satisfy all stated requirements for the degree;
- b) complete 90 credits in no more than 132 credit attempts with a minimum overall average of 60% on all passed courses (only courses taken at Nipissing are to be included in the average);
- c) complete a minimum of 48 credits in courses chosen from at least three disciplines in Group I (Humanities) and Group II (Social Sciences), with at least six credits in each group;
- d) complete a sequence of 18 credits in each of two disciplines. The minimum 18 credits in each discipline may include courses cross-listed for credit in that discipline (if they have not been used elsewhere to complete program requirements), with at least six credits at the first year level and at least six credits at the upper year level and with at least one of these disciplines chosen from Group I (Humanities) or Group II (Social Sciences);
- e) complete the first year required course(s) for each sequence with a minimum grade of 60% after no more than two attempts;
- f) complete at least six credits in Group III (Sciences);
- g) not exceed a maximum of 48 credits at the first year level;
- h) not exceed a maximum of 30 credits in a single discipline and 54 credits in any two disciplines combined;
- i) satisfy the Writing Competency requirement.

Good Academic Standing

Students in the Bachelor of Arts (3-Year Liberal) program are in good academic standing if they have:

- a) satisfied all conditions of admission;
- b) attained a minimum average of 60% on all passed courses taken at Nipissing University during the previous academic year or in the previous 30 credit attempts;
- c) failed no more than six credits in the previous 30 credit attempts, and failed no more than 30 credits overall (Note:

- in computing failed credits, courses taken at Nipissing University and at all other universities will be included);
- d) maintained a minimum overall average of 60% on all passed courses taken at Nipissing University;
- e) completed the required first year introductory level course(s) for each sequence, with a minimum grade of 60% (or equivalent, if taken elsewhere) after no more than two attempts.

Academic Probation

Students in the Bachelor of Arts (3-Year Liberal) program will be placed on academic probation if one or more of the following apply:

- a) they have not attained a minimum average of 60% on all passed courses taken at Nipissing University during the previous academic year or in the previous 30 credit attempts;
- b) they have failed more than six credits but not more than 12 credits in the previous 30 credit attempts, or failed more than 30 credits overall;
- c) they have not maintained a minimum overall average of 60% on all passed courses taken at Nipissing University.

Normally, students who are placed on academic probation must clear their probationary status and return to good academic standing:

- (i) within one academic year for full-time students; or
- (ii) within 30 consecutive credit attempts for part-time students.

Otherwise, they will be required to withdraw from the University.

Students placed on academic probation will normally be restricted to a reduced course load, and they may also be required to include a specified course or courses during the probationary period.

Required Withdrawal from the University

Students in the Bachelor of Arts (3-Year Liberal) program will be required to withdraw from Nipissing University if one or more of the following apply:

- a) they have not satisfied all conditions of admission within the first 30 credit attempts;
- b) they have not cleared probation and returned to good academic standing within one calendar year or 30 consecutive credit attempts; or
- c) they have failed more than 12 credits during the previous academic year or in the previous 30 credit attempts, or failed more than 42 credits overall.

Students who are required to withdraw from the University may petition the Senate Committee on Admissions, Promotions and Petitions for re-admission after one calendar year, except that students who have failed more than 42 credits overall are not eligible for re-admission. The decision of the Committee in all such petitions, and the conditions of re-admission should this be granted, shall not be subject to appeal. Moreover, all students who are re-admitted will normally be placed on academic probation.

3-Year Bachelor of Arts Upgrade to an Honours Degree

Students who have graduated with a Nipissing Bachelor of Arts three-year degree, and who wish to upgrade to a four-year Bachelor of Arts Honours degree in the same discipline, may apply for re-admission to the University indicating their intent to pursue an Honours degree on the application for re-admission. Students must meet the current published minimum average requirements for the degree. Students must also complete all the requirements for the four-year degree program as specified in the Academic Calendar for the year they are re-admitted.

Bachelor of Business Administration (Honours)

To graduate with a Bachelor of Business Administration (BBA) degree, students must:

- satisfy all the stated requirements of the degree;
- complete 120 credits in no more than 162 credit attempts with a minimum overall average of 70% on all passed courses (only courses taken at Nipissing are to be included in this average);
- complete the designated first year introductory level ADMN courses with a minimum grade of 60% after no more than two attempts;
- successfully complete all required courses in no more than two attempts;
- not exceed a maximum of 48 credits of first year level courses;
- not exceed a maximum of 84 credits in a single discipline;
- complete six credits in Group I (Humanities), Group II (Social Sciences), or Group III (Sciences) (not to include the required courses in COSC or ECON);
- satisfy the Writing Competency requirement.

Note: Upon completing fourth year, those students whose final overall average is below 70% may graduate with the Bachelor of Business Administration (4-Year General) degree. Such students have the option of taking (or retaking) additional courses in order to qualify for the Honours degree.

Good Academic Standing

Students in the BBA program are in good academic standing if they have:

- satisfied all conditions of admission;
- maintained an overall average of at least 70% on all passed courses in the previous academic year, or in the previous 30 credits;
- failed no more than six credits in the previous 30 credit attempts;
- attained a minimum overall average of 70%; (failed grades are not included in the calculation of averages).

Academic Probation

Students in the BBA program will be placed on academic probation if one or more of the following apply:

- they have failed more than six credits in an academic year or a sequence of 30 credits;

- they have not maintained an average of 70% on all passed courses in an academic year or a sequence of 30 credits;
- they have not attained a minimum overall average of 70% (failed grades are not included in the calculation of averages).

Students placed on academic probation will normally be required to take a reduced course load. Students may continue on academic probation for not more than one academic year or 30 credits of study.

Required Withdrawal from BBA Program

Students in the BBA program will be required to withdraw from the program if they have:

- not cleared probation within one academic year or a sequence of 30 credits;
- failed to attain an overall major average of at least 68% (failed grades are not included in the calculation of averages).

Students who are required to withdraw from the BBA program at the end of the second year may apply to transfer to the Bachelor of Arts (3-Year General) or another degree program. Moreover, should the requirements for good academic standing in the new program not be met, such students will be placed on academic probation.

Students who are required to withdraw from the Honours program at the end of the third year shall be permitted to transfer to an appropriate three-year program. Such students may complete the three-year program requirements and graduate or take (or retake) additional courses in order to qualify for re-admission into honours.

Required Withdrawal from University

Students in the BBA program will be required to withdraw from Nipissing University if one or more of the following apply:

- they have not satisfied all conditions of admission in one academic year or a sequence of 30 credits;
- they have not cleared their probationary status and returned to good academic standing within the required probationary period (one academic year for full-time students and 30 consecutive credit attempts for part-time students);
- they have failed more than 12 credits in an academic year or in a sequence of 30 credits, or failed more than 42 credits overall.

Students who are required to withdraw from the University may petition the Senate Committee on Admissions, Promotions and Petitions for re-admission after one calendar year, except that students who have failed more than 42 credits overall are not eligible for re-admission. The decision of the Committee in all such petitions, and the conditions of re-admission should this be granted, shall not be subject to appeal. Moreover, all students who are re-admitted will normally be placed on academic probation.

Bachelor of Business Information Systems (Honours)

To graduate with a Bachelor of Business Information Systems (Honours) degree, students must:

- satisfy all stated requirements for the degree;
- complete 120 credits in no more than 162 credit attempts with a minimum overall average of 70% on all passed courses (only Nipissing University courses are to be included in this average);
- complete each required course specified in the Program Requirements section in no more than two attempts;
- complete the specified first year introductory level courses with a minimum grade of 60% after no more than two attempts;
- not exceed 48 credits of first year level courses;
- complete six credits in Group I (Humanities) and/or Group II (Social Sciences) (excluding required courses and/or disciplines specified in the Program Requirements section);
- satisfy the Writing Competency requirement.

Good Academic Standing

Students in the Bachelor of Business Information Systems (Honours) program are in good academic standing if they have:

- satisfied all conditions of admission;
- failed no more than six credits in the previous academic year or in the previous 30 credit attempts;
- achieved a minimum overall average of 70% on all passed courses in the previous academic year or in the previous 30 credit attempts;
- maintained a minimum overall average of 70% on all passed Nipissing University courses.

Academic Probation

Students in the Bachelor of Business Information Systems (Honours) program will be placed on academic probation if one or more of the following apply:

- they have failed more than six credits but not more than 12 credits in the previous academic year or in the previous 30 credit attempts;
- they have not achieved a minimum average of 70% on all passed courses in the previous academic year or in the previous 30 credit attempts;
- they have not maintained a minimum overall average of 70% on all passed Nipissing University courses.

Students placed on probation may be limited to a reduced course load during the next academic year, and may not continue on probation for more than one academic year or 30 credit attempts.

Required Withdrawal from the Bachelor of Business Information Systems (Honours) Program

Students in the Bachelor of Business Information Systems (Honours) program will be required to withdraw from the program if one or more of the following apply:

- upon entering third or fourth year, they have not achieved a minimum average of 65% on all courses passed in the

previous academic year or in the previous 30 credit attempts;

- they have not cleared probation within one academic year or 30 credit attempts.

Students required to withdraw from the Bachelor of Business Information Systems (Honours) program may apply for transfer to another program. However, should the requirements for good academic standing in the new program not be met, students will be placed on academic probation in that program.

Required Withdrawal from the University

Students in the Bachelor of Business Information Systems (Honours) program will be required to withdraw from Nipissing University if one or more of the following apply:

- they have not satisfied all conditions of admission within one academic year or 30 credit attempts;
- they have failed more than 12 credits in the previous academic year or in the previous 30 credit attempts, or they have failed more than 42 credits overall.

Students who are required to withdraw from the University may petition the Senate Committee on Admissions, Promotions and Petitions for re-admission after one calendar year, except that students who have failed more than 42 credits overall are not eligible for re-admission. The decision of the Committee in all such petitions, and the conditions of re-admission should this be granted, shall not be subject to appeal. Moreover, all such re-admitted students will normally be placed on academic probation.

Bachelor of Science (3-Year General)

To graduate with a Bachelor of Science (3-Year General) degree, students must:

- satisfy all stated requirements for the degree;
- complete 90 credits in no more than 132 credit attempts with a minimum overall average of 60% in all passed courses (only courses taken at Nipissing University are to be included in the calculation of averages);
- complete the required first year introductory level course(s) after no more than two attempts;
- in the case of a single major, complete at least 36 credits in the major (according to details provided in the Program Requirements section);
- including the courses for the major, complete at least 60 credits in Group III (Sciences), except in the case of a Psychology major;
- complete at least six credits in each of Group I (Humanities) and Group II (Social Sciences);
- not exceed a maximum of 48 credits at the first year level;
- not exceed a maximum of 54 credits in a single discipline;
- satisfy the Writing Competency requirement.

Good Academic Standing

Students in the Bachelor of Science (3-Year General) program are in good academic standing if they have:

- satisfied all conditions of admission;

- b) attained a minimum average of 60% on all passed courses taken at Nipissing University during the previous academic year or in the previous 30 credit attempts;
- c) failed no more than six credits in the previous 30 credit attempts, and failed no more than 30 credits overall (Note: in computing failed credits, courses taken at Nipissing University and at all other universities will be included);
- d) maintained a minimum overall average of 60% on all passed courses taken at Nipissing University;
- e) completed the required first year introductory level course(s) in each major, with a minimum grade of 60% (or equivalent, if taken elsewhere) after no more than two attempts;
- f) completed after no more than two attempts, with at least the minimum grade stated in the Program Requirements section, each additional required major course having a specified minimum grade requirement.

Academic Probation

Students in the Bachelor of Science (3-Year General) program will be placed on academic probation if one or more of the following apply:

- a) they have not attained a minimum average of 60% on all passed courses taken at Nipissing University during the previous academic year or in the previous 30 credit attempts;
- b) they have failed more than six credits, but not more than 12 credits in the previous 30 credit attempts, or failed more than 30 credits overall;
- c) they have not maintained a minimum overall average of 60% on all passed courses taken at Nipissing University.

Normally, students who are placed on academic probation must clear their probationary status and return to good academic standing:

- (i) within one academic year for full-time students; or
- (ii) within 30 consecutive credit attempts for part-time students.

Otherwise, they will be required to withdraw from the University.

Students placed on academic probation will normally be restricted to a reduced course load, and they may also be required to include a specified course or courses during the probationary period.

Required Withdrawal from the University

Students in the Bachelor of Science (3-Year General) program will be required to withdraw from Nipissing University if one or more of the following apply:

- a) they have not satisfied all conditions of admission within the first 30 credit attempts;
- b) they have not cleared probation and returned to good academic standing within one calendar year or 30 consecutive credit attempts; or
- c) they have failed more than 12 credits during the previous academic year or in the previous 30 credit attempts, or failed more than 42 credits overall.

Students who are required to withdraw from the University may petition the Senate Committee on Admissions, Promotions and

Petitions for re-admission after one calendar year, except that students who have failed more than 42 credits overall are not eligible for re-admission. The decision of the Committee in all such petitions, and the conditions of re-admission should this be granted, shall not be subject to appeal. Moreover, all students who are re-admitted will normally be placed on academic probation.

Bachelor of Science (Honours)

To graduate with a Bachelor of Science (Honours) Degree students must:

- a) satisfy all stated requirements for the degree;
- b) complete 120 credits in no more than 162 credit attempts with an overall average of 70% on all passed courses (only courses taken at Nipissing University are to be included in average);
- c) successfully complete all required courses in no more than two attempts and complete the specified first year introductory level courses with a minimum grade of 60% after no more than two attempts;
- d) complete six credits in the Humanities and six credits in the Social Sciences. Exceptions include:
 - i) Environmental Biology and Technology major where students may complete six credits in Humanities and/or Social Sciences;
 - ii) Environmental Science and Physical Geography major where students must complete six credits in Humanities and six credits in Business or Social Science, excluding Physical Geography; and
 - iii) the Nursing major where a Humanities is not required nor Social Science in addition to the core requirements;
- e) not exceed a maximum of 48 credits at the first year level;
- f) not exceed a maximum of 84 credits in a single discipline (with the exception of Environmental Biology and Technology, Environmental Science and Physical Geography, and Nursing);
- g) satisfy the Writing Competency Requirement.

Good Academic Standing

Students are in good academic standing if they:

- a) have satisfied all conditions of admission;
- b) maintained an overall average of at least 70% on all passed courses in the previous academic year or in the previous 30 credits;
- c) have failed no more than six credits in the previous 30 credits;
- d) have attained a minimum overall average of 70% on all passed courses taken at Nipissing University;
- e) satisfy the Writing Competency Requirement.

Academic Probation

Students will be placed on academic probation if one or more of the following apply:

- a) they have failed more than six credits but no more than 12 credits, in an academic year or a sequence of 30 credits;
- b) they have not met the program requirements;
- c) they have not maintained an average of 70% on all passed courses in an academic year or a sequence of 30 credits;

- d) they have not attained a minimum overall average of 70% on all passed courses taken at Nipissing University;

Students placed on academic probation will normally be limited to a reduced course load and may continue on probation for not more than one academic year or 30 credits.

Required Withdrawal from the Bachelor of Science (Honours) Program

Students will be required to withdraw from the program if they:

- a) fail to attain an overall average of at least 65% for the Computer Science, Environmental Biology and Technology, or Environmental Science/Physical Geography major and 68% for the Biology, Nursing or Psychology major, on all passed courses in an academic year or a sequence of 30 credits;
- b) do not clear probation within one academic year or a sequence of 30 credits.

Required Withdrawal from the University

Students will be forced to withdraw from the university if they:

- a) do not satisfy all conditions of admission in one academic year or a sequence of 30 credits;
- b) have not cleared probation after two academic years or a sequence of 60 credits;
- c) have failed more than 12 credits in an academic year or a sequence of 30 credits.

Students who are required to withdraw from the University may petition the Senate Committee on Admissions, Promotions and Petitions for re-admission after one calendar year, except that students who have failed more than 42 credits overall are not eligible for re-admission. The decision of the Committee in all such petitions, and the conditions of re-admission should this be granted, shall not be subject to appeal. Moreover, all students who are re-admitted will normally be placed on academic probation.

Bachelor of Science (3-Year Liberal)

To graduate with a Bachelor of Science (3-Year Liberal) degree, students must:

- a) satisfy all stated requirements for the degree;
- b) complete 90 credits in no more than 132 credit attempts with a minimum overall average of 60% on all passed courses;
- c) complete 54 credits in Science courses chosen from at least three disciplines;
- d) complete at least six credits in two of the following disciplines: Mathematics, Physics and Chemistry;
- e) complete a sequence of 18 credits in each of two science disciplines. The minimum 18 credits in one discipline may include courses cross-listed for credit in that discipline (if they have not been used elsewhere to complete program requirements), with at least six credits at the first year level and six credits at the upper year level;

- f) complete the required first-year introductory level course(s) in each sequence, with a minimum grade of 60% after no more than two attempts;
- g) choose six credits from the following courses: Philosophy of Science (PHIL 2915E), Straight Thinking and Argument (PHIL 2505E), or History of Science (HIST 2245E);
- h) complete 30 additional credits in elective courses. Twelve credits must be completed from non-science courses (if students are required to take language course(s) as part of their admission requirements, these language course(s) may count as non-science elective(s) requirements);
- i) not exceed a maximum of 48 credits at the first year level;
- j) satisfy the Writing Competency requirement.

Good Academic Standing

Students in the Bachelor of Science (3-Year Liberal) program are in good academic standing if they have:

- a) satisfied all conditions of admission;
- b) attained a minimum average of 60% on all passed courses taken at Nipissing University during the previous academic year or in the previous 30 credit attempts;
- c) failed no more than six credits in the previous 30 credit attempts, and failed no more than 30 credits overall (Note: in computing failed credits, courses taken at Nipissing University and at all other universities will be included);
- d) maintained a minimum overall average of 60% on all passed courses taken at Nipissing University;
- e) completed the required first year introductory level course(s) in each sequence, with a minimum grade of 60% (or equivalent, if taken elsewhere) after no more than two attempts;
- f) completed after no more than two attempts, with at least the minimum grade stated in the Program Requirements section, each additional required course having a specified minimum grade requirement.

Academic Probation

Students in the Bachelor of Science (3-Year Liberal) program will be placed on academic probation if one or more of the following apply:

- a) they have not attained a minimum average of 60% on all passed courses taken at Nipissing University during the previous academic year or in the previous 30 credit attempts;
- b) they have failed more than six credits, but not more than 12 credits in the previous 30 credit attempts, or failed more than 30 credits overall;
- c) they have not maintained a minimum overall average of 60% on all passed courses taken at Nipissing University.

Normally, students who are placed on academic probation must clear their probationary status and return to good academic standing:

- (i) within one academic year for full-time students; or
- (ii) within 30 consecutive credit attempts for part-time students.

Otherwise, they will be required to withdraw from the University.

Students placed on academic probation will normally be restricted to a reduced course load, and they may also be required to include a specified course or courses during the probationary period.

Required Withdrawal from the University

Students in the Bachelor of Science (3-Year Liberal) program will be required to withdraw from Nipissing University if one or more of the following apply:

- a) they have not satisfied all conditions of admission within the first 30 credit attempts;
- b) they have not cleared probation and returned to good academic standing within one calendar year or 30 consecutive credit attempts; or
- c) they have failed more than 12 credits during the previous academic year or in the previous 30 credit attempts, or failed more than 42 credits overall.

Students who are required to withdraw from the University may petition the Senate Committee on Admissions, Promotions and Petitions for re-admission after one calendar year, except that students who have failed more than 42 credits overall are not eligible for re-admission. The decision of the Committee in all such petitions, and the conditions of re-admission should this be granted, shall not be subject to appeal. Moreover, all students who are re-admitted will normally be placed on academic probation.

Second Degree Programs

Program of Study

All second degree programs are normally specified by the Manager of Academic Services in consultation with the discipline concerned, and must be approved by the Registrar and the Dean of Arts and Science.

Students who have not met all academic regulations of the University in their first degree program must complete them in their second degree program.

Students may receive credit for courses already completed if these courses were not used to satisfy any of the requirements for the first degree program.

Admission Requirements

Students possessing an undergraduate degree may proceed to a second undergraduate degree program in another area of study.

Students may be admitted to a second degree program if they hold a recognized university degree with a minimum overall average of "C" or better, and have not failed more than 30 credits in the first degree program.

Academic Probation

Students who fail to maintain the minimum grade requirements and minimum average requirements specified in the general regulations for the degree, may be permitted to continue in the program, on probation, for no more than one year or 30 consecutive

credits by petition to the Admissions, Promotions, and Petitions Committee, with a positive recommendation from the Dean of Arts and Science.

Withdrawal from the Second Degree Program

If after two attempts in a required course, students fail to achieve the minimum grade requirements or the minimum average specified by the general regulations of the degree, they will be required to withdraw from the second degree program.

If, after one year of probation, students fail to meet the minimum requirements, they will be required to withdraw from the second degree program.

Second Degree Programs – Bachelor of Arts (3-Year General) Bachelor of Arts (3- Year Liberal) Bachelor of Science (3-Year Liberal)

To graduate with a second degree in the Bachelor of Arts (3-Year General) program, the Bachelor of Arts (3-Year Liberal) program, or the Bachelor of Science (3-Year Liberal) program, students must:

- a) complete a minimum of 48 credits with a minimum overall average of 60%, after no more than two attempts in any one course;
- b) in the case of a Bachelor of Arts second degree, complete a minimum of 30 credits in the area of major;
- c) in the case of a Bachelor of Arts second degree, complete the required first year introductory course(s) in each major, with a minimum grade of 60% after no more than two attempts;
- d) in the case of a Bachelor of Arts (3-Year Liberal), or a Bachelor of Science (3-Year Liberal) degree, complete the required first year introductory course(s) in each declared discipline, with a minimum grade of 60% after no more than two attempts;
- e) in the case of a Bachelor of Arts second degree, include all courses normally required for the major, if not already completed in the first degree;
- f) in the case of a Bachelor of Arts (3-Year Liberal), or a Bachelor of Science (3-Year Liberal) second degree, complete a sequence of 18 credits in each of two disciplines and maintain an average of 60% on the courses presented for the degree;
- g) in the case of a Bachelor of Arts second degree, complete at least six credits in each of Groups I (Humanities), II (Social Sciences), and III (Sciences) if they have not done so in their first degree;
- h) satisfy the Writing Competency requirement if they hold a first degree from a foreign university. (The Dean of the Faculty of Arts and Science may consider students for exemption, on an individual basis.)

Second Degree Programs - Bachelor of Arts (Honours) Bachelor of Business Administration (Honours)

To graduate with a second degree in the Bachelor of Arts (Honours) program or Bachelor of Business Administration (Honours) program students must:

- a) complete a minimum of 60 credits with a minimum overall average of 70%, after no more than two attempts in any one course;
- b) in the case of a Bachelor of Arts second degree, complete the required first year introductory level course(s) in each major, with a minimum grade of 60% after no more than two attempts;
- c) in the case of a Bachelor of Arts second degree, complete a minimum of 48 credits in the area of major of the second degree;
- d) in the case of a Bachelor of Business Administration second degree, complete all core course not completed in the first degree;
- e) maintain all minimum grade requirements and all minimum average requirements specified in the general regulations for the specified degree;
- f) in the case of a Bachelor of Arts second degree, complete at least six credits in each of Groups I (Humanities), II (Social Sciences) and III (Sciences) if they have not done so in their first degree;
- g) satisfy the Writing Competency requirement if they hold a first degree from a foreign university. (The Dean of the Faculty of Arts and Science may consider students for exemption, on an individual basis.)

Upgrade to an Honours Degree from a 3-Year Bachelor of Arts

Students who have graduated with a Nipissing Bachelor of Arts three-year degree, and who wish to upgrade to a four-year Bachelor of Arts Honours degree in the same discipline, may apply for re-admission to the University indicating their intent to pursue an Honours degree on the application for re-admission.

To graduate with a Bachelor of Arts (Honours) degree, students must:

- a) meet the current published minimum average requirements for the degree and the major;
- b) complete all the requirements for the four-year degree program as specified in the academic calendar for the year they are re-admitted.

Program Requirements

For complete BA (3-Year General) degree requirements, please refer to that section of the Calendar (see Degree Requirements in the Index).

Administrative Studies

This program is part of the School of Business and Economics.

Undergraduate Degree

- Bachelor of Arts (3-Year General)

3-Year General Degree - Single Major

Students must complete 90 credits including 39 core credits in Administrative Studies, Computer Science and Economics as follows:

ADMN 1107E	Introductory Financial Accounting II	3 cr.
ADMN 1136E	Introduction to Organizational Behaviour	3 cr.
*ADMN 1156E	Introductory Professional Skills and Processes	3 cr.
*ADMN 1167E	Business Decision Making	3 cr.
COSC 1606E	Data Base Applications	3 cr.
COSC 1607E	Spreadsheet Applications	3 cr.
ECON 1006E	Introduction to Economics I	3 cr.
ECON 1007E	Introduction to Economics II	3 cr.
ADMN 2117E	Industrial Relations	3 cr.
ADMN 2606E	Business Statistics	3 cr.
ADMN 2126E	Marketing Concepts	3 cr.
ADMN 3306E	Introduction to Small Business Administration	3 cr.
ADMN 3856E	Information Systems	3 cr.

* Students must complete ADMN 1156E and ADMN 1167E with a minimum grade of 60% in each.

Students without any prior background in accounting will be required to take ADMN 1106E: Introductory Financial Accounting I in preparation for ADMN 1107E.

Students are limited to a maximum of 54 credits in Administrative Studies.

Other Course Requirements

Humanities	6 cr.
Electives	45 cr.

For complete BA (3-Year General) degree requirements, please refer to that section of the Calendar (see Degree Requirements in the Index).

3-Year General Degree - Combined Major

Students must complete the 39 core credits listed above (with the specified minimum grades) and a minimum of 30 credits in another discipline. The second major must include all of the required courses specified for that discipline.

Students are limited to a maximum of 54 credits in Administrative Studies.

Other Course Requirements

Humanities	6 cr.
Electives	15 cr.

Biology

Undergraduate Degree

- Bachelor of Science (3-Year General)
- Bachelor of Science (Honours)

3-Year General Degree – Single Major

Students must complete 90 credits with 60 core credits as follows:

*BIOL 1006E Introduction to Molecular and Cell Biology	3 cr.
*BIOL 1007E Introduction to Organismal and Evolutionary Biology	3 cr.
BIOL 2446E Principles of Ecology	3 cr.
BIOL 2557E Genetics	3 cr.
BIOL 2000 level	6 cr.
BIOL 3000 level	15 cr.

One of:	3 cr.
BIOL 2336E Biology of Seedless Plants	
BIOL 2337E Biology of Seed Plants	

One of:	3 cr.
BIOL 2836E Invertebrate Zoology	
BIOL 2837E Vertebrate Zoology	

*Students must complete BIOL 1006E and BIOL 1007E with a minimum grade of 60% in each.

CHEM 1005E General Chemistry	6 cr.
CHEM 2000 level	3 cr.
MATH 1257E Technical Statistics	3 cr.
MATH 1000 level **	3 cr.
Science 1000 level (excluding BIOL or ENSC)	6 cr.
Science 1000 or 2000 level	3 cr.

** This requirement excludes MATH 1070E, MATH 1911E and MATH 1912E.

Students are limited to a maximum of 54 credits in a single discipline.

Other Requirements

Humanities	6 cr.
Social Sciences	6 cr.
Electives	18 cr.

For complete BSc (3-Year General) degree requirements, please refer to that section of the Calendar (see Degree Requirements in the Index).

Honours Degree - Single Major

Students must complete 120 credits with 90 core credits as follows:

*BIOL 1006E Introduction to Molecular and Cell Biology	3 cr.
*BIOL 1007E Introduction to Organismal and Evolutionary Biology	3 cr.

BIOL 2446E Principles of Ecology	3 cr.
BIOL 2557E Genetics	3 cr.
BIOL 3117E Biostatistics	3 cr.
BIOL 4995E Thesis	6 cr.

BIOL 2000 level	6 cr.
BIOL 2000 or 3000 level	3 cr.
BIOL 3000 level	15 cr.
BIOL 3000 or 4000 level	6 cr.
BIOL 4000 level	9 cr.

One of:	3 cr.
BIOL 2336E Biology of Seedless Plants	
BIOL 2337E Biology of Seed Plants	

One of:	3 cr.
BIOL 2836E Invertebrate Zoology	
BIOL 2837E Vertebrate Zoology	

*Students must complete BIOL 1006E and BIOL 1007E with a minimum grade of 60% in each.

CHEM 1005E General Chemistry	6 cr.
CHEM 2000 level	3 cr.

MATH 1257E Technical Statistics	3 cr.
MATH 1000 level**	3 cr.

Science 1000 level (excluding BIOL or ENSC)	6 cr.
Science 1000 or 2000 level	3 cr.

**This requirement excludes MATH 1070E, MATH 1911E and MATH 1912E.

Students are limited to a maximum of 84 credits in a single discipline.

Other Requirements

Humanities	6 cr.
Social Sciences	6 cr.
Electives	18 cr.

For complete BSc (Honours) degree requirements, please refer to that section of the Calendar (see Degree Requirements in the Index).

Minor

A minor in Biology is available to students pursuing a major in another discipline. A minor consists of a minimum of 24 credits in the discipline, with at least six credits at the first year level and at least six credits at the upper year level. Cross-coded and cross-listed courses may count towards the minor if they have not been used elsewhere to complete program requirements. A minimum grade of 60% is required in the introductory course(s) presented for the minor.

Business Administration

This program is part of the School of Business and Economics.

Undergraduate Degree

- Bachelor of Business Administration (Honours)

To graduate with a Bachelor of Business Administration Degree, students must complete 120 credits, including 63 credits from the BBA core program requirements as follows:

ADMN 1107E	Introductory Financial Accounting II	3 cr.
ADMN 1136E	Introduction to Organizational Behaviour	3 cr.
*ADMN 1156E	Introductory Professional Skills and Processes	3 cr.
*ADMN 1167E	Business Decision Making	3 cr.
COSC 1606E	Data Base Applications	3 cr.
COSC 1607E	Spreadsheet Applications	3 cr.
ECON 1006E	Introduction to Economics I	3 cr.
ECON 1007E	Introduction to Economics II	3 cr.
ADMN 2117E	Industrial Relations	3 cr.
ADMN 2126E	Marketing Concepts	3 cr.
ADMN 2127E	Marketing for Managers	3 cr.
ADMN 2137E	Management of Human Resources	3 cr.
ADMN 2146E	Management Accounting and Control I	3 cr.
ADMN 2606E	Business Statistics	3 cr.
ADMN 2607E	Business Mathematics	3 cr.
ADMN 3116E	Financial Management I	3 cr.
ADMN 3306E	Introduction to Small Business Administration	3 cr.
ADMN 3856E	Information Systems	3 cr.
ADMN 4606E	Business Strategy and Policy I	3 cr.
ECON 2006E	Intermediate Microeconomic Theory	3 cr.
ECON 2016E	Intermediate Macroeconomic Theory	3 cr.

* Students must complete ADMN 1156E and ADMN 1167E with a minimum grade of 60% in each.

Students without any prior background in accounting will be required to take ADMN 1106E: Introductory Financial Accounting I in preparation for ADMN 1107E.

Students are limited to a maximum of 84 credits in a single discipline.

Other Course Requirements

ADMN or ECON	24 cr.
Humanities, Science or Social Science	6 cr.
Electives	27 cr.

For complete BBA requirements, please refer to that section of the Calendar (see Degree Requirements in the Index).

BBA Streams

Prior to commencing the second year of study, students must decide if they wish to graduate with either a BBA, or with a BBA that has a stream. This stream will be noted on the student's graduation diploma. Nipissing BBA students have a

choice of specializing in either Accounting, Economics or Human Resource Management.

Should students wish to specialize in one of the streams, they must complete a specific series of elective courses, chosen from the groups below, during their second, third and fourth years of study. Students are required to declare whether or not they will pursue a stream, prior to registering for their third year of studies. For each stream, there will be a faculty member responsible for co-ordinating student intake, questions, and course-related concerns.

Stream Co-ordinators

Accounting – J. Ryan (Financial)
 Accounting – TBA (Management)
 Economics – C. Sarlo
 Human Resources Management – J. Knox

Accounting Stream

Students must complete 27 credits during their second, third and fourth years of study, as follows:

ADMN 2106E	Intermediate Accounting I	3 cr.
ADMN 2107E	Intermediate Accounting II	3 cr.
ADMN 2147E	Management Accounting and Control II	3 cr.
ADMN 3117E	Financial Management II	3 cr.

Students intending to pursue an accounting designation are strongly advised to take ADMN 2106E, ADMN 2107E and ADMN 2147E in their second year.

15 credits from the following:

ADMN 4816E	Personal Taxation	3 cr.
ADMN 4817E	Corporate Taxation	3 cr.
ADMN 4826E	Operational Auditing	3 cr.
ADMN 4827E	Auditing	3 cr.
ADMN 4836E	Advanced Accounting Topics I	3 cr.
ADMN 4837E	Advanced Accounting Topics II	3 cr.
ADMN 4866E	Advanced Cost Accounting Topics I	3 cr.
ADMN 4887E	Advanced Management Accounting II	3 cr.
ADMN 4926E	EDP Auditing	3 cr.
ADMN 4927E	Advanced Auditing	3 cr.

Economics Stream

Students must complete 18 credits in Economics during their second, third and fourth years of study, as follows:

ECON 2007E	Labour Economics	3 cr.
ECON 2017E	Money, Banking, and the Canadian Financial System	3 cr.

12 credits from the following:

ECON 2127E	Introduction to Mathematics for Economics	3 cr.
ECON 3065E	Introduction to Economic Development	6 cr.
ECON 3085E	Canadian Economic Problems and Policies	6 cr.

Human Resources Management Stream

Students must complete 21 credits during their second, third and fourth years of study, as follows:

ADMN 3706E	Organizational Structure and Design	3 cr.
ADMN 3836E	Training and Development	3 cr.
ADMN 3837E	Organizational Development and Change	3 cr.

12 credits from the following:

ADMN 2306E	Business Ethics	3 cr.
ADMN 3146E	Compensation and Rewards	3 cr.
ADMN 3147E	Occupational Health and Safety	3 cr.
ADMN 3246E	Human Resources Research and Information Systems	3 cr.
ADMN 3247E	Human Resources Planning	3 cr.
ADMN 4126E	Management Skills	3 cr.
ADMN 4136E	Research in Management	3 cr.
ADMN 4137E	Current Issues in Management	3 cr.
ADMN 4145E	Field Placement in HRM	6 cr.
ADMN 4206E	International Management	3 cr.
ECON 2007E	Labour Economics	3 cr.

Minor

A minor in Business Administration is available to students pursuing a major in another discipline. A minor consists of a minimum of 24 credits in the discipline. In Business Administration, the minor must consist of ADMN 1156E and ADMN 1167E (minimum 60% in each) and 18 credits in ADMN, with at least six credits at the upper year level. Cross-coded and cross-listed courses may count towards the minor if they have not been used elsewhere to complete program requirements.

Professional Designations and Accreditation

Accounting

Students interested in pursuing a career in Accounting may work toward any of three designations - Chartered Accountant (CA), Certified Management Accountant (CMA), and Certified General Accountant (CGA). All academic courses required for these designations may be completed at Nipissing University. Grade requirements and averages vary and students should consult specific literature for each designation. Upon graduation with a BBA degree, students will be required to gain practical work experience and successfully complete any other academic requirements of the respective Accounting body.

Chartered Accountant (CA)

Chartered Accountants specialize in Financial Accounting, Auditing and Taxation, and in the provision of management advisory services to their clients. To be considered for the CA program, students must have a university degree and have completed courses specified by the Institute of Chartered Accountants of Ontario.

For complete details contact The Institute of Chartered Accountants of Ontario, 69 Bloor Street East, Toronto, Ontario, M4W 1B3. Telephone 1-800-387-0735. E-mail: eduserv@icao.on.ca. Web site: <http://www.icao.on.ca/>

Certified Management Accountant (CMA)

Management Accountants specialize in the use of accounting information for decision-making purposes. The focus is upon the design and implementation of systems and processes to aid managers in their pursuit of optimal performance for their organizations. Entrance to the CMA program requires a university degree and the completion of courses specified by the Society.

For complete details contact The Society of Management Accountants of Ontario, 70 University Avenue, Suite 300, Toronto, Ontario, M5J 2M4. Telephone (416) 977-7741. E-mail: info@cma-ontario.org. Web site: <http://www.cma-ontario.org>

Certified General Accountant (CGA)

CGAs are unique in that their education and training prepares them for the full spectrum of accounting tasks and responsibilities. As a result, CGAs occupy key accounting and financial management positions in business, industry and government. As well, CGAs in public practice are financial advisors and consultants to thousands of Canadian organizations and individuals, from coast-to-coast. To complete the requirements for the CGA designation, students must successfully complete a number of courses specified by the CGA Association.

For complete details contact the Certified General Accountants Association of Ontario, 240 Eglinton Avenue East, Toronto, Ontario M4P 1K8. Telephone: (416) 322-6520 or (613) 232-5363. Web site: <http://www.cga-ontario.org>

Human Resources Management (CHRM – CHRP)

Students interested in pursuing a career in human resources management may work toward the Human Resources Professionals Association of Ontario (HRPAO) certificate and/or designation while studying at Nipissing.

For complete details contact The Human Resources Professionals Association of Ontario, 2 Bloor Street West, Suite 1902, Toronto, Ontario, M4W 3E2. Telephone (416) 923-2324 or 1-800-387-1311. Web site: <http://www.hrpaoo.org>

Certified Professional Purchasers (CPP) Designation

The Purchasing Management Association of Canada (PMAC) has a university-based accreditation program for business students. Students who wish to obtain their Certified Professional Purchaser (CPP) designation need to fulfill specific course and work experience requirements. Graduates from Nipissing's BBA degree program will be able to obtain advanced standing towards obtaining their CPP designation. After graduation, Nipissing BBA graduates would only need to take a few additional courses and complete the work requirement.

For further information, please contact The Registrar, Purchasing Management Association of Canada, 2 Carlton Street, Suite 1414, Toronto, Ontario, M5B 1J3. Telephone: (416) 977-7111 (ext. 133). Web site: <http://www.pmac.ca>

Business Information Systems

This program is part of the School of Business and Economics.

Undergraduate Degree

- Bachelor of Business Information Systems

Honours Degree - Single Major

To graduate with a Bachelor of Business Information Systems, students must complete 120 credits, including 105 (or 108) core credits as follows:

Year 1

*ADMN 0995E Business Information Systems Practicum	
ADMN 1107E Introductory Financial Accounting II	3 cr.
ADMN 1156E Introductory Professional Skills and Processes	3 cr.
ADMN 1157E Written Business Communication	3 cr.
ADMN 1167E Business Decision Making	3 cr.
COSC 1366E Microcomputer Productivity Tools	3 cr.
COSC 1566E Visual Basic I	3 cr.
COSC 1577E Visual Basic II	3 cr.
COSC 1587E Critical Thinking and Programming Logic	3 cr.
COSC 1656E Microcomputer Operating Systems	3 cr.
COSC 1707E Internet/Intranet and Research Techniques	3 cr.

* For ADMN 0995E students will undertake practical projects related to their study of Business Information Systems. Students are required to document 700 hours of work experience during the program (excluding the 300 hours which are required for ADMN 4995E).

Students must achieve a minimum grade of 60% in at least 18 of the above 30 credits.

Students without any prior background in accounting will be required to take ADMN 1106E: Introductory Financial Accounting I in Year 1 in preparation for ADMN 1107E. Therefore ADMN 1107E may be postponed to Year 2, ADMN 2606E to Year 3 and ADMN 3116E to Year 4.

Year 2

ADMN 1136E Introduction to Organizational Behaviour	3 cr.
ADMN 2606E Business Statistics	3 cr.
ADMN 2607E Business Mathematics	3 cr.
COSC 2276E Database Management Systems I	3 cr.
COSC 2357E VBA Programming	3 cr.
COSC 2477E Database Management Systems II	3 cr.
COSC 2526E Systems Analysis and Design	3 cr.
COSC 2616E Hardware Evaluation and Installation	3 cr.
COSC 2657E Networking I	3 cr.
COSC 3656E Networking II	3 cr.

Year 3

ADMN 2047E Ethical Decision Making and Information Technology	3 cr.
ADMN 2126E Marketing Concepts	3 cr.
ADMN 2127E Marketing for Managers	3 cr.
ADMN 2137E Management of Human Resources	3 cr.

ADMN 3116E Financial Management I	3 cr.
ADMN 3127E Accounting Information Systems	3 cr.
ADMN 3306E Introduction to Small Business Administration	3 cr.

Electives 9 cr.

Year 4

ADMN 4606E Business Strategy and Policy I	3 cr.
ADMN 4896E Current Topics in Administration I	3 cr.
ADMN 4995E Worksite Project	6 cr.
COSC 3076E Practical SQL	3 cr.
COSC 3497E E-commerce	3 cr.
COSC 3607E Operating Systems II	3 cr.
COSC 4907E Current Trends in Information Technology	3 cr.

Electives 6 cr.

1. The 12 credits of electives must include at least six credits from the Humanities and/or Social Sciences.
2. A three-credit elective must be chosen from the following:

COSC 2707E Training Techniques	
COSC 3077E Visual Basic III	
COSC 3317E Java Programming I	
3. All students in this program are required to have/use an appropriately configured notebook computer.

For complete Bachelor of Business Information Systems degree requirements, please refer to that section of the Calendar (see Degree Requirements in the Index).

Classical Studies

Undergraduate Degree

- Bachelor of Arts (3-Year General)

3-Year General Degree - Single Major

Students must complete a minimum of 36 credits in Classical Studies as follows:

*CLAS 1005E Greek and Roman Civilization	6 cr.
CLAS Additional courses	30 cr.

* Students must complete CLAS 1005E with a minimum grade of 60%.

ANTR 2025E, FAVA 1206E, FAVA 1207E, HIST 2055E and PHIL 2305E may be counted towards a major in Classical Studies. A maximum of 12 credits of first year Classical studies and cross-listed courses may be applied to a major.

Students are limited to a maximum of 54 credits in Classical Studies.

Other Course Requirements

Science	6 cr.
Social Sciences	6 cr.
Electives	42 cr.

For complete BA (3-Year General) degree requirements, please refer to that section of the Calendar (see Degree Requirements in the Index).

3-Year General Degree - Combined Major

Students must complete a minimum of 30 credits in Classical Studies and a minimum of 30 credits in another discipline. The second major must include all of the required courses specified for that discipline. The Classical Studies requirements are:

*CLAS 1005E Greek and Roman Civilization	6 cr.
CLAS Additional courses	24 cr.

*Students must complete CLAS 1005E with a minimum grade of 60%.

ANTR 2025E, FAVA 1206E, FAVA 1207E, HIST 2055E and PHIL 2305E may be counted towards a major in Classical Studies. A maximum of 12 credits of first year Classical studies and cross-listed courses may be applied to a major.

Students are limited to a maximum of 54 credits in Classical Studies.

Other Course Requirements

Major 2	30 cr.
Science	6 cr.
Social Sciences	6 cr.
Electives	18 cr.

For complete BA (3-Year General) degree requirements, please refer to that section of the Calendar (see Degree Requirements in the Index).

Minor

A minor in Classical Studies is available to students pursuing a major in another discipline. A minor consists of a minimum of 24 credits in a discipline, with at least six credits at the first year level and at least six credits at the upper year level. Cross-coded and cross-listed courses may count towards a minor if they have not been used elsewhere to complete program requirements. A minimum grade of 60% is required in the introductory course(s) presented for the minor.

Computer Science

Undergraduate Degrees

- Bachelor of Arts (3-Year General)
- Bachelor of Science (3-Year General)
- Bachelor of Science (Honours)

All students in a Computer Science major are required to have/use an appropriately configured notebook computer.

Bachelor of Arts (3-Year General Degree) - Single Major

Students must complete 90 credits including 42 core credits as follows:

All of:

COSC 0997E Computer Science Practicum	0 cr.
*COSC 1557E Introduction to Computer Science	3 cr.
COSC 1567E Programming in C++	3 cr.
COSC 1606E Data Base Applications	3 cr.
COSC 1657E Operating Systems I	3 cr.
COSC 2006E Data Structures I	3 cr.
COSC 2106E Machine Structures I	3 cr.
COSC 3557E Object Oriented Programming	3 cr.
COSC 3606E Database Maintenance	3 cr.
COSC 3997E Computer Science Placement	3 cr.
MATH 1035E Calculus	6 cr.
*MATH 1056E Discrete Mathematics I	3 cr.
MATH 2056E Discrete Mathematics II	3 cr.
ADMN 1157E Written Business Communication	3 cr.

* Students must complete COSC 1557E and MATH 1056E with a minimum grade of 60% in each.

Nine additional COSC credits (with at most three credits at the 1000 level) 9 cr.

Current offerings include:

COSC 1366E Microcomputer Productivity Tools I
COSC 2007E Data Structures II
COSC 2107E Machine Structures II
COSC 2116E Artificial Neural Network Computing
COSC 2206E Mathematical Computation
COSC 2276E Database Management Systems I
COSC 2307E Digital Systems
COSC 2657E Networking I
COSC 3006E Numerical Methods I
COSC 3007E Artificial Intelligence and Robotics
COSC 3207E Computer Graphics
COSC 3656E Networking II
COSC 3706E The Computing Profession
COSC 3807E Project Management

Students are limited to a maximum of 54 credits in Computer Science.

Other Course Requirements

Humanities	6 cr.
Social Sciences	6 cr.
Electives	27 cr.

Recommended Courses

Students planning to seek employment in information technology or related business fields are encouraged to take several Business electives.

For complete BA (3-Year General) degree requirements, please refer to that section of the Calendar (see Degree Requirements in the Index).

Bachelor of Arts (3-Year General Degree) - Combined Major

Students must complete 90 credits including the 42 core credits listed below and a minimum of 30 credits in another discipline (If Mathematics is the second major, please see below.**). The second major must include all of the required courses specified for that discipline.

All of:

COSC 0997E Computer Science Practicum	0 cr.
*COSC 1557E Introduction to Computer Science	3 cr.
COSC 1567E Programming in C++	3 cr.
COSC 1606E Data Base Applications	3 cr.
COSC 1657E Operating Systems I	3 cr.
COSC 2006E Data Structures I	3 cr.
COSC 2106E Machine Structures I	3 cr.
COSC 3557E Object Oriented Programming	3 cr.
COSC 3606E Database Maintenance	3 cr.
COSC 3997E Computer Science Placement	3 cr.
MATH 1035E Calculus	6 cr.
*MATH 1056E Discrete Mathematics I	3 cr.
MATH 2056E Discrete Mathematics II	3 cr.
ADMN 1157E Written Business Communication	3 cr.

*Students must complete COSC 1557E and MATH 1056E with a minimum grade of 60% in each.

Three additional COSC credits at the 2000 or 3000 level 3 cr.

Current offerings include:

COSC 2007E Data Structures II
COSC 2107E Machine Structures II
COSC 2116E Artificial Neural Network Computing
COSC 2206E Mathematical Computation
COSC 2276E Database Management Systems I
COSC 2307E Digital Systems
COSC 2657E Networking I
COSC 3006E Numerical Methods I
COSC 3007E Artificial Intelligence and Robotics
COSC 3207E Computer Graphics
COSC 3656E Networking II
COSC 3706E The Computing Profession
COSC 3807E Project Management

** If Major 2 is Mathematics, students must complete only the balance of Mathematics credits required for the combined major.

Once the Humanities and Social Science requirements are complete, the remaining credits may be electives.

Students are limited to a maximum of 54 credits in Computer Science.

Other Course Requirements

Major 2**	30 cr.
Humanities	6 cr.
Social Science	6 cr.
Electives	3 cr.

Recommended Courses

Students planning to seek employment in information technology or related business fields are encouraged to take several Business electives.

For complete BA (3-Year General) degree requirements, please refer to that section of the Calendar (see Degree Requirements in the Index).

Bachelor of Science (3-Year General Degree) - Single Major

Students must complete 90 credits including 42 core credits as follows:

All of:

COSC 0997E Computer Science Practicum	0 cr.
*COSC 1557E Introduction to Computer Science	3 cr.
COSC 1567E Programming in C++	3 cr.
COSC 1606E Data Base Applications	3 cr.
COSC 1657E Operating Systems I	3 cr.
COSC 2006E Data Structures I	3 cr.
COSC 2106E Machine Structures I	3 cr.
COSC 3557E Object Oriented Programming	3 cr.
COSC 3606E Database Maintenance	3 cr.
COSC 3997E Computer Science Placement	3 cr.
MATH 1035E Calculus	6 cr.
*MATH 1056E Discrete Mathematics I	3 cr.
MATH 2056E Discrete Mathematics II	3 cr.
ADMN 1157E Written Business Communication	3 cr.

*Students must complete COSC 1557E and MATH 1056E with a minimum grade of 60% in each.

Nine additional COSC credits (with at most three credits at the 1000 level) 9 cr.

Current offerings include:

COSC 1366E Microcomputer Productivity Tools I
COSC 2007E Data Structures II
COSC 2107E Machine Structures II
COSC 2116E Artificial Neural Network Computing
COSC 2206E Mathematical Computation
COSC 2276E Database Management Systems I
COSC 2307E Digital Systems
COSC 2657E Networking I
COSC 3006E Numerical Methods I
COSC 3007E Artificial Intelligence and Robotics
COSC 3207E Computer Graphics
COSC 3656E Networking II
COSC 3706E The Computing Profession
COSC 3807E Project Management

Six credits from the following:

BIOL 1006E Introduction to Molecular and Cell Biology
BIOL 1007E Introduction to Organismal and Evolutionary Biology

CHEM 1005E General Chemistry
GEOL 1005E General Geology
PHYS 1005E General Physics

Students are limited to a maximum of 54 credits in Computer Science.

Other Course Requirements

Humanities	6 cr.
Social Sciences	6 cr.
Electives	21 cr.

Recommended Courses

Students planning to seek employment in information technology or related business fields are encouraged to take several Business electives.

For complete BSc (3-Year General) degree requirements, please refer to that section of the Calendar (see Degree Requirements in the Index).

Bachelor of Science (3-Year General Degree) - Combined Major (Computer Science and Mathematics)

Students must complete a minimum 66 credits in Science, including a minimum of 30 credits in each of Mathematics and Computer Science, plus 24 additional credits as outlined below.

All of:

:	
* Core Mathematics Group	27 cr.
MATH Group I, II, or III	3 cr.
COSC 0997E Computer Science Practicum	0 cr.
*COSC 1557E Introduction to Computer Science	3 cr.
COSC 1567E Programming in C++	3 cr.
COSC 1606E Data Base Applications	3 cr.
COSC 1657E Operating Systems I	3 cr.
COSC 2006E Data Structures I	3 cr.
COSC 2106E Machine Structures I	3 cr.
COSC 3557E Object Oriented Programming	3 cr.
COSC 3606E Database Maintenance	3 cr.
COSC 3997E Computer Science Placement	3 cr.
COSC 2000 or 3000 level	3 cr.
ADMN 1157E Written Business Communication	3 cr.

* Students must complete MATH 1035E, MATH 1046E, MATH 1056E and COSC 1557E with a minimum grade of 60% in each.

Six credits of: 6 cr.

BIOL 1006E Introduction to Molecular and Cell Biology
BIOL 1007E Introduction to Organismal and Evolutionary Biology
CHEM 1005E General Chemistry
GEOL 1005E General Geology
PHYS 1005E General Physics

Students are limited to a maximum of 54 credits in a single discipline.

Other Course Requirements

Humanities	6 cr.
Social Sciences	6 cr.
Electives	9 cr.

For complete BSc(3-Year General) degree requirements, please refer to that section of the Calendar (see Degree Requirements in the Index).

Recommended Courses

Students planning to seek employment in information technology or related business fields are encouraged to take several Business electives.

For complete BSc (3-Year General) degree requirements, please refer to that section of the Calendar (see Degree Requirements in the Index).

Bachelor of Science (Honours Degree) - Single Major

Student must complete 120 credits including 66 core credits as follows

All of:

COSC 0997E Computer Science Practicum	0 cr.
*COSC 1557E Introduction to Computer Science	3 cr.
COSC 1567E Programming in C++	3 cr.
COSC 1657E Operating Systems I	3 cr.
COSC 2006E Data Structures I	3 cr.
COSC 2106E Machine Structures I	3 cr.
COSC 2657E Networking I	3 cr.
COSC 3306E Programming Paradigms	3 cr.
COSC 3557E Object Oriented Programming	3 cr.
COSC 3656E Networking II	3 cr.
COSC 3997E Computer Science Practicum	3 cr.
COSC 4206E Topics in Computing Science	3 cr.
COSC 4207E Seminars in Computer Science	3 cr.
COSC 4406E Software Engineering	3 cr.
COSC 4996E Computer Science Placement I	3 cr.
COSC 4997E Computer Science Placement II	3 cr.
MATH 1035E Calculus	6 cr.
MATH 1046E Introductory Linear Algebra	3 cr.
*MATH 1056E Discrete Mathematics I	3 cr.
MATH 2046E Advanced Linear Algebra I	3 cr.
MATH 2056E Discrete Mathematics II	3 cr.
ADMIN 1157E Written Business Communication	3 cr.

*Students must complete COSC 1557E and MATH 1056E with minimum grade of 60%

21 additional COSC credits (with at most three credits at the 1000 level) 21 cr.

Current offerings include:

COSC 1366E Microcomputer Productivity Tools
COSC 2007E Data Structures II
COSC 2107E Machine Structures II
COSC 2116E Artificial Neural Networks Computing
COSC 2206E Mathematical Computing
COSC 2276E Database Management Systems
COSC 2307E Digital Systems
COSC 3006E Numerical Methods I
COSC 3007E Artificial Intelligence
COSC 3206E Theory of Computing
COSC 3207E Computer Graphics
COSC 3307E 3D Computer Graphics
COSC 3706E The Computing Profession
COSC 3807E Project Management
COSC 4107E Interfacing and Communication
COSC 4127E Real-time Programming

COSC 4306E Database and Information Retrieval
COSC 4607E Security and Protection

Six credits from the following: 6 cr.

CHEM 1005E General Chemistry
PHYS 1005E General Physics

Students are limited to a maximum of 84 credits in Computer Science.

Other Course Requirements

Humanities 6 cr.
Social Sciences 6 cr.
Electives 15 cr.

Recommended Courses

Students planning to seek employment in information technology or related business field are encouraged to take several Business electives including:

ADMN 1136E Introduction to Organizational Behaviour 3 cr.
ADMN 1156E Introductory Professional Skills and Processes 3 cr.
ADMN 2137E Management of Human Resources 3 cr.

Other computer-related courses

PSYC 3266E Computer Methods in Psychology 3 cr.
PSYC 3356E Design and Analysis I 3 cr.

For complete BSc (Honours) degree requirements, please refer to that section of the Calendar (see Degree Requirements in the Index).

Minor

A minor in Computer Science is available to students pursuing a major in another discipline. A minor consists of a minimum of 24 credits in a discipline. In Computer Science, the minor must consist of six credits at the first year level and 18 credits at the upper year level. Cross-coded and cross-listed courses may count towards a minor if they have not been used elsewhere to complete program requirements. A minimum grade of 60% is required in the introductory course(s) presented for the minor.

Criminal Justice

Undergraduate Degree

- Bachelor of Arts (Honours)

Honours Degree - Single Major

Students must complete the following courses:

*SOCI 1015E Understanding Sociology	6 cr.
SOCI 2015E Classical Sociological Theory	6 cr.
SOCI 2086E Crime and Punishment I	3 cr.
SOCI 2087E Crime and Punishment II	3 cr.
*SOCI 3125E Research Methods and Data Analysis	6 cr.
SOCI 3085E Sociology of Law	6 cr.
JURI 2206E An Introduction to Canadian Law	3 cr.
JURI 3306E Legal Rights and Criminal Proceedings	3 cr.
SOCI 4467E Contemporary Research and Theory in Criminology	3 cr.
SOCI 4476E Senior Seminar in Criminal Justice Topics	3 cr.

* Students must complete SOCI 1015E and SOCI 3125E with a minimum grade of 60% in each. Students will be required to maintain a minimum overall average of 75% in their first year (30 credits) to proceed to second year in the program.

Students in the Criminal Justice major must complete 30 credits in one of the following streams in addition to the required courses listed above.

Administration and Social Policy Stream 30 cr.

Students must complete 30 credits from the following:

ADMN 1156E Introductory Professional Skills and Processes
ADMN 1106E Introductory Financial Accounting
ADMN 1136E Introduction to Organizational Behaviour
ADMN 2117E Industrial Relations
ADMN 2137E Management of Human Resources
ADMN 3147E Occupational Health & Safety
ADMN 3506E Management of Not-for-Profit Organizations
ADMN 3836E Training & Development
ADMN 3837E Organizational Development and Change
ADMN 4126E Management Skills
ADMN 4606E Business Strategy and Policy I
ADMN 4607E Business Strategy and Policy II
SWLF 1005E Introduction to Social Welfare
SWLF 2105E Social Welfare as a Social Institution
SWLF 3105E Social Policy
SWLF 3705E Law and Social Welfare
SWLF 3805E Abuse and Violence within the Family

Corrections Stream * 30 cr.

Students must complete all of the following:

Correctional Programming I & II
 Correctional Administration I & II
 Group Dynamics II - Practice
 First Nations / Diverse Client Groups
 Young Offender System
 Abnormal Psychology

Introduction to Counselling & Interviewing
 Principles of Community Re-Integration
 Field Workshops/Practicum
 Field Placement

Criminology Stream 30 cr.

Students must complete 30 credits from the following:

SOCI 2035E Sociology of the Family
SOCI 2506E Social Problems
SOCI 3027E Interpersonal Communication
SOCI 3205E Social Demography
SOCI 4015E Advanced Sociological Theories
SOCI 4025E Advanced Research Methods
SOCI 4095E Research Essay
SOCI 4126E Survey Research
SOCI 4127E Multivariate Statistics
SOCI 4466E Program and Policy Evaluation

Two additional courses, Program and Policy Evaluation and Justice and Community Action, are currently under development.

Policing Stream * 30 cr.

Students must complete all of the following:

Principles of Ethical Reasoning
 Criminal Code I & II
 First Nations / Diverse Client Groups
 Young Offender System
 Police Powers I & II
 Community Policing
 Traffic Management
 Interviewing & Investigations I & II
 Provincial Offences

* The courses in the Corrections and Policing Streams are offered in collaboration with Canadore College.

Students are limited to a maximum of 84 credits in a single discipline.

Other Course Requirements

Humanities	6 cr.
Science	6 cr.
Electives	36 cr.

It is recommended that students in this program take ENGL 1501E Language and Written Communication.

For complete BA (Honours) degree requirements, please refer to that section of the Calendar (see Degree Requirements in the Index).

Economics

This program is part of the School of Business and Economics.

Undergraduate Degree

- Bachelor of Arts (3-Year General)

3-Year General Degree – Single Major

Students must complete a minimum of 36 credits in Economics as follows:

*ECON 1006E	Introduction to Economics I	3 cr.
*ECON 1007E	Introduction to Economics II	3 cr.
ECON 2006E	Intermediate Microeconomic Theory	3 cr.
ECON 2007E	Labour Economics	3 cr.
ECON 2016E	Intermediate Macroeconomic Theory	3 cr.
ECON 2017E	Money, Banking and the Canadian Financial System	3 cr.
ECON	upper level	18 cr.

*Students must complete ECON 1006E and ECON 1007E with a minimum grade of 60% in each.

Students are limited to a maximum of 54 credits in Economics.

Other Course Requirements

Humanities	6 cr.
Science	6 cr.
Electives	42 cr.

For complete BA (3-Year General) degree requirements, please refer to that section of the Calendar (see Degree Requirements in the Index).

3-Year General Degree – Combined Major

Students must complete a minimum of 30 credits in Economics and a minimum of 30 credits in another discipline. The second major must include all of the required courses specified for that discipline. The Economics requirements are:

*ECON 1006E	Introduction to Economics I	3 cr.
*ECON 1007E	Introduction to Economics II	3 cr.
ECON 2006E	Intermediate Microeconomic Theory	3 cr.
ECON 2007E	Labour Economics	3 cr.
ECON 2016E	Intermediate Macroeconomic Theory	3 cr.
ECON 2017E	Money, Banking and the Canadian Financial System	3 cr.
ECON	upper level	12 cr.

*Students must complete ECON 1006E and ECON 1007E with a minimum grade of 60% in each.

Students are limited to a maximum of 54 credits in Economics.

Other Course Requirements

Major 2	30 cr.
Humanities	6 cr.
Science	6 cr.
Electives	18 cr.

For complete BA (3-Year General) degree requirements, please refer to that section of the Calendar (see Degree Requirements in the Index).

Minor

A minor in Economics is available to students pursuing a major in another discipline. A minor consists of a minimum of 24 credits in a discipline, with at least six credits at the first year level and at least six credits at the upper year level. Cross-coded and cross-listed courses may count towards a minor if they have not been used elsewhere to complete program requirements. A minimum grade of 60% is required in the introductory course(s) presented for the minor.

English Studies

Undergraduate Degrees

- Bachelor of Arts (3-Year General)
- Bachelor of Arts (Honours)

3-Year General Degree – Single Major

Students must complete a minimum of 36 credits in English.

*ENGL 1105E Introduction to English Studies	6 cr.
*ENGL 2005E British Literature from the Medieval to the Modern Period	6 cr.
ENGL upper level	24 cr.

*Students must complete ENGL 1105E and ENGL 2005E with a minimum grade of 60%.

At least 12 credits must be chosen from groups 1-4 in the Honours degree.

Students are limited to a maximum of 54 credits in English.

Other Course Requirements

Science	6 cr.
Social Sciences	6 cr.
Electives	42 cr.

For complete BA (3-Year General) degree requirements, please refer to that section of the Calendar (see Degree Requirements in the Index).

3-Year General Degree – Combined Major

Students must complete a minimum of 30 credits in English and a minimum of 30 credits in another discipline. The second major must include all of the required courses specified for that discipline. The English requirements are:

*ENGL 1105E Introduction to English Studies	6 cr.
*ENGL 2005E British Literature from the Medieval to the Modern Period	6 cr.
ENGL upper level	18 cr.

*Students must complete ENGL 1105E and ENGL 2005E with a minimum grade of 60%.

At least six credits must be chosen from groups 1-4 in the Honours degree.

Students are limited to a maximum of 54 credits in English.

Other Course Requirements

Major 2	30 cr.
Science	6 cr.
Social Sciences	6 cr.
Electives	18 cr.

For complete BA (3-Year General) degree requirements, please refer to that section of the Calendar (see Degree Requirements in the Index).

Honours Degree – Single Major

Students must complete a minimum of 66 credits in English as follows:

*ENGL 1105E Introduction to English Studies	6 cr.
*ENGL 2005E British Literature from the Medieval to the Modern Period	6 cr.

Students must complete ENGL 1105E with a minimum grade of 60% and ENGL 2005E with a minimum grade of 65%.

Students moving from second year to third year, or third year to fourth year, must have an overall average of 70%. Students who obtain an overall average below 68% will be required to withdraw from the Honours program. Students with an overall average between 68% and 70% will be placed on academic probation.

Group 1 Medieval and Early Modern Literature: 12 cr.

ENGL 2535E Studies in Shakespeare
ENGL 3045E Studies in Early Modern Literature
ENGL 3465E Studies in Drama to 1642
ENGL 3505E Studies in Chaucer

Group 2 Eighteenth and Nineteenth Century Literature: 12 cr.

ENGL 3095E Studies in Eighteenth-Century Literature
ENGL 3136E Studies in Nineteenth-Century Literature I
ENGL 3137E Studies in Nineteenth-Century Literature II
ENGL 3406E Studies in the Eighteenth-Century Novel
ENGL 3407E Studies in the Nineteenth-Century Novel

Group 3 Canadian Literature: 6 cr.

ENGL 2255E Canadian Literature from the Colonial to the Contemporary Period
ENGL 2275E Studies in the Native Literatures of North America
ENGL 3255E Themes in Canadian Literature or
ENGL 3256E Themes in Canadian Literature I and
ENGL 3257E Themes in Canadian Literature II

Group 4 Senior Seminars: 12 cr.

Either
ENGL 4605E History and Theory of Literary Criticism

or
Two of:
ENGL 4606E Studies in Literary Theory and Criticism I
ENGL 4607E Studies in Literary Theory and Criticism II
ENGL 4616E Studies in Literary Theory and Criticism III
ENGL 4617E Studies in Literary Theory and Criticism IV

And
Two of:
ENGL 4686E Honours Seminar I
ENGL 4687E Honours Seminar II
ENGL 4786E Honours Seminar III
ENGL 4787E Honours Seminar IV

Group 5

12 cr.

Program Options:

ENGL 2000, 3000 or 4000 level courses listed above or any of the following that have not already been used to satisfy Group 1-4 requirements:

- ENGL 2015E Theatre Production: Practice and Theory
- ENGL 2115E Studies in Literature and the Bible
- ENGL 2265E American Literature from the Colonial to the Contemporary Period
- ENGL 2445E Studies in Children's Literature
- ENGL 3146E Studies in Postcolonial Literature I
- ENGL 3147E Studies in Postcolonial Literature II
- ENGL 3175E Studies in Twentieth-Century Literature
- *ENGL 3206E Special Topics in Women's Literature I
- *ENGL 3207E Special Topics in Women's Literature II
- *ENGL 3265E Themes in American Literature
- *ENGL 3426E Studies in the Twentieth-Century Novel I
- *ENGL 3427E Studies in the Twentieth-Century Novel II
- ENGL 3475E Studies in Modern Drama
- ENGL 3515E Creative Writing
- ENGL 3516E Creative Writing: Poetry
- ENGL 3517E Creative Writing: Prose Fiction
- *ENGL 4695E Honours Essay

* Since the content of those courses marked with an asterisk may change from year to year, students should check the current grouping designation for each in the course descriptions.

Students are limited to a maximum of 84 credits in English.

Other Course Requirements

Social Sciences	6 cr.
Science	6 cr.
Electives	42 cr.

For complete BA (Honours) degree requirements, please refer to that section of the Calendar (see Degree Requirements in the Index).

Honours Degree – Combined Major

Students must complete a minimum of 42 credits in English and a minimum of 42 credits in another discipline. The second major must include all of the required courses specified for that discipline. The English requirements are as follows:

*ENGL 1105E Introduction to English Studies	6 cr.
*ENGL 2005E British Literature from the Medieval to the Modern Period	6 cr.
Group 1	6 cr.
Group 2	6 cr.
Group 3	6 cr.
Group 4	6 cr.
Group 5	6 cr.

*Students must complete ENGL 1105E with a minimum grade of 60% and ENGL 2005E with a minimum grade of 65%.

Students moving from second year to third year, or third year to fourth year, must have an overall average of 70%. Students who obtain an overall average below 68% will be required to withdraw from the Honours program. Students with an overall average between 68% and 70% will be placed on academic probation.

Students are limited to a maximum of 84 credits in English.

Other Course Requirements

Major 2	42 cr.
Social Sciences	6 cr.
Science	6 cr.
Electives	24 cr.

For complete BA (Honours) degree requirements, please refer to that section of the Calendar (see Degree Requirements in the Index).

Minor

A minor in English Studies is available to students pursuing a major in another discipline. A minor consists of a minimum of 24 credits in a discipline, with at least six credits at the first year level and at least six credits at the upper year level. Cross-coded and cross-listed courses may count towards a minor if they have not been used elsewhere to complete program requirements. A minimum grade of 60% is required in the introductory course(s) presented for the minor. Only English literature courses will be counted in the minor.

Environmental Biology and Technology

Undergraduate Degree

- Bachelor of Science (Honours)

Honours Degree - Single Major

Students must complete 120 credits, including 102 core credits as follows:

Year 1

*BIOL 1006E	Introduction to Molecular and Cell Biology	3 cr.
*BIOL 1007E	Introduction to Organismal and Evolutionary Biology	3 cr.
CHEM 1005E	General Chemistry	6 cr.
*ENSC 1005E	Introduction to Environmental Science	6 cr.
GEOG 1017E	Introduction to Physical Geography	3 cr.
MATH 1257E	Technical Statistics	3 cr.
Electives		6 cr.

*Students must complete BIOL 1006E, BIOL 1007E and ENSC 1005E with a minimum grade of 60% in each.

Year 2

BIOL 1216E	Environmental Microbiology I	3 cr.
BIOL 2207E	Environmental Microbiology II	3 cr.
BIOL 2446E	Principles of Ecology	3 cr.
CHEM 2046E	Environmental Analytical Chemistry	3 cr.
ENSC 2036E	Environmental Monitoring	3 cr.
ENSC 2107E	Limnology (BIOL 2107E)	3 cr.
ENSC 2156E	Environmental Technology	3 cr.
ENSC 2306E	Occupational Health and Safety	3 cr.
ENSC 2407E	Environmental Toxicology (BIOL 2407E)	3 cr.
JURI 2436E	Environmental Law	3 cr.

Year 3

BIOL 2337E	Biology of Seed Plants	3 cr.
BIOL 2836E	Invertebrate Zoology or	
BIOL 2837E	Vertebrate Zoology	3 cr.
Program Options	Group I (3000 level)	9 cr.
Program Options	Group I or Group II	9 cr.
Electives		6 cr.

Year 4

BIOL 4995E	Thesis	6 cr.
Program Options	Group I (3000 or 4000 level)	9 cr.
Program Options	Group I or Group II	9 cr.
Electives		6 cr.

Program Options - Group I

This Group includes any BIOL or ENSC course not specified above.

Program Options - Group II

This Group includes any CHEM course or GEOG course in the Physical or Technique areas not specified above.

1. The 18 credits of Electives must include at least six credits from the Humanities and/or Social Sciences (excluding GEOG and JURI).
2. Many courses in this program require the use of computers. Students with little or no computer background are therefore strongly encouraged to include an appropriate Computer Science course in their Electives in first year.
3. Students planning to apply to graduate studies are advised to include Physics or additional Mathematics and/or Computer Science courses among their 18 credits of Electives.
4. The 36 credits of Program Options must be chosen from the appropriate groups (Group I or Group II) (with at least 18 credits chosen at the 3000 or 4000 level).

For complete BSc (Honours) degree requirements, please refer to that section of the Calendar (see Degree Requirements in the Index).

Environmental Geography

The Environmental Geography program is an interdisciplinary course of studies focusing on various aspects of the environment. Individual courses will examine topics of environmental concern such as changing climates, environmental pollution, evaluation and utilization of our resource base, landscape analysis, ecological issues, and the application of these topics within both urban and rural settings. The study of such topics will provide students with a broad understanding of the environment, its problems, and alternative solutions.

Courses in Geography are selected to provide a basic understanding of the physical and human aspects of the environment. Environmental Science courses will integrate and apply ecological concepts to contemporary issues and problems. Other science-related courses may be chosen by students to complement the existing program.

Undergraduate Degrees

- Bachelor of Arts (3-Year General)
- Bachelor of Arts (Honours)

3-Year General Degree – Single Major

Students must complete a minimum of 60 credits in Geography, Environmental Science and Biology as follows:

All of:

- *ENSC 1005E Introduction to Environmental Science 6 cr.
- *GEOG 1016E Introduction to Human Geography 3 cr.
- *GEOG 1017E Introduction to Physical Geography 3 cr.

*Students must complete ENSC 1005E, GEOG 1016E and GEOG 1017E with a minimum grade of 60% in each.

Twenty-four credits from the following: 24 cr.

- ENSC 2006E Topics in Environmental Science I
- ENSC 2007E Topics in Environmental Science II
- GEOG 2105E Geomorphology
- GEOG 3105E Climatology
- GEOG 3115E Biogeography
- GEOG 3205E Urban Geography

Six regional geography credits from the following: 6 cr.

- GEOG 2405E A Geography of Canada
- GEOG 2505E A Geography of the United States
- GEOG 2705E Russia, the Eurasian Republics and Eastern Europe

Six regional geography credits from the following: 6 cr.

- GEOG 3495E Northern Development
- GEOG 3605E A Regional Geography of the European Common Market Countries
- GEOG 3646E The Arab World
- GEOG 3647E Regional Geography of South Asia
- GEOG 3825E Geography of the Developing Countries

GEOG 2000 or 3000 level 6 cr.

Six credits from the following: 6 cr.

- BIOL 1006E Introduction to Molecular and Cell Biology
- BIOL 2337E The Biology of Seed Plants
- BIOL 2446E Principles of Ecology
- BIOL 2837E Vertebrate Zoology
- BIOL 3397E Introductory Soil Science
- ENSC 3006E Environmental Interpretation and Communication
- ENSC 3007E Environmental Issues in Forestry
- GEOG 4127E Lake and Wetland Environments

Recommended courses:

- GEOG 2016E Field and Laboratory Techniques
- GEOG 2017E Cartography
- GEOL 1005E General Geology

Students are limited to a maximum of 54 credits in Geography.

Other Course Requirements

- Humanities 6 cr.
- Electives 24 cr.

For complete BA (3-Year General) degree requirements, please refer to that section of the Calendar (see Degree Requirements in the Index).

Honours Degree – Single Major

Students must complete 84 credits in Geography, Environmental Science and Biology as follows. (Students may take 4th year courses in 3rd year with permission of the instructor.)

All of:

- *ENSC 1005E Introduction to Environmental Science 6 cr.
- *GEOG 1016E Introduction to Human Geography 3 cr.
- *GEOG 1017E Introduction to Physical Geography 3 cr.
- ENSC 2006E Topics in Environmental Science I 3 cr.
- ENSC 2007E Topics in Environmental Science II 3 cr.
- GEOG 2105E Geomorphology 6 cr.

*Students must complete ENSC 1005E, GEOG 1016E and GEOG 1017E with a minimum grade of 60% in each.

Twelve credits from the following: 12 cr.

- GEOG 2016E Field and Laboratory Techniques
- GEOG 2017E Cartography
- GEOG 2026E Introduction to Quantitative Methods
- GEOG 3036E Air Photo Interpretation
- GEOG 3056E Introduction to GIS

Six regional credits from the following: 6 cr.

- GEOG 2405E A Geography of Canada
- GEOG 2505E A Geography of the United States
- GEOG 2705E Russia, The Eurasian Republics and Eastern Europe

Twelve systematic credits from the following: 12 cr.

- GEOG 3105E Climatology
- GEOG 3115E Biogeography
- GEOG 3205E Urban Geography

Six regional credits from the following: 6 cr.

- GEOG 3495E Northern Development
 GEOG 3605E A Regional Geography of the European
 Common Market Countries
 GEOG 3646E The Arab World
 GEOG 3647E Regional Geography of South Asia
 GEOG 3825E Geography of the Developing Countries

Six credits from the following: 6 cr.

- BIOL 1006E Introduction to Molecular and Cell Biology
 BIOL 2337E The Biology of Seed Plants
 BIOL 2446E Principles of Ecology
 BIOL 2837E Vertebrate Zoology
 BIOL 3397E Introductory Soil Science
 ENSC 3006E Environmental Interpretation and
 Communication
 ENSC 3007E Environmental Issues in Forestry
 GEOG 4127E Lake and Wetland Environments

Eighteen credits from the following: 18 cr.

- GEOG 4037E Remote Sensing of the Environment
 GEOG 4057E Topics in GIS Applications
 GEOG 4106E Applied Geomorphology
 GEOG 4107E Land Resources and Their Assessment
 GEOG 4116E Pleistocene and Glacial Geomorphology
 GEOG 4126E Applied Hydrology for Environmental
 Planning
 GEOG 4136E Applied Climatology
 GEOG 4137E Paleoclimatology and Climatic Change
 GEOG 4216E World Population Growth
 GEOG 4217E International Environmental Standards for
 Use by Industry
 GEOG 4806E Natural Resource Development in Regional
 Planning
 GEOG 4807E Natural Resource Management
 GEOG 4816E Urban Land Use Planning Theory
 GEOG 4817E Urban Land Use Planning in Canada
 GEOG 4976E Field Camp
 GEOG 4985E Directed Studies
 GEOG 4995E Senior Seminar and Thesis

Students must be entering 4th year with a minimum 70% average in their major courses to enrol in GEOG 4985E or GEOG 4995E. Students may not retain credit for both GEOG 4985E and GEOG 4995E.

Recommended Course:

- GEOL 1005E General Geology

Students are limited to a maximum of 84 credits in Geography.

Other Course Requirements

- Humanities 6 cr.
 Electives 30 cr.

For complete BA (Honours) degree requirements, please refer to that section of the Calendar (see Degree Requirements in the Index).

Environmental Science and Physical Geography

The Bachelor of Science degree in Environmental Science and Physical Geography provides students with a strong background in Physical and Environmental Geography courses along with an appropriate number of Science courses beneficial for future careers as Environmental Scientists.

Undergraduate Degree

- Bachelor of Science (Honours)

Honours Degree -- Single Major

Students must complete a minimum of 60 credits in Geography and 48 credits in Science as follows. (Students may take 4th year courses in 3rd year with permission of the instructor.)

All of:

- | | | |
|-------------|---------------------------------------|-------|
| CHEM 1005E | General Chemistry | 6 cr. |
| *ENSC 1005E | Introduction to Environmental Science | 6 cr. |
| *GEOG 1016E | Introduction to Human Geography | 3 cr. |
| *GEOG 1017E | Introduction to Physical Geography | 3 cr. |
| *GEOL 1005E | General Geology | 6 cr. |
| BIOL 3397E | Introductory Soil Science | 3 cr. |
| ENSC 2006E | Topics in Environmental Science I | 3 cr. |
| ENSC 2007E | Topics in Environmental Science II | 3 cr. |
| GEOG 2105E | Geomorphology | 6 cr. |
| GEOG 3105E | Climatology | 6 cr. |
| GEOG 3115E | Biogeography | 6 cr. |

*Students must complete ENSC 1005E, GEOG 1016E and GEOG 1017E with a minimum grade of 60% in each.

Twelve credits of first year science from the following: 12 cr.

- | | | |
|------------|---|--|
| BIOL 1006E | Introduction to Molecular and Cell Biology | |
| BIOL 1007E | Introduction to Organismal and Evolutionary Biology | |
| COSC 1606E | Data Base Applications | |
| COSC 1607E | Spreadsheet Applications | |
| COSC 1901E | Introduction to Computer Applications I | |
| COSC 1902E | Introduction to Computer Applications II | |
| MATH 1035E | Calculus | |
| MATH 1046E | Introductory Linear Algebra | |
| MATH 1056E | Discrete Mathematics I | |
| PHYS 1005E | General Physics | |

Nine credits from the following: 9 cr.

- | | |
|------------|--|
| BIOL 2337E | The Biology of Seed Plants |
| BIOL 2446E | Principles of Ecology |
| BIOL 2837E | Vertebrate Zoology |
| ENSC 3006E | Environmental Interpretation and Communication |
| ENSC 3007E | Environmental Issues in Forestry |
| GEOG 4127E | Lake and Wetland Environments |
| GEOL 2021E | Geology of Earth Resources |
| GEOL 2022E | Natural Disasters |

Six credits of Regional Geography
Twelve systematic technique credits from the following:

6 cr.

GEOG 2016E Field and Laboratory Techniques
 GEOG 2017E Cartography
 GEOG 2026E Introduction to Quantitative Methods
 GEOG 3036E Air Photo Interpretation
 GEOG 3056E Introduction to GIS

Eighteen credits from the following approved fourth year Geography courses:

18 cr.

GEOG 4037E Remote Sensing of the Environment
 GEOG 4057E Topics in GIS Applications
 GEOG 4106E Applied Geomorphology
 GEOG 4107E Land Resources and Their Assessment
 GEOG 4116E Pleistocene and Glacial Geomorphology
 GEOG 4126E Applied Hydrology for Environmental Planning
 GEOG 4136E Applied Climatology
 GEOG 4137E Paleoclimatology and Climatic Change
 GEOG 4217E International Environmental Standards for Use by Industry
 GEOG 4806E Natural Resource Development in Regional Planning
 GEOG 4807E Natural Resource Management
 GEOG 4816E Urban Land Use Planning Theory
 GEOG 4817E Urban Land Use Planning in Canada
 GEOG 4976E Field Camp
 GEOG 4985E Directed Studies
 GEOG 4995E Senior Seminar and Thesis

Students must be entering fourth year with a minimum 70% overall average to enrol in GEOG 4985E or GEOG 4995E. Students may not retain credit for both GEOG 4985E and GEOG 4995E.

Other Course Requirements

Humanities 6 cr.
 Social Science or Business (excluding physical geography) 6 cr.

For complete BSc degree requirements, please refer to that section of the Calendar (see Degree Requirements in the Index).

Fine Arts

Undergraduate Degree

Bachelor of Arts (3-Year General)

- 3-Year General Degree -- Single Major

Students must complete a minimum of 36 credits in Fine Arts as follows:

*FAVA 1026E Art Fundamentals I	3 cr.
*FAVA 1027E Art Fundamentals II	3 cr.
*FAVA 1206E Art History I	3 cr.
*FAVA 1207E Art History II	3 cr.
FAVA 2006E Drawing I	3 cr.
FAVA 2007E Drawing II	3 cr.
FAVA 2026E Painting I	3 cr.
FAVA 2027E Painting II	3 cr.
FAVA 3086E Life Drawing I	3 cr.
FAVA 3087E Life Drawing II	3 cr.
FAVA 3376E Canadian Art History I	3 cr.
FAVA 3377E Canadian Art History II	3 cr.

*Students must complete FAVA 1026E, FAVA 1027E, FAVA 1206E and FAVA 1207E with a minimum grade of 60%.

Students are limited to a maximum of 54 credits in Fine Arts.

Other Course Requirements

Science	6 cr.
Social Science	6 cr.
Electives	42 cr.

For complete BA (3-Year General) degree requirements, please refer to that section of the Calendar (see Degree Requirements in the Index).

3-Year General Degree - Combined Major

Students must complete a minimum of 30 credits in Fine Arts and a minimum of 30 credits in another discipline. The second major must include all of the required courses specified for that discipline. The Fine Arts requirements are:

*FAVA 1026E Art Fundamentals I	3 cr.
*FAVA 1027E Art Fundamentals II	3 cr.
*FAVA 1206E Art History I	3 cr.
*FAVA 1207E Art History II	3 cr.
FAVA 2006E Drawing I	3 cr.
FAVA 2007E Drawing II	3 cr.
FAVA 2026E Painting I	3 cr.
FAVA 2027E Painting II	3 cr.
FAVA 3086E Life Drawing I	3 cr.
FAVA 3087E Life Drawing II	3 cr.

*Students must complete FAVA 1026E, FAVA 1027E, FAVA 1206E and FAVA 1207E with a minimum grade of 60%.

Students are limited to a maximum of 54 credits in Fine Arts.

Other Course Requirements

Major 2	30 cr.
Science	6 cr.

Social Science	6 cr.
Electives	18 cr.

For complete BA (3-Year General) degree requirements, please refer to that section of the Calendar (see Bachelor of Arts (3-Year General) in the Index.)

Minor

A minor in Fine Arts is available to students pursuing a major in another discipline. A minor consists of a minimum of 24 credits in a discipline, with at least six credits at the first year level and at least six credits at the upper year level. Cross-coded and cross-listed courses may count towards a minor if they have not been used elsewhere to complete program requirements. A minimum grade of 60% is required in the introductory course(s) presented for the minor.

Français

As of the date of publication of the Calendar, the major in Français was unavailable.

Undergraduate Degree

- Bachelor of Arts (3-Year General)

3-Year General Degree – Single Major

These courses are open to both Anglophone and Francophone students. Students planning to pursue a major in French literature must discuss their programs with an Academic Advisor.

Students must complete a minimum of 33 credits in Français and three credits in French linguistics as follows:

Six credits from the following: 6 cr.

*FRAN 1105F Histoire générale des littératures et des cultures d'expression française

*FRAN 1406F Initiation à la littérature I

*FRAN 1407F Initiation à la littérature II

French literature	12 cr.
French-Canadian literature	9 cr.
Introductory French linguistics	3 cr.
FRAN upper level literature	6 cr.

*Students must complete FRAN 1105F or FRAN 1406F and FRAN 1407F with a minimum grade of 60% in each.

Students are limited to a maximum of 54 credits in Français.

Other Course Requirements

Social Sciences	6 cr.
Science	6 cr.
Electives	42 cr.

For complete BA (3-Year General) degree requirements, please refer to that section of the Calendar (see Degree Requirements in the Index).

Gender Equality and Social Justice

Undergraduate Degree

- Bachelor of Arts (3-Year General)
- Bachelor of Arts (Honours) - Combined Major

3-Year General Degree – Single Major

Students must complete 36 credits in the major as follows:

*GEND 1025E Introduction to Gender Equality and Social Justice 6 cr.

Six credits from the following: 6 cr.

- GEND 2055E Women and Diversity
- GEND 2156E Gender and the Law I
- GEND 2157E Gender and the Law II
- GEND 2166E Women, Media and Representation
- GEND 2217E Gender and the Media: Themes and Controversies
- GEND 2226E The Inquisition and the European Witch Craze

Six credits from the following: 6 cr.

- GEND 3007E Feminist Theories and Perspectives
- GEND 3116E Women and Religion
- GEND 3117E Gender and the Bible
- GEND 3206E Power, Oppression and Human Rights
- GEND 3306E Perspectives on Power and Equality

GEND 2000 or 3000 level not used to satisfy the above requirements or any courses cross-listed with Gender Equality and Social Justice: 18 cr.

- ADMN 3307E Gender and Diversity in Organizations
- CLAS 3095E Women in Classical Antiquity
- ENGL 3206E Special Topics in Women's Literature I
- ENGL 3207E Special Topics in Women's Literature II
- FILM 2305E Women in Cinema
- FRAN 3725F Femmes et littératures canadiennes-françaises au xxe siècle
- GEND 2045E Women and Art History
- GEND 2206E Sex, Body, and Identity I
- GEND 2207E Sex, Body, and Identity II
- GEND 2216E Gender, Culture and Textiles
- GEND 2306E Art and Social Justice
- GEND 3055E Special Topics in Women's Studies
- GEND 3056E Topics in Gender Relations
- GEND 3126E Sex and the History of Medicine and Psychiatry
- GEND 3127E Gender, Globalization and Human Rights
- HIST 2236E Selected Topics in Women's History
- HIST 2237E A History of the Women's Movement
- HIST 3355E History of Women in Canada
- PHIL 2606E Gender and Philosophy I
- PHIL 2607E Gender and Philosophy II
- PHIL 3205E Philosophy of Sex and Love
- POLI 3535E Women and Politics in Canada
- SOCI 3246E Gender and International Development
- SWLF 3445E Women and Social Welfare
- SWLF 3805E Abuse and Violence Within the Family

Cross-listed courses may also require prerequisites in the disciplines concerned.

*Students must complete GEND 1025E with a minimum grade of 60%.

Students are limited to a maximum of 54 credits in Gender Equality and Social Justice.

Other Course Requirements

Humanities	6 cr.
Science	6 cr.
Electives	42 cr.

For complete BA (3-Year General) degree requirements, please refer to that section of the Calendar (see Degree Requirements in the Index).

3-Year General Degree - Combined Major

Students must complete a minimum of 30 credits in Gender Equality and Social Justice and a minimum of 30 credits in another discipline. The second major must include all of the required courses specified for that discipline. The Gender Equality and Social Justice requirements are:

*GEND 1025E Introduction to Gender Equality and Social Justice 6 cr.

Six credits from the following: 6 cr.

- GEND 2055E Women and Diversity
- GEND 2156E Gender and the Law I
- GEND 2157E Gender and the Law II
- GEND 2166E Women, Media and Representation
- GEND 2217E Gender and the Media: Themes and Controversies
- GEND 2226E The Inquisition and the European Witch Craze

Six credits from the following: 6 cr.

- GEND 3007E Feminist Theories and Perspectives
- GEND 3116E Women and Religion
- GEND 3117E Gender and the Bible
- GEND 3306E Perspectives on Power and Equality
- GEND 3206E Power, Oppression and Human Rights

GEND 2000 or 3000 level not used to satisfy the above requirements or any courses cross-listed with Gender Equality and Social Justice: 12 cr.

- ADMN 3307E Gender and Diversity in Organizations
- CLAS 3095E Women in Classical Antiquity
- ENGL 3206E Special Topics in Women's Literature I
- ENGL 3207E Special Topics in Women's Literature II
- FILM 2305E Women in Cinema
- FRAN 3725F Femmes et littératures canadiennes-françaises au xxe siècle
- GEND 2045E Women and Art History
- GEND 2206E Sex, Body, and Identity I
- GEND 2207E Sex, Body, and Identity II
- GEND 2216E Gender, Culture and Textiles
- GEND 2306E Art and Social Justice
- GEND 3055E Special Topics in Women's Studies
- GEND 3056E Topics in Gender Relations

GEND 3126E	Sex and the History of Medicine and Psychiatry
GEND 3127E	Gender, Globalization and Human Rights
HIST 2236E	Selected Topics in Women's History
HIST 2237E	A History of the Women's Movement
HIST 3355E	History of Women in Canada
PHIL 2606E	Gender and Philosophy I
PHIL 2607E	Gender and Philosophy II
PHIL 3205E	Philosophy of Sex and Love
POLI 3535E	Women and Politics in Canada
SOCI 3246E	Gender and International Development
SWLF 3445E	Women and Social Welfare
SWLF 3805E	Abuse and Violence Within the Family

Cross-listed courses may also require prerequisites in the disciplines concerned.

*Students must complete GEND 1025E with a minimum grade of 60%.

Students are limited to a maximum of 54 credits in Gender Equality and Social Justice.

Other Course Requirements

Major 2	30 cr.
Humanities	6 cr.
Science	6 cr.
Electives	18 cr.

For complete BA (3-Year General) degree requirements, please refer to that section of the Calendar (see Degree Requirements in the Index).

Honours Degree - Combined Major

Students must complete a minimum of 42 credits in Gender Equality and Social Justice and a minimum of 42 credits in another discipline. The second major must include all of the required courses specified for that discipline. The Gender Equality and Social Justice requirements are as follows:

*GEND 1025E Introduction to Gender Equality and Social Justice 6 cr.

Six credits from the following: 6 cr.

GEND 2055E	Women and Diversity
GEND 2156E	Gender and the Law I
GEND 2157E	Gender and the Law II
GEND 2166E	Women, Media and Representation
GEND 2217E	Gender and the Media: Themes and Controversies
GEND 2226E	The Inquisition and the European Witch Craze

Six credits from the following: 6 cr.

GEND 3007E	Feminist Theories and Perspectives
GEND 3116E	Women and Religion
GEND 3117E	Gender and the Bible
GEND 3306E	Perspectives on Power and Equality
GEND 3206E	Power, Oppression and Human Rights

GEND 2000 or 3000 level not used to satisfy the above requirements or any courses cross-listed with Gender Equality and Social Justice: 18 cr.

ADMN 3307E	Gender and Diversity in Organizations
CLAS 3095E	Women in Classical Antiquity
ENGL 3206E	Special Topics in Women's Literature I
ENGL 3207E	Special Topics in Women's Literature II
FILM 2305E	Women in Cinema
FRAN 3725F	Femmes et littératures canadiennes-françaises au xxe siècle
GEND 2045E	Women and Art History
GEND 2206E	Sex, Body, and Identity I
GEND 2207E	Sex, Body, and Identity II
GEND 2216E	Gender, Culture and Textiles
GEND 2306E	Art and Social Justice
GEND 3055E	Special Topics in Women's Studies
GEND 3056E	Topics in Gender Relations
GEND 3126E	Sex and the History of Medicine and Psychiatry
GEND 3127E	Gender, Globalization and Human Rights
HIST 2236E	Selected Topics in Women's History
HIST 2237E	A History of the Women's Movement
HIST 3355E	History of Women in Canada
PHIL 2606E	Gender and Philosophy I
PHIL 2607E	Gender and Philosophy II
PHIL 3205E	Philosophy of Sex and Love
POLI 3535E	Women and Politics in Canada
SOCI 3246E	Gender and International Development
SWLF 3445E	Women and Social Welfare
SWLF 3805E	Abuse and Violence Within the Family

GEND 4005 Honours Essay 6 cr.

*Students must complete GEND 1025E with a minimum grade of 60%.

Students are limited to a maximum of 84 credits in Gender Equality and Social Justice.

Students moving from second year to third year, or third year to fourth year, must have an overall average of 70%. Students who obtain an overall average below 68% will be required to withdraw from the Honours program. Students with an overall average between 68% and 70% will be placed on academic probation.

Other Course Requirements

Major 2	42 cr.
Humanities	6 cr.
Science	6 cr.
Electives	24 cr.

For complete BA (Honours) degree requirements, please refer to that section of the Calendar (see Degree Requirements in the Index).

Minor

A minor in Gender Equality and Social Justice is available to students pursuing a major in another discipline. A minor consists of a minimum of 24 credits in a discipline, with at least six credits at the first year level and at least six credits at the upper year level. Cross-coded and cross-listed courses may count towards a minor if they have not been used elsewhere to complete program requirements. A minimum grade of 60 % is required in the introductory course(s) presented for the minor.

Geography

Undergraduate Degrees

- Bachelor of Arts (3-Year General)
- Bachelor of Arts (Honours)

3-Year General Degree – Single Major

Students must complete a minimum of 36 credits in Geography as follows:

*GEOG 1016E Introduction to Human Geography	3 cr.
*GEOG 1017E Introduction to Physical Geography	3 cr.
GEOG 2000 level	12 cr.
GEOG 3000 level	12 cr.
GEOG 2000 or 3000 level	6 cr.

*Students must complete GEOG 1016E and GEOG 1017E with a minimum grade of 60% in each.

A balance of at least 12 credits from each of systematic and regional courses is required.

Students are advised to consult with a member of the Geography discipline in planning their programs.

Students may take Introductory Geography and upper level courses concurrently with the permission of the instructor. Upper level students concentrating in other disciplines may take Regional Geography courses without Introductory Geography upon permission of the instructor.

Students who have taken only one introductory half course may enrol only in upper level courses which follow from the content of that respective half course (i.e. GEOG 1016E fulfils the prerequisite for all upper level Human Geography courses and GEOG 1017E fulfils the prerequisite for all upper level Physical Geography courses). In order to fulfil requirements for a major in Geography both the physical and human sections of Introductory Geography must be completed.

Students are limited to a maximum of 54 credits in Geography.

Other Course Requirements

Humanities	6 cr.
Science	6 cr.
Electives	42 cr.

For complete BA (3-Year General) degree requirements, please refer to that section of the Calendar (see Degree Requirements in the Index).

3-Year General Degree - Combined Major

Students must complete a minimum of 30 credits in Geography and a minimum of 30 credits in another discipline. The second major must include all of the required courses specified for that discipline. The Geography requirements are:

*GEOG 1016E Introduction to Human Geography	3 cr.
*GEOG 1017E Introduction of Physical Geography	3 cr.
GEOG 2000 level	12 cr.
GEOG 3000 level	12 cr.

*Students must complete GEOG 1016E and GEOG 1017E with a minimum grade of 60% in each.

A balance of at least 12 credits from each of systematic and regional courses is required.

Students are limited to a maximum of 54 credits in Geography.

Other Course Requirements

Major 2	30 cr.
Humanities	6 cr.
Science	6 cr.
Electives	18 cr.

For complete BA (3-Year General) degree requirements, please refer to that section of the Calendar (see Degree Requirements in the Index).

Honours Degree – Single Major

In the Honours program, the overall objective is to provide a balanced undergraduate program of instruction in the areas of analytical techniques, systematics and regional studies. Its more specific aims are to provide students with a sound base for applied studies in the fields of regional resource development planning, urban planning and an introduction to certain area studies.

Students must complete a minimum of 66 credits in Geography as follows. (Students may take 4th year courses in 3rd year with permission of the instructor.)

*GEOG 1016E Introduction to Human Geography	3 cr.
*GEOG 1017E Introduction to Physical Geography	3 cr.

*Students must complete GEOG 1016E and GEOG 1017E with a minimum grade of 60% in each.

Students moving from second year to third year, or third year to fourth year, must have an overall average of 70%. Students who obtain an overall average below 68% will be required to withdraw from the Honours program. Students with an overall average between 68% and 70% will be placed on academic probation.

Group 1 Systematic Technique Courses 12 cr.

GEOG 2016E Field and Laboratory Techniques
GEOG 2017E Cartography
GEOG 2026E Introduction to Quantitative Methods
GEOG 3036E Air Photo Interpretation
GEOG 3056E Introduction to GIS

Group 2 Systematic Courses 6 cr.

GEOG 2105E Geomorphology
GEOG 2206E Population Geography
GEOG 2215E Cultural and Social Geography
GEOG 2306E Economic Geography
GEOG 2807E Local and Regional Development

Group 3 Regional Courses 6 cr.

GEOG 2405E A Geography of Canada
GEOG 2505E A Geography of the United States
GEOG 2705E Russia, the Eurasian Republics and Eastern Europe

Group 4 Systematic Courses 6 cr.

GEOG 3105E Climatology
 GEOG 3115E Biogeography
 GEOG 3205E Urban Geography
 GEOG 3217E Political Geography and Development
 GEOG 3226E The Geography of Tourism and Recreation
 GEOG 3806E Transportation and Communication Systems

Group 5 Regional Courses 6 cr.

GEOG 3495E Northern Development
 GEOG 3605E A Regional Geography of the European
 Common Market Countries
 GEOG 3646E The Arab World
 GEOG 3647E Regional Geography of South Asia
 GEOG 3825E Geography of the Developing Countries

Group 6 Senior Systematic Courses 18 cr.

GEOG 4037E Remote Sensing of the Environment
 GEOG 4057E Topics in GIS Applications
 GEOG 4106E Applied Geomorphology
 GEOG 4107E Land Resources and Their Assessment
 GEOG 4116E Pleistocene and Glacial Geomorphology
 GEOG 4126E Applied Hydrology for Environmental
 Planning
 GEOG 4127E Lake and Wetland Environments
 GEOG 4136E Applied Climatology
 GEOG 4137E Paleoclimatology and Climatic Change
 GEOG 4216E World Population Growth
 GEOG 4217E International Environmental Standards for
 Use by Industry
 GEOG 4317E Issues in Economic Geography and
 Development
 GEOG 4806E Natural Resource Planning in Regional
 Development
 GEOG 4807E Natural Resource Management
 GEOG 4816E Urban Land Use Planning Theory
 GEOG 4817E Urban Land Use Planning in Canada
 GEOG 4976E Geography Field Camp
 GEOG 4985E Directed Studies
 GEOG 4995E Senior Seminar and Thesis

GEOG 3000 or 4000 level 6 cr.

Students must be entering fourth year with a minimum 70% overall average to enrol in GEOG 4985E or GEOG 4995E. Students may not retain credit for both GEOG 4985E and GEOG 4995E.

Students are limited to a maximum of 84 credits in Geography.

Other Course Requirements

Humanities 6 cr.
 Science 6 cr.
 Electives 42 cr.

For complete BA (Honours) degree requirements, please refer to that section of the Calendar (see Degree Requirements in the Index).

Honours Degree – Combined Major

Students must complete a minimum of 42 credits in Geography and a minimum of 42 credits in another discipline. The second

major must include all of the required courses specified for that discipline. The Geography requirements are:

*GEOG 1016E Introduction to Human Geography	3 cr.
*GEOG 1017E Introduction to Physical Geography	3 cr.
Group 1	6 cr.
Group 2	6 cr.
Group 3 or 5	6 cr.
Group 4	6 cr.
Group 6 (excluding GEOG 4976E, GEOG 4985E and GEOG 4995E)	12 cr.

*Students must complete GEOG 1016E and GEOG 1017E with a minimum grade of 60% in each.

Students moving from second year to third year, or third year to fourth year, must have an overall average of 70%. Students who obtain an overall average below 68% will be required to withdraw from the Honours program. Students with an overall average between 68% and 70% will be placed on academic probation.

Students are limited to a maximum of 84 credits in Geography.

Other Course Requirements

Major 2	42 cr.
Humanities	6 cr.
Science	6 cr.
Electives	24 cr.

For complete BA (Honours) degree requirements, please refer to that section of the Calendar (see Degree Requirements in the Index).

Minor

A minor in Geography is available to students pursuing a major in another discipline. The minor in Geography consists of a minimum of 30 credits, with at least six credits at the first year level and at least six credits at the upper year level. In Geography, the minor must consist of GEOG 1016E and GEOG 1017E (minimum 60% in each) and 12 credits each of 2000 level and 3000 level Geography courses. Cross-coded and cross-listed courses may count towards a minor if they have not been used elsewhere to complete program requirements.

Geography of Community Economic Development

As of the date of publication of the Calendar, this major was unavailable.

This four-year honours program in Geography is for students who wish to pursue a career related to Community Economic Development (CED) with special attention to Canadian, Northern, and Native concerns.

The program provides students with a broad range of skills. These skills will be required as northern communities compete for jobs in worldwide competition.

The program provides a balanced foundation in geography, economics, and business. A Native studies component enables students to appreciate the special needs and challenges faced by northern Native communities in planning economic development. As part of their program, students can also gain practical experience in an organization involved in community economic development.

Undergraduate Degree

- Bachelor of Arts (Honours)

Honours Degree - Single Major

Students must complete a minimum of 60 credits in Geography and 30 credits from related disciplines (Business, Economics, Native Studies, and Political Science) as follows. (Students may take 4th year courses in 3rd year with permission of the instructor.)

Group 1

- *GEOG 1016E Introduction to Human Geography 3 cr.
- *GEOG 1017E Introduction to Physical Geography 3 cr.

*Students must complete GEOG 1016E and GEOG 1017E with a minimum grade of 60% in each.

Students moving from second year to third year, or third year to fourth year, must have an overall average of 70%. Students who obtain an overall average below 68% will be required to withdraw from the Honours program. Students with an overall average between 68% and 70% will be placed on academic probation.

Group 2 Techniques 12 cr.

- GEOG 2016E Field and Laboratory Techniques
- GEOG 2017E Cartography
- GEOG 2026E Introduction to Quantitative Methods
- GEOG 3036E Air Photo Interpretation
- GEOG 3056E Introduction to GIS
- GEOG 4037E Remote Sensing of the Environment
- GEOG 4057E Topics in GIS Applications

Group 3 Human 6 cr.

- GEOG 2206E Population Geography
- GEOG 2215E Cultural and Social Geography
- GEOG 3205E Urban Geography
- GEOG 3217E Political Geography and Development

Group 4 Economic 6 cr.

- GEOG 2306E Economic Geography
- GEOG 2807E Local and Regional Development
- GEOG 3806E Transportation and Communication Systems

Group 5 Regional 12 cr.

6 credits of 2000-level Regional Geography
6 credits of 3000-level Regional Geography

Group 6 GEOG 4000 level 18 cr.

- GEOG 4107E Land Resources and Their Assessment
- GEOG 4216E World Population Growth
- GEOG 4217E International Environmental Standards for Use by Industry
- GEOG 4317E Issues in Economic Geography and Development
- GEOG 4806E Natural Resource Development in Regional Planning
- GEOG 4807E Natural Resource Management
- GEOG 4816E Urban Land Use Planning Theory
- GEOG 4817E Urban Land Use Planning in Canada
- GEOG 4985E Directed Studies (see below)
- GEOG 4995E Senior Seminar and Thesis (see below)

Students who enrol in GEOG 4985E will be directed toward an Internship Work Placement directly related to Community Economic Development. A summary report is required. Available only to students entering fourth year with a minimum 70% overall average.

The topic in GEOG 4995E is to relate to Community Economic Development and be chosen in consultation with a thesis supervisor. Available only to students entering fourth year with a minimum 70% overall average.

Group 7 30 cr.

Courses in Group 7 provide enrichment from various disciplines related to Community Economic Development and are chosen to complement courses already included in the Geography major. Current selections are from Business, Economics, Native Studies and Political Science. Credits may be selected from the following:

- ADMN 1106E Introductory Financial Accounting I
- ADMN 1107E Introductory Financial Accounting II
- ADMN 1136E Introduction to Organizational Behaviour
- ADMN 2126E Marketing Concepts
- ADMN 2306E Business Ethics
- ADMN 3306E Introduction to Small Business Administration
- ADMN 3506E Management of Not-for-Profit Organizations
- ADMN 4916E Entrepreneurship
- ECON 1006E Introduction to Economics I
- ECON 1007E Introduction to Economics II
- ECON 3065E Introduction to Economic Development
- ECON 3085E Canadian Economic Problems and Policy
- NATI 1005N An Introduction to Native Studies
- POLI 1005E Introduction to Political Science
- POLI 2605E Public Administration
- POLI 2905E Canadian Local Government

Students are limited to a maximum of 84 credits in a single discipline.

Other Course Requirements

COSC 1606E Data Base Applications	3 cr.
COSC 1607E Spreadsheet Applications	3 cr.
Humanities	6 cr.
Electives	18 cr.

For complete BA (4-Year Honours) degree requirements, please refer to that section of the Calendar (see Degree Requirements in the Index).

Geography of International Development

The goal of this program is to provide students with the skills necessary for a career related to geography and the economic and social development of Third World countries. The human and physical geographies of selected parts of the Third World will be thoroughly studied. Supplementary studies of the economic, political and social aspects of Third World development are intended to prepare students with a more complete understanding of life and development problems encountered in the Third World. It will give students a critical understanding of the international dynamic while conveying cultural sensitivities and perspectives.

Undergraduate Degree

- Bachelor of Arts (Honours)

Honours Degree — Single Major

Students must complete a minimum of 60 credits in Geography and 30 credits from related disciplines (Economics, Political Science, Social Welfare, and Sociology) as follows. (Students may take 4th year courses in the 3rd year with permission of the instructor.)

Group 1

- *GEOG 1016E Introduction to Human Geography 3 cr.
- *GEOG 1017E Introduction to Physical Geography 3 cr.

*Students must complete GEOG 1016E and GEOG 1017E with a minimum grade of 60% in each.

Students moving from second year to third year, or third year to fourth year, must have an overall average of 70%. Students who obtain an overall average below 68% will be required to withdraw from the Honours program. Students with an overall average between 68% and 70% will be placed on academic probation.

Group 2 Techniques 12 cr.

- GEOG 2016E Field and Laboratory Techniques
- GEOG 2017E Cartography
- GEOG 2026E Introduction to Quantitative Methods
- GEOG 3036E Air Photo Interpretation
- GEOG 3056E Introduction to GIS
- GEOG 4037E Remote Sensing of the Environment
- GEOG 4057E Topics in GIS Applications

Group 3 Human and Economic 12 cr.

- GEOG 2206E Population Geography
- GEOG 2306E Economic Geography
- GEOG 2215E Cultural and Social Geography
- GEOG 2807E Local and Regional Development
- GEOG 3205E Urban Geography
- GEOG 3217E Political Geography and Development
- GEOG 3226E The Geography of Tourism and Recreation
- GEOG 3806E Transportation and Communication Systems

Group 4 Regional 12 cr.

- GEOG 2705E Russia, the Eurasian Republics and Eastern Europe
 GEOG 3646E The Arab World
 GEOG 3647E Regional Geography of South Asia
 GEOG 3825E Geography of the Developing Countries

Group 5 GEOG 4000 level 18 cr.

- GEOG 4107E Land Resources and Their Assessment
 GEOG 4216E World Population Growth
 GEOG 4217E International Environmental Standards for Use by Industry
 GEOG 4317E Issues in Economic Geography and Development
 GEOG 4806E Natural Resource Development in Regional Planning
 GEOG 4807E Natural Resource Management
 GEOG 4816E Urban Land Use Planning Theory
 GEOG 4985E Directed Studies (see below)
 GEOG 4995E Senior Seminar and Thesis (see below)

The topic in GEOG 4985 is to relate to Third World development and be chosen in consultation with a directed studies supervisor. This course is available only to students entering fourth year with a minimum 70% overall average.

The topic in GEOG 4995 is to relate to Third World development and be chosen in consultation with a thesis supervisor. This course is available only to students entering fourth year with a minimum 70% overall average.

Group 6 18 cr.

- ECON 3065E Introduction to Economic Development
 POLI 2305E International Relations
 SOCI 3225E Sociology of Development
 SWLF 3306E International Perspectives on Social Welfare
 SWLF 3307E Social Welfare in Developing Countries
 SWLF 3405E Concepts of Wellness in First Nations' Communities

Group 7 12 cr.

- ECON 1006E Introduction to Economics I
 ECON 1007E Introduction to Economics II
 PHIL 2705E Eastern Philosophy
 POLI 1005E Introduction to Political Science
 SOCI 1015E Understanding Sociology
 SOCI 2047E Minority Groups Throughout the World
 SOCI 3065E Social Stratification
 SOCI 3205E Social Demography
 SOCI 3246E Gender and International Development
 SWLF 1005E Introduction to Social Welfare
 any additional unused credits from Group 6

Students are limited to a maximum of 84 credits in a single discipline.

Other Course Requirements

Humanities 6 cr.
 (Preferably from the following list, chosen to reflect the student's area of interest: French or Français, Spanish, Russian, Philosophy.)

Science 6 cr.
 (Preferably from the following list, deemed most useful for study: Environmental Science, Geology, Biology, Computer Science)

Electives 18 cr.
 These courses should be selected so as to meet the needs of students studying specific regions within the Third World.

Since some courses are not offered every year students in the program must consult with faculty concerning the frequency of individual course offerings.

For complete BA (4-Year Honours) degree requirements, please refer to that section of the Calendar (see Degree Requirements in the Index).

History

Undergraduate Degrees

- Bachelor of Arts (3-Year General)
- Bachelor of Arts (Honours)

3-Year General Degree – Single Major

Students must complete a minimum of 36 credits in History as follows.

Six credits from the following: 6 cr.

- *HIST 1205E Europe Since 1500
- *HIST 1406E Canadian History: The Formative Years
- *HIST 1407E Canadian History: The National Era
- *HIST 1505E A History of the Modern World

*HIST 3925E History and Historians:
Ideas and Methods 6 cr.

Group 1	6 cr.
Group 2	6 cr.
Group 1 or 2	12 cr.

*Students must complete HIST 1205E, or HIST 1505E, or HIST 1406E and HIST 1407E, and HIST 3925E with a minimum grade of 60% in each.

While courses in Groups 1 and 2 may be completed at any time, students should attempt to take courses in Group 1 in their second year and courses in Group 2 in their third year. Students may not retain more than 12 credits in History at the first year level.

Students are limited to a maximum of 54 credits in History.

Other Course Requirements

Humanities	6 cr.
Science	6 cr.
Electives	42 cr.

For complete BA (3-Year General) degree requirements, please refer to that section of the Calendar (see Degree Requirements in the Index).

3-Year General Degree – Combined Major

Students must complete a minimum of 30 credits in History and a minimum of 30 credits in another discipline. The second major must include all of the required courses specified for that discipline. The History requirements are:

Six credits from the following: 6 cr.

- *HIST 1205E Europe Since 1500
- *HIST 1406E Canadian History: The Formative Years
- *HIST 1407E Canadian History: The National Era
- *HIST 1505E A History of the Modern World

*HIST 3925E History and Historians:
Ideas and Methods 6 cr.

Group 1	6 cr.
Group 2	6 cr.
Group 1 or 2	6 cr.

*Students must complete HIST 1205E, or HIST 1505E, or HIST 1406E and HIST 1407E, and HIST 3925E with a minimum grade of 60% in each.

While courses in Groups 1 and 2 may be completed at any time, students should attempt to take courses in Group 1 in their second year and courses in Group 2 in their third year.

Students may not retain more than 12 credits in History at the first year level.

Students are limited to a maximum of 54 credits in History.

Other Course Requirements

Major 2	30 cr.
Humanities	6 cr.
Science	6 cr.
Electives	18 cr.

For complete BA (3-Year General) degree requirements, please refer to that section of the Calendar (see Degree Requirements in the Index).

Honours Degree – Single Major

Students must complete a minimum of 66 credits in History as follows.

Six credits from the following: 6 cr.

- *HIST 1205E Europe Since 1500
- *HIST 1406E Canadian History: The Formative Years
- *HIST 1407E Canadian History: The National Era
- *HIST 1505E A History of the Modern World

**HIST 3925E History and Historians:
Ideas and Methods 6 cr.

Group 1	6 cr.
Group 2	6 cr.
Group 1 or 2	18 cr.
Group 3	24 cr.

*Students must complete HIST 1205E, or HIST 1505E, or HIST 1406E and HIST 1407E with a minimum grade of 60% in each.

**Students must complete HIST 3925E with a minimum grade of 70%.

Students moving from second year to third year, or third year to fourth year, must have an overall average of 70%. Students who obtain an overall average below 68% will be required to withdraw from the Honours program. Students with an overall average between 68% and 70% will be placed on academic probation.

While courses in Groups 1 and 2 may be completed at any time, students should attempt to take courses in Group 1 in their second year and courses in Group 2 in their third year. Further, it is recommended that students include the equivalent of three History courses in their second year and include two Group 3 History courses in their third year.

Students may, with the approval of the department, count either HIST 4015E or HIST 4055E toward the required 30 credits from Groups 1 and 2.

With permission of the discipline, students may complete either HIST 4015E or HIST 4055E, but not both, for the Group 3 category.

Students may not retain more than 12 credits in History at the first year level.

Group 1

- HIST 2055E History of Ancient Civilizations
- HIST 2105E History of Medieval Europe
- HIST 2236E Selected Topics in Women's History
- HIST 2237E A History of the Women's Movement
- HIST 2245E History of Science
- HIST 2356E The Atlantic Provinces
- HIST 2405E British History: Changing Perspectives
- HIST 2415E British Empire and Commonwealth
- HIST 2506E Modern France
- HIST 2606E Modern Germany
- HIST 2705E History of Russia
- HIST 2755E A History of East Central Europe
- HIST 2805E History of Islamic Civilization
- HIST 3246E History of Quebec Since 1867
- HIST 3266E The Canadian West
- HIST 3505E History of the United States

Group 2

- HIST 2155E Early Modern Europe (1400-1750)
- HIST 2305E The Twentieth Century: Historical Perspectives, Main Events
- HIST 2316E Military History I
- HIST 2326E Military History II
- HIST 2345E Canadian First Nations in Historical Perspective
- HIST 2355E Canadian Urban History
- HIST 2425E History of Medieval England
- HIST 2575E History of European Expansion
- HIST 2835E Totalitarianism: An Historical Examination
- HIST 3026E History of Canadian-American Relations
- HIST 3196E Canada in the Twentieth Century: Selected Problems
- HIST 3205E Themes in Canadian Social History
- HIST 3256E History of Ontario: Selected Topics I
- HIST 3257E History of Ontario: Selected Topics II
- HIST 3355E History of Women in Canada
- HIST 3375E A History of Business in Canada
- HIST 3385E A History of Education in Canada
- HIST 3515E Themes in American Social History
- HIST 3535E Foreign Relations in the United States in the Twentieth Century
- HIST 3576E The Americas in the Colonial Era

Group 3

- HIST 4015E Directed Studies
- HIST 4055E Research Project
- HIST 4185E Canada in the Twentieth Century
- HIST 4275E Ontario History
- HIST 4345E The Emergence of the Modern United States 1860-1917
- HIST 4465E Family and Community in North American Society
- HIST 4495E Modern Britain
- HIST 4505E Topics in Medieval History
- HIST 4605E Special Topics

- HIST 4655E Western Europe in the Nineteenth and Twentieth Centuries
- HIST 4685E Russia and Ukraine in the Twentieth Century
- HIST 4725E The Age of Enlightenment
- HIST 4775E Twentieth Century Crises in Historical Perspective

Students are limited to a maximum of 84 credits in History.

Other Course Requirements

Humanities	6 cr.
Science	6 cr.
Electives	42 cr.

For complete BA (Honours) degree requirements, please refer to that section of the Calendar (see Degree Requirements in the Index).

Honours Degree - Combined Major

Students must complete a minimum of 42 credits in History and a minimum of 42 credits in another discipline. The second major must include all of the required courses specified for that discipline. The History requirements are:

Six credits from the following: 6 cr.

- *HIST 1205E Europe Since 1500
- *HIST 1406E Canadian History: The Formative Years
- *HIST 1407E Canadian History: The National Era
- *HIST 1505E A History of the Modern World

**HIST 3925E History and Historians: Ideas and Methods	6 cr.
Group 1 or 2	6 cr.
Group 1, 2 or 3	6 cr.
Group 3	18 cr.

*Students must complete HIST 1205E, or HIST 1505E, or HIST 1406E and HIST 1407E with a minimum grade of 60% in each.

**Students must complete HIST 3925E with a minimum grade of 70%.

Students moving from second year to third year, or third year to fourth year, must have an overall average of 70%. Students who obtain an overall average below 68% will be required to withdraw from the Honours program. Students with an overall average between 68% and 70% will be placed on academic probation.

Students may not retain more than 12 credits in History at the first year level.

Students are limited to a maximum of 84 credits in History.

Other Course Requirements

Major 2	42 cr.
Humanities	6 cr.
Science	6 cr.
Electives	24 cr.

For complete BA (Honours) degree requirements, please refer to that section of the Calendar (see Degree Requirements in the Index).

Minor

A minor in History is available to students pursuing a major in another discipline. A minor consists of a minimum of 24 credits in a discipline. In History, the minor must consist of six credits at the first year level and 18 credits at the upper year level. Cross-coded and cross-listed courses may count towards a minor if they have not been used elsewhere to complete program requirements. A minimum grade of 60% is required in the introductory course(s) presented for the minor.

Liberal Arts

Undergraduate Degree

- Bachelor of Arts (3-Year Liberal)

Bachelor of Arts (3-Year Liberal)

The Bachelor of Arts (Liberal) will give students maximum flexibility in designing their own degree programs. The program is designed to provide students with a Liberal Arts education which emphasizes breadth rather than specialization.

Students must complete at least 48 credits in courses chosen from at least three disciplines in Group I (Humanities) and Group II (Social Sciences), with at least six credits in each group. Students must complete a minimum of 18 credits in each of two disciplines chosen from any of the four groups, with at least one of the two disciplines chosen from Group I or Group II. These 18 credits may include courses cross-listed for credit in that discipline (if they have not been used elsewhere to complete program requirements), with at least six credits at the first year level and six credits at the upper year level. For a list of disciplines which may be included in Liberal Arts, please refer to that section of the Calendar (see Degrees and Majors in the Index).

Program Requirements

Discipline 1 (Group I or Group II)	18 cr.
Discipline 2	18 cr.

A minimum grade of 60% is required in the first year introductory course(s) for each declared sequence.

Students are limited to 30 credits in one discipline and 54 credits in any two disciplines combined.

Other Course Requirements

Science (unless included in the disciplines above)	6 cr.
Electives	48 cr.

For complete BA (3-Year Liberal) degree requirements, please refer to that section of the Calendar (see Degree Requirements in the Index).

Liberal Science

Undergraduate Degree

- Bachelor of Science (3-Year Liberal)

Bachelor of Science (3-Year Liberal)

Students must complete a minimum of 54 credits chosen from three Science disciplines.

Students must complete 18 credits in each of two science disciplines. These 18 credits may include courses cross-listed for credit in that discipline (if they have not been used elsewhere to complete program requirements), with at least six credits at the first year level and six credits at the upper year level. For a list of disciplines which may be included in Liberal Science, please refer to that section of the Calendar (see Degrees and Majors in the Index).

Six credits in each of two of the following disciplines: Chemistry, Mathematics, and Physics.

Discipline 1	18 cr.
Discipline 2	18 cr.
Science Electives	18 cr.

A minimum grade of 60% is required in the first year introductory course(s) for each declared sequence.

Six credits from the following: 6 cr.

- HIST 2245E History of Science
- PHIL 2505E Straight Thinking and Argument
- PHIL 2915E Philosophy of Science

Students are limited to 54 credits in a single discipline.

Other Course Requirements

Humanities and Social Science Electives	12 cr.
Electives	18 cr.

For complete BSc (3-Year Liberal) degree requirements, please refer to that section of the Calendar (see Degree Requirements in the Index).

Mathematics

Undergraduate Degrees

- Bachelor of Arts (3-Year General)
- Bachelor of Science (3-Year General)

Core Mathematics Group

- MATH 1035E Calculus
- MATH 1046E Introductory Linear Algebra
- MATH 1056E Discrete Mathematics I
- MATH 2036E Advanced Calculus I
- MATH 2037E Advanced Calculus II
- MATH 2046E Advanced Linear Algebra
- MATH 2056E Discrete Mathematics II
- MATH 2076E Probability & Statistics I

Group I Pure Mathematics

- MATH 2116E Geometry
- MATH 3126E Number Theory
- MATH 3127E Combinatorics & Graph Theory
- MATH 3136E Real Analysis I
- MATH 3137E Real Analysis II
- MATH 3146E Complex Analysis I
- MATH 3156E Algebra I
- MATH 3157E Algebra II
- MATH 3166E Topology

Group II Applied Mathematics

- MATH 3266E Differential Equations I
- MATH 3267E Differential Equations II
- MATH 3276E Probability & Statistics II
- MATH 3286E Mathematics of Finance
- MATH 3296E Mathematical Modeling
- COSC 2206E Mathematical Computation
- COSC 3006E Numerical Methods I

Group III Mathematics Options

- MATH 2306E History of Mathematics
- MATH 2386E Problem Solving
- MATH 3396E Selected Topics I
- MATH 3397E Selected Topics II

Bachelor of Arts (3-Year General Degree) – Single Major

Students must complete a minimum of 36 credits in Mathematics and a minimum of 3 credits in Computer Science, plus 51 additional credits as outlined below.

*Core Mathematics Group	27 cr.
Groups I, II or III	9 cr.
COSC 1557E Introduction to Computer Science	3 cr.

* Students must complete MATH 1035E, MATH 1046E and MATH 1056E with a minimum grade of 60% in each.

Students are limited to a maximum of 54 credits in a single discipline.

Other Course Requirements

Humanities	6 cr.
Social Sciences	6 cr.
Electives	39 cr.

For complete BA (3-Year General) degree requirements, please refer to that section of the Calendar (see Degree Requirements in the Index).

Bachelor of Arts (3-Year General Degree) – Combined Major

Students must complete a minimum of 30 credits in Mathematics and a minimum of 30 credits in another discipline. The second major must include all of the required courses specified for that discipline. The Mathematics requirements are:

*Core Mathematics Group	27 cr.
Groups I, II or III	3 cr.

* Students must complete MATH 1035E, MATH 1046E and MATH 1056E with a minimum grade of 60% in each.

Students are limited to a maximum of 54 credits in a single discipline.

Other Course Requirements

Major 2	30 cr.
Humanities	6 cr.
Social Sciences	6 cr.
Electives	18 cr.

For complete BA (3-Year General) degree requirements, please refer to that section of the Calendar (see Degree Requirements in the Index).

Bachelor of Science (3-Year General Degree) – Single Major

Students must complete a minimum of 60 credits in Science, including a minimum of 36 credits in Mathematics and a minimum of 6 credits in Computer Science, plus 24 additional credits as outlined below.

*Core Mathematics Group	27 cr.
Groups I, II or III	9 cr.
COSC 1557E Introduction to Computer Science	3 cr.
COSC 1567E Programming in C++	3 cr.

One of: 6 cr.

CHEM 1005E General Chemistry
 PHYS 1005E General Physics

* Students must complete MATH 1035E, MATH 1046E and MATH 1056E with a minimum grade of 60% in each.

Students are limited to a maximum of 54 credits in a single discipline.

Other Course Requirements

Science	12 cr.
Humanities	6 cr.
Social Sciences	6 cr.
Electives	18 cr.

For complete BSc(3-Year General) degree requirements, please refer to that section of the Calendar (see Degree Requirements in the Index).

Bachelor of Science (3-Year General Degree) - Combined Major in Mathematics and Computer Science

Students must complete a minimum 66 credits in Science, including a minimum of 30 credits in each of Mathematics and Computer Science, plus 24 additional credits as outlined below.

All of:

*Core Mathematics Group	27 cr.
Group I, II, or III	3 cr.
COSC 0997E Computer Science Practicum	0 cr.
* COSC 1557E Introduction to Computer Science	3 cr.
COSC 1567E Programming in C++	3 cr.
COSC 1606E Data Base Applications	3 cr.
COSC 1657E Operating Systems I	3 cr.
COSC 2006E Data Structures I	3 cr.
COSC 2106E Machine Structures I	3 cr.
COSC 3557E Object Oriented Programming	3 cr.
COSC 3606E Database Maintenance	3 cr.
COSC 3997E Computer Science Placement	3 cr.
COSC 2000 or 3000 level	3 cr.
ADMN 1157E Written Business Communication	3 cr.

* Students must complete MATH 1035E, MATH 1046E, MATH 1056E and COSC 1557E with a minimum grade of 60% in each.

Six credits of: 6 cr.

BIOL 1006E	Introduction to Molecular and Cell Biology
BIOL 1007E	Introduction to Organismal and Evolutionary Biology
CHEM 1005E	General Chemistry
GEOL 1005E	General Geology
PHYS 1005E	General Physics

Students are limited to a maximum of 54 credits in a single discipline.

Other Course Requirements

Humanities	6 cr.
Social Sciences	6 cr.
Electives	9 cr.

For complete BSc (3-Year General) degree requirements, please refer to that section of the Calendar (see Degree Requirements in the Index).

Students are also encouraged to choose some of their elective courses from one or more subject areas where Mathematics is applied, e.g. Biology, Business, Economics, Environmental Science, Geography, Psychology, and Sociology.

For complete BSc (3-Year General) degree requirements, please see that section of the Calendar (see Degree Requirements in the Index).

Minor

A minor in Mathematics is available to students pursuing a major in another discipline. A minor consists of a minimum of 24 credits in a discipline. In Mathematics, the minor must consist of a minimum of six credits at the first year level and at least 12 credits at the upper year level. Cross-coded and cross-listed courses may count towards a minor if they have not been used elsewhere to complete program requirements. A minimum grade of 60% is required in the introductory course(s) presented for the minor. MATH 1070E, MATH 1911E and MATH 1912E may not be counted in the minor.

Native Studies

Undergraduate Degree

- Bachelor of Arts (3-Year General)

3-Year General Degree – Single Major

Students must complete a minimum of 36 credits as follows:

*NATI 1005E	Madjitang, in the Beginning...An Introduction to Native Studies	6 cr.
NATI 2005E	Native Kinships with Environment	6 cr.
NATI 2025E	Native Creativity and the Arts	6 cr.
NATI 3005E	Native Spirituality and Religions	6 cr.
PHIL 2905E	Native Philosophy	6 cr.

Six credits from the following: 6 cr.

ANTR 2035E	Ethnology of North American Native Peoples
ENGL 2275E	Studies in the Native Literatures of North America
HIST 2345E	Canadian First Nations in Historical Perspective
NATI 1205N	Omushkego Etuskanaysewin
NATI 2205N	Omushkego Etuskanaysewin II
SWLF 3405E	Concepts of Wellness in First Nations Communities

*Students must complete NATI 1005E with a minimum grade of 60%.

Students are limited to a maximum of 54 credits in Native Studies.

Other Course Requirements

Science	6 cr.
Electives	48 cr.

For complete BA (3-Year General) degree requirements, please refer to that section of the Calendar (see Degree Requirements in the Index).

3-Year General Degree – Combined Major

Students must complete the minimum 30 credits in Native Studies core courses listed below and 30 credits in another discipline. The second major must include all of the required courses specified for that discipline.

*NATI 1005E	Madjitang, in the Beginning...An Introduction to Native Studies	6 cr.
NATI 2005E	Native Kinships with Environment	6 cr.
NATI 2025E	Native Creativity and the Arts	6 cr.
NATI 3005E	Native Spirituality and Religions	6 cr.
PHIL 2905E	Native Philosophy	6 cr.

*Students must complete NATI 1005E with a minimum grade of 60%.

Students are limited to a maximum of 54 credits in Native Studies.

Other Course Requirements

Major 2	30 cr.
Science	6 cr.

Electives 24 cr.

For complete BA (3-Year General) degree requirements, please refer to that section of the Calendar (see Degree Requirements in the Index).

Minor

A minor in Native Studies is available to students pursuing a major in another discipline. A minor consists of a minimum of 24 credits in a discipline, with at least six credits at the first year level and at least six credits at the upper year level. Cross-coded and cross-listed courses may count towards a minor if they have not been used elsewhere to complete program requirements. A minimum grade of 60% is required in the introductory course(s) presented for the minor.

Nursing

This is a collaborative BScN program offered by Nipissing University and Canadore College. At the time of printing, the following are the requirements of the program. However, some courses, their prerequisites and sequencing may change. Additional clinical practice may also be required. Please contact the Director of Nursing for further information.

Undergraduate Degree

- Bachelor of Science (Honours) in Nursing

Note: Students must complete the Bachelor of Science in Nursing Program in seven (7) years from the original date of admission.

Honours Degree – Single Major

Students must complete 120 credits as follows:

Year 1

NURS	1006E	Professional Self-Awareness	3 cr.
NURS	1007E	Professional Foundations in Nursing	3 cr.
NURS	1016E	Nursing and Health	3 cr.
NURS	1017E	Aging and Health	3 cr.
NURS	1026E	Clinical Practicum – Nursing Healthy Individuals	3 cr.
NURS	1027E	Clinical Practicum – Nursing Older Adults	3 cr.
BIOL	2706E	Human Anatomy and Physiology I	3 cr.
BIOL	2707E	Human Anatomy and Physiology II	3 cr.
PSYC	1036E	Applied Developmental Psychology	3 cr.
SOCI	2036E	Introduction to Social Gerontology	3 cr.

Year 2

NURS	2006E	Health Assessment	3 cr.
NURS	2007E	Therapeutic Relationships	3 cr.
NURS	2016E	Health Challenges	3 cr.
NURS	2017E	Nursing Across the Lifespan	3 cr.
NURS	2026E	Clinical Practicum - Nursing in the Acute Care Setting	3 cr.
NURS	2027E	Clinical Practicum - Nursing in Specialized Settings	3 cr.
NURS	2037E	Pharmacology	3 cr.
NURS	2526E	Pathophysiology	3 cr.
BIOL	2116E	Principles of Microbiology	3 cr.
BIOL	2206E	Introduction to Biochemistry	3 cr.

Year 3

NURS	3006E	Nursing Theories	3 cr.
NURS	3007E	Community Health Nursing	3 cr.
NURS	3016E	Family Nursing	3 cr.
NURS	3026E	Clinical Practicum - Family Nursing in Diverse Settings	3 cr.
NURS	3027E	Clinical Practicum - Nursing Communities and Populations	3 cr.
NURS	3036E	Transcultural Nursing	3 cr.
MATH	1257E	Technical Statistics	3 cr.
SOCI	3186E	Health and the Family	3 cr.
Electives			6 cr.

Year 4

NURS 4006E	Nursing Informatics	3 cr.
NURS 4007E	Leadership and Management in Nursing	3 cr.
NURS 4016E	Research in Nursing and Health	3 cr.
NURS 4017E	Current Issues in Nursing	3 cr.
NURS 4026E	Clinical Practicum - Advanced Nursing Practice	3 cr.
NURS 4027E	Clinical Practicum - Preceptorship	9 cr.
NURS 4036E	Complex Health Challenges	3 cr.
Electives		3 cr.

* Students must complete all nursing theory courses with a minimum grade of 60% and must complete all nursing practicum courses satisfactorily.

For complete BSc (Honours) degree requirements, please refer to that section of the Calendar (see Bachelor of Science (Honours) in the Index).

Philosophy

Undergraduate Degree

- Bachelor of Arts (3-Year General)
- Bachelor of Arts (Honours) - Combined Major

3-Year General Degree – Single Major

Students must complete a minimum of 36 credits in Philosophy as follows:

*PHIL 1115E Introduction to Philosophy 6 cr.

Twelve credits from the following: 12 cr.

PHIL 2305E Origins of Western Philosophy

**PHIL 2325E Reason and Experience in Early Modern
Philosophy or

**PHIL 3335E History of Modern Philosophy II: From
Kant to the Twentieth Century

PHIL 2505E Straight Thinking and Argument

PHIL upper level 18 cr.

*Students must complete PHIL 1115E with a minimum grade of 60%.

**Students may count one of PHIL 2325E or PHIL 3335E towards the twelve credits required from this list.

Students may count HIST 3925E towards a major in Philosophy.

Students are limited to a maximum of 54 credits in Philosophy.

Other Course Requirements

Social Sciences 6 cr.

Science 6 cr.

Electives 42 cr.

For complete BA (3-Year General) degree requirements, please refer to that section of the Calendar (see Degree Requirements in the Index).

3-Year General Degree – Combined Major

Students must complete a minimum of 30 credits in Philosophy and a minimum of 30 credits in another discipline. The second major must include all of the required courses specified for that discipline. The Philosophy requirements are:

*PHIL 1115E Introduction to Philosophy 6 cr.

Twelve credits from the following: 12 cr.

PHIL 2305E Origins of Western Philosophy

**PHIL 2325E Reason and Experience in Early Modern
Philosophy or

**PHIL 3335E History of Modern Philosophy II: From
Kant to the Twentieth Century

PHIL 2505E Straight Thinking and Argument

PHIL upper level 12 cr.

*Students must complete PHIL 1115E with a minimum grade of 60%.

**Students may count one of PHIL 2325E or PHIL 3335E towards the twelve credits required from this list.

Students may count HIST 3925E towards a major in Philosophy.

Students are limited to a maximum of 54 credits in Philosophy.

Other Course Requirements

Major 2	30 cr.
Social Sciences	6 cr.
Science	6 cr.
Electives	18 cr.

For complete BA (3-Year General) degree requirements, please refer to that section of the Calendar (see Degree Requirements in the Index).

Honours Degree – Combined Major

Students must complete a minimum of 42 credits in Philosophy and a minimum of 42 credits in another discipline. The second major must include all of the required courses specified for that discipline. The Philosophy requirements are:

*PHIL 1115E Introduction to Philosophy	6 cr.
PHIL 2305E Origins of Western Philosophy	6 cr.
PHIL 3335E History of Modern Philosophy	6 cr.
PHIL upper level	18 cr.

Six credits from the following: 6 cr.

PHIL 4105E Directed Studies
PHIL 4205E Seminar in Problems of Philosophy

*Students must complete PHIL 1115E with a minimum grade of 60%.

Students may count HIST 3925E towards a major in Philosophy.

Students moving from second year to third year, or third year to fourth year, must have an overall average of 70%. Students who obtain an overall average below 68% will be required to withdraw from the Honours program. Students with an overall average between 68% and 70% will be placed on academic probation.

Students are limited to a maximum of 84 credits in Philosophy.

Other Course Requirements

Major 2	42 cr.
Social Science	6 cr.
Science	6 cr.
Electives	24 cr.

For complete BA (Honours) degree requirements, please refer to that section of the Calendar (see Degree Requirements in the Index).

Minor

A minor in Philosophy is available to students pursuing a major in another discipline. A minor consists of a minimum of 24 credits in a discipline, with at least six credits at the first year level and at least six credits at the upper year level. Cross-coded and cross-listed courses may count towards a minor if they have not been used elsewhere to complete program requirements. A minimum grade of 60% is required in the introductory course(s) presented for the minor.

Psychology

Undergraduate Degrees

- Bachelor of Arts (3-Year General)
- Bachelor of Arts (Honours)
- Bachelor of Science (3-Year General)
- Bachelor of Science (Honours)

3-Year General Degree – Single Major

Students must complete a minimum of 36 credits in Psychology as follows:

*PSYC 1106E Introduction to Psychology I	3 cr.
*PSYC 1107E Introduction to Psychology II	3 cr.
*PSYC 2126E Scientific Method and Analysis I	3 cr.
*PSYC 2127E Scientific Method and Analysis II	3 cr.
PSYC 2000 or 3000 level	24 cr.

*Students must complete PSYC 1106E, PSYC 1107E, PSYC 2126E and PSYC 2127E with a minimum grade of 60% in each.

Students are limited to a maximum of 54 credits in Psychology.

Other Course Requirements

Humanities	6 cr.
Science	6 cr.
Electives	42 cr.

For complete BA (3-Year General) degree requirements, please refer to that section of the Calendar (see Degree Requirements in the Index).

3-Year General Degree – Combined Major

Students must complete a minimum of 30 credits in Psychology and a minimum of 30 credits in another discipline. The second major must include all of the required courses specified for that discipline. The Psychology requirements are:

*PSYC 1106E Introduction to Psychology I	3 cr.
*PSYC 1107E Introduction to Psychology II	3 cr.
*PSYC 2126E Scientific Method and Analysis I	3 cr.
*PSYC 2127E Scientific Method and Analysis II	3 cr.
PSYC 2000 or 3000 level	18 cr.

*Students must complete PSYC 1106E, PSYC 1107E, PSYC 2126E and PSYC 2127E with a minimum grade of 60% in each.

Students who are enrolled in a combined Psychology/Sociology major may elect to enrol in SOCI 3125E rather than PSYC 2126E and PSYC 2127E (formerly PSYC 2125E): in this case, students must complete 24 credits in Psychology in addition to the required PSYC 1106E and PSYC 1107E.

Students are limited to a maximum of 54 credits in Psychology.

Other Course Requirements

Major 2	30 cr.
Humanities	6 cr.
Science	6 cr.

Electives 18 cr.

For complete BA (3-Year General) degree requirements, please refer to that section of the Calendar (see Degree Requirements in the Index).

Honours Degree – Single Major

Students must complete a minimum of 66 credits in Psychology as follows:

*PSYC 1106E Introduction to Psychology I	3 cr.
*PSYC 1107E Introduction to Psychology II	3 cr.
*PSYC 2126E Scientific Method and Analysis I	3 cr.
*PSYC 2127E Scientific Method and Analysis II	3 cr.
*PSYC 3205E Psychological Measurement	6 cr.
*PSYC 3356E Design and Analysis I	3 cr.
PSYC 4005E Systems and Theories in Psychology	6 cr.
PSYC 4105E Student's Investigation I or	
PSYC 4115E Student's Investigation II	6 cr.
PSYC 2000, 3000 or 4000 level	33 cr.

*Students must complete PSYC 1106E, PSYC 1107E, PSYC 2126E, PSYC 2127E, PSYC 3205E and PSYC 3356E with a minimum grade of 60% in each.

Students moving from second year to third year, or third year to fourth year, must have an overall average of 70%. Students who obtain an overall average below 68% will be required to withdraw from the Honours program. Students with an overall average between 68% and 70% will be placed on academic probation.

Students are limited to a maximum of 84 credits in Psychology.

Other Course Requirements

Humanities	6 cr.
Science	6 cr.
Electives	42 cr.

It is recommended that students in this program take PHIL 2505E Straight Thinking and Argument.

For complete BA (Honours) degree requirements, please refer to that section of the Calendar (see Degree Requirements in the Index).

Honours Degree – Combined Major

Students must complete a minimum of 42 credits in Psychology and a minimum of 42 credits in another discipline. The second major must include all of the required courses specified for that discipline. The Psychology requirements are:

*PSYC 1106E Introduction to Psychology I	3 cr.
*PSYC 1107E Introduction to Psychology II	3 cr.
*PSYC 2126E Scientific Method and Analysis I	3 cr.
*PSYC 2127E Scientific Method and Analysis II	3 cr.
*PSYC 3205E Psychological Measurement	6 cr.
*PSYC 3356E Design and Analysis I	3 cr.
PSYC 4005E Systems and Theories in Psychology	6 cr.
PSYC 4105E Student's Investigation I or	
PSYC 4115E Student's Investigation II	6 cr.
PSYC 2000, 3000 or 4000 level	9 cr.

*Students must complete PSYC 1106E, PSYC 1107E, PSYC 2126E, PSYC 2127E, PSYC 3205E and PSYC 3356E with a minimum grade of 60% in each.

Students moving from second-year to third-year, or third-year to fourth-year, must have an overall average of 70%. Students who obtain an overall average below 68% will be required to withdraw from the Honours program. Students with an overall average between 68% and 70% will be placed on academic probation.

Students who are enrolled in a combined Psychology/Sociology major may elect to enrol in SOCI 3125E rather than PSYC 2126E and PSYC 2127E (formerly PSYC 2125E); in this case, these students must complete 15 credits in Psychology in addition to the required PSYC 1106E, PSYC 1107E, PSYC 3205E, PSYC 3356E, PSYC 4005E and PSYC 4105E (or PSYC 4115E).

Students are limited to a maximum of 84 credits in Psychology.

Other Course Requirements

Major 2	42 cr.
Humanities	6 cr.
Science	6 cr.
Electives	24 cr.

It is recommended that students in this program take PHIL 2505E Straight Thinking and Argument.

For complete BA (Honours) degree requirements, please refer to that section of the Calendar (see Degree Requirements in the Index).

Bachelor of Science (3-Year General Degree)

Students must complete a minimum of 36 credits in Psychology as follows:

*PSYC 1106E Introduction to Psychology I	3 cr.
*PSYC 1107E Introduction to Psychology II	3 cr.
*PSYC 2126E Scientific Method and Analysis I	3 cr.
*PSYC 2127E Scientific Method and Analysis II	3 cr.
*PSYC 3205E Psychological Measurement	6 cr.
*PSYC 3356E Design and Analysis I	3 cr.

PSYC 2000 or 3000 level	12 cr.
-------------------------	--------

*Students must complete PSYC 1106E, PSYC 1107E, PSYC 2126E, PSYC 2127E, PSYC 3205E, and PSYC 3356E with a minimum grade of 60% in each.

Twelve credits from the following: 12 cr.

BIOL 1006E Introduction to Molecular and Cell Biology	
BIOL 1007E Introduction to Organismal and Evolutionary Biology	
CHEM 1005E General Chemistry	
MATH 1035E Calculus	
PHYS 1005E General Physics	

Students are limited to a maximum of 54 credits in Psychology.

Other Course Requirements

Humanities	6 cr.
------------	-------

Science	6 cr.
Electives	30 cr.

For complete BSc (3-Year General) degree requirements, please refer to that section of the Calendar (see Degree Requirements in the Index).

Bachelor of Science (Honours)

Students must complete 66 credits in Psychology as follows:

*PSYC 1106E Introduction to Psychology I	3 cr.
*PSYC 1107E Introduction to Psychology II	3 cr.
*PSYC 2126E Scientific Method and Analysis I	3 cr.
*PSYC 2127E Scientific Method and Analysis II	3 cr.
*PSYC 3205E Psychological Measurement	6 cr.
*PSYC 3356E Design and Analysis I	3 cr.
*PSYC 3357E Design and Analysis II	3 cr.
PSYC 4005E Systems and Theories in Psychology	6 cr.
PSYC 4105E Student's Investigation I	6 cr.

PSYC 2000, 3000 or 4000 level	30 cr.
-------------------------------	--------

*Students must complete PSYC 1106E, PSYC 1107E, PSYC 2126E, PSYC 2127E, PSYC 3205E, PSYC 3356E and PSYC 3357E with a minimum grade of 60% in each.

Twelve credits from the following: 12 cr.

BIOL 1006E Introduction to Molecular and Cell Biology	
BIOL 1007E Introduction to Organismal and Evolutionary Biology	
CHEM 1005E General Chemistry	
MATH 1035E Calculus	
PHYS 1005E General Physics	

It is recommended that students in this program take PHIL 2505E, Straight Thinking and Argument.

Students moving from second year to third year, or third year to fourth year, must have an overall average of 70%. Students who obtain an overall average below 68% will be required to withdraw from the BSc Honours Program. Students with an overall average between 68% and 70% will be placed on academic probation.

The Special Topics courses (PSYC3906E, PSYC3907E, PSYC3926E, and PSYC3927E) change topics from year to year. Students may apply up to six credits from the Special Topics courses to each of Groups 1 and 2.

Students are limited to a maximum of 84 credits in Psychology.

Other Course Requirements

Humanities	6 cr.
Science	6 cr.
Electives	30 cr.

For complete BSc (Honours) degree requirements, please refer to that section of the Calendar (see Degree Requirements in the Index).

Minor

A minor in Psychology is available to students pursuing a major in another discipline. The minor in Psychology consists of a

minimum of 30 credits, with at least six credits at the first year level and at least six credits at the upper year level. Cross-coded and cross-listed courses may count towards a minor if they have not been used elsewhere to complete program requirements. A minimum grade of 60% is required in the introductory course(s) presented for the minor.

Social Welfare

Undergraduate Degree

- Bachelor of Arts (3-Year General)

3-Year General Degree – Single Major

Students must complete a minimum of 36 credits in Social Welfare as follows:

*SWLF 1005E Introduction to Social Welfare	6 cr.
SWLF 2105E Social Welfare as a Social Institution	6 cr.
SWLF 3105E Social Policy	6 cr.
SWLF upper level	18 cr.

*Students must complete SWLF1005E with a minimum grade of 60%.

Six credits from the following Sociology courses may be applied to the major in Social Welfare:

SOCI 2086E Crime and Punishment I: Explanations of Crime
SOCI 2087E Crime and Punishment II: Police, Courts, Prisons and Rehabilitation
SOCI 2506E Social Problems

Students are limited to a maximum of 54 credits in Social Welfare.

Other Course Requirements

Humanities	6 cr.
Science	6 cr.
Electives	42 cr.

For complete BA (3-Year General) degree requirements, please refer to that section of the Calendar (see Degree Requirements in the Index).

It is important to note that the BA in Social Welfare is not equivalent to a Bachelor of Social Work degree. In order to be admissible to the Ontario Association of Professional Social Workers, students must obtain a Bachelor of Social Work degree recognized by the Canadian Association of Social Work.

3-Year General Degree – Combined Major

Students must complete a minimum of 30 credits in Social Welfare and a minimum of 30 credits in another discipline. The second major must include all of the required courses specified for that discipline. The Social Welfare requirements are:

*SWLF 1005E Introduction to Social Welfare	6 cr.
SWLF 2105E Social Welfare as a Social Institution	6 cr.
SWLF 3105E Social Policy	6 cr.
SWLF upper level	12 cr.

*Students must complete SWLF 1005E with a minimum grade of 60%.

Six credits from the following Sociology courses may be applied to the major in Social Welfare:

- SOCI 2086E Crime and Punishment I: Explanations of Crime
 SOCI 2087E Crime and Punishment II: Police, Courts, Prisons and Rehabilitation
 SOCI 2506E Social Problems

Students are limited to a maximum of 54 credits in Social Welfare.

Other Course Requirements

Major 2	30 cr.
Humanities	6 cr.
Science	6 cr.
Electives	18 cr.

For complete BA (3-Year General) degree requirements, please refer to that section of the Calendar (see Degree Requirements in the Index).

Minor

A minor in Social Welfare is available to students pursuing a major in another discipline. A minor consists of a minimum of 24 credits in a discipline. In Social Welfare, the minor must consist of six credits at the first year level and 18 credits at the upper year level. Cross-coded and cross-listed courses may count towards a minor if they have not been used elsewhere to complete program requirements. A minimum grade of 60% is required in the introductory course(s) presented for the minor.

Sociology

Undergraduate Degrees

- Bachelor of Arts (3-Year General)
- Bachelor of Arts (Honours)

3-Year General Degree – Single Major

Students must complete a minimum of 36 credits in Sociology as follows:

*SOCI 1015E Understanding Sociology	6 cr.
SOCI 2015E Classical Sociological Theory	6 cr.
*SOCI 3125E Research Methods and Data Analysis	6 cr.
SOCI upper level	18 cr.

*Students must complete SOCI 1015E and SOCI 3125E with a minimum grade of 60% in each.

Six credits in upper level Anthropology may be applied to a major in Sociology.

Students are limited to a maximum of 54 credits in Sociology.

Other Course Requirements

Humanities	6 cr.
Science	6 cr.
Electives	42 cr.

For complete BA (3-Year General) degree requirements, please refer to that section of the Calendar (see Degree Requirements in the Index).

3-Year General Degree – Combined Major

Students must complete a minimum of 30 credits in Sociology and a minimum of 30 credits in another discipline. The second major must include all of the required courses specified for that discipline. The Sociology requirements are:

*SOCI 1015E Understanding Sociology	6 cr.
SOCI 2015E Classical Sociological Theory	6 cr.
*SOCI 3125E Research Methods and Data Analysis	6 cr.
SOCI 2000 or 3000 level	12 cr.

*Students must complete SOCI 1015E and SOCI 3125E with a minimum grade of 60% in each.

Students who are enrolled in a combined Sociology/Psychology major may elect to enrol in PSYC 2126E and PSYC 2127E (formerly PSYC 2125E) rather than SOCI 3125E; in this case, students must complete 18 credits in Sociology in addition to the required SOCI 1015E and SOCI 2015E.

Students are limited to a maximum of 54 credits in Sociology.

Other Course Requirements

Major 2	30 cr.
Humanities	6 cr.
Science	6 cr.
Electives	18 cr.

For complete BA (3-Year General) degree requirements, please refer to that section of the Calendar (see Degree Requirements in the Index).

Honours Degree -- Single Major

Students must complete a minimum of 66 credits in Sociology as follows:

*SOC 1015E Understanding Sociology	6 cr.
SOC 2015E Classical Sociological Theory	6 cr.
*SOC 3125E Research Methods and Data Analysis	6 cr.
SOC 4015E Advanced Sociological Theories	6 cr.

Six credits from the following: 6 cr.

SOC 4025E Advanced Research Methods
 SOC 4126E Survey Research
 SOC 4127E Multivariate Statistics

SOC upper level 30 cr.
 SOC 4000 level 6 cr.

*Students must complete SOC 1015E and SOC 3125E with a minimum grade of 60% in each.

Students moving from second year to third year, or third year to fourth year, must have an overall average of 70%. Students who obtain an overall average below 68% will be required to withdraw from the Honours program. Students with an overall average between 68% and 70% will be placed on academic probation.

Six credits in upper level Anthropology may be applied to a major in Sociology.

Students are limited to a maximum of 84 credits in Sociology.

Other Course Requirements

Humanities 6 cr.
 Science 6 cr.
 Electives 42 cr.

For complete BA (Honours) degree requirements, please refer to that section of the Calendar (see Degree Requirements in the Index).

Honours Degree – Combined Major

Students must complete a minimum of 42 credits in Sociology and a minimum of 42 credits in another discipline. The second major must include all of the required courses specified for that discipline. The Sociology requirements are:

*SOC 1015E Understanding Sociology	6 cr.
SOC 2015E Classical Sociology Theory	6 cr.
*SOC 3125E Research Methods and Data Analysis	6 cr.
SOC 4015E Advanced Sociological Theories	6 cr.

Six credits from the following: 6 cr.

SOC 4025E Advanced Research Methods
 SOC 4126E Survey Research
 SOC 4127E Multivariate Statistics

SOC upper level 12 cr.

*Students must complete SOC 1015E and SOC 3125E with a minimum grade of 60% in each.

Students moving from second year to third year, or third year to fourth year, must have an overall average of 70%. Students who obtain an overall average below 68% will be required to withdraw from the Honours program. Students with an overall average between 68% and 70% will be placed on academic probation.

Students who are enrolled in a combined Sociology/Psychology major may elect to enrol in PSYC 2126E and PSYC 2127E (formerly PSYC 2125E) rather than SOC 3125E; in this case, students must complete 18 credits in Sociology in addition to the required SOC 1015E, SOC 2015E, SOC 4015E and SOC 4025E(or SOC 4126 and SOC 4127).

Students are limited to a maximum of 84 credits in Sociology.

Other Course Requirements

Major 2 42 cr.
 Humanities 6 cr.
 Science 6 cr.
 Electives 24 cr.

For complete BA (Honours) degree requirements, please refer to that section of the Calendar (see Degree Requirements in the Index).

Minor

A minor in Sociology is available to students pursuing a major in another discipline. A minor consists of a minimum of 24 credits in a discipline. In Sociology, the minor must consist of six credits at the first year level and 18 credits at the upper year level. Cross-coded and cross-listed courses may count towards a minor if they have not been used elsewhere to complete program requirements. A minimum grade of 60% is required in the introductory course(s) presented for the minor.

Women's Studies

The Women's Studies major has been re-named Gender Equality and Social Justice. Please refer to that section of the academic calendar for program requirements.

Spring and Summer Session 2002

With the introduction of our Spring Session program in 1974, the variety and number of course offerings available during spring and summer has greatly increased.

The selection of courses is made in response to students' requirements and student interest, with the general intention being to provide new courses not available during the Fall/Winter Session. Special attention is given to securing visiting faculty who are experienced and expert in their disciplines.

Spring Session courses are offered for a period of eight weeks (May and June); each course meets nine hours each week. Summer Session courses are offered for six weeks (July to August); each course meets for three hours each weekday for four days.

Academic Regulations

1. Part-time students cannot take more than 30 credits in any three consecutive sessions.
2. Students registered in Spring Session cannot take more than 12 credits.
3. Students registered in Summer Session cannot take more than 12 credits.
4. Students on probation or on a restricted course load may only register in a maximum of six credits in each of Spring and Summer Session.

Note: Correspondence course credits will be counted toward the maximum of 12 credits in each of Spring and Summer Session.

The following is a list of courses which may be offered on-campus in Spring and Summer Session 2002. Please refer to the Calendar section entitled "Course Descriptions" for information. For further information on these courses contact the Office of the Faculty of Arts and Science.

Spring Session – May 1–June 29, 2002

- ADMN 3506E Management of Not-for-Profit Organizations
 ADMN 4897E Current Topics in Administration II:
 Environmental Management and Sustainable
 Development
 ANTR 1005E Introduction to Anthropology:
 Understanding Humankind
 ASTR 1010E Introduction to Astronomy
 BIOL 3236E Plant Ecology
 BIOL 3717E Animal Behaviour
 COSC 1901E Introduction to Computer Applications I
 COSC 1902E Introduction to Computer Applications II
 ENGL 1501E Language and Written Communication I
 ENGL 3465E Studies in Drama to 1642
 ESPA 1005E Introductory Spanish
 FILM 2305E Women in Cinema
 FRAN 1105E Histoire générale des littératures et des
 cultures d'expression française
 FREN 1005E Introductory French

- GEND 2045E Women and Art History
 GEOG 1016E Introduction to Human Geography
 GEOG 2405E A Geography of Canada
 HIST 1406E Canadian History: The Formative Years
 HIST 1407E Canadian History: The National Era
 HIST 2055E History of Ancient Civilizations
 MATH 1911E Finite Mathematics
 PSYC 2006E Childhood Development
 PSYC 2007E Adult Development
 PSYC 2126E Scientific Method and Analysis I
 PSYC 2127E Scientific Method and Analysis II
 PSYC 3926E Special Topics in Psychology III:
 Neuro Staining
 SOC 2036E Introduction to Social Gerontology
 SOC 2095E Sociology of Education
 SOC 2506E Social Problems
 SOC 3125E Research Methods and Data Analysis
 SWLF 3405E Concepts of Wellness in First Nations'
 Communities

Individualized Study Courses (prior approval from the discipline is necessary)

- BIOL 4995E Thesis
 CLAS 3505E Directed Studies
 ENGL 4695E Honours Essay
 GEND 4005E Honours Essay
 GEOG 4985E Directed Studies
 GEOG 4995E Senior Seminar and Thesis
 HIST 4015E Directed Studies
 HIST 4055E Research Project
 PHIL 4105E Directed Studies
 PSYC 3916E Advanced Readings in Psychology
 PSYC 3917E Special Projects Course
 PSYC 4105E Student's Investigation I
 PSYC 4115E Student's Investigation II
 SOCI 4005E Independent Studies
 SOCI 4095E Research Essay

Summer Session – July 3–August 20, 2002

- FILM 2105E World Cinema
 GEND 2206E Sex, Body, and Identity I
 GEND 2207E Sex, Body, and Identity II
 HIST 3355E History of Women in Canada
 PSYC 4706E Advanced Neuroanatomy
 SOCI 2235E Sociology of Human Sexual Behaviour

Course Descriptions

Not every course listed in this Calendar is offered every year. Where possible, course cycling has been indicated.

Aboriginal Counselling

ABCO 1006E Aboriginal Counselling Management

Prerequisite: No prerequisite.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course will focus on advanced administration and office protocol in both First Nations and institutional environments. Areas covered will include proposal development; report writing; rules of confidentiality; which will facilitate professional counselling practices. The student will develop skills in budgeting, human relations, program implementation, and knowledge of infrastructure, ethics and accountability. The emphasis on approaches to administration will reflect the philosophy, values, and group dynamics of Aboriginal peoples. This course is primarily for people of Aboriginal ancestry.

Administration

ADMN 0995E Business Information Systems Practicum

Prerequisite: Restricted to students enrolled in the Business Information Systems major.

Credits: Non-Credit

Students will undertake practical projects related to their study of Business Information Systems. Students are required to document 700 hours of work experience during the program and will be evaluated on a pass/fail basis. *Offered every year.*

ADMN 1106E Introductory Financial Accounting I

Prerequisite: No prerequisite.

This introductory course in financial accounting is intended for students with no OAC or CAAT credit (or equivalent) in accounting. (Those having such a credit will not normally be permitted to enrol.)

Hours: Three hours of lecture per week for one term.

Credits: 3.0

The purpose of the course is to develop skills and knowledge necessary for the study of accounting at the university level. Students are introduced to the theoretical foundations of financial accounting and explore the practical tools required for the accumulation and dissemination of financial information for internal and external reporting, planning, control and decision making. Topics include an in-depth study of double-entry book-keeping systems; preparation of working papers; preparation of financial statements; accounting for merchandising concerns; accounting for cash, receivables, and such other topics deemed appropriate by the instructor, as time permits. *Offered every year.*

ADMN 1107E Introductory Financial Accounting II

Prerequisite: ADMN 1106E or an OAC or CAAT credit in accounting (or equivalent)

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course is designed to introduce and explore the fundamental principles and theoretical concepts of financial accounting and the practical tools utilized in the implementation of this theoretical framework. The issues related to accounting for receivables, inventories, tangible and intangible operational assets, short and long-term debt are explored. The nature of the modern business corporation is examined in some detail particularly with a view to understanding the issues related to communicating significant financial information to the many external stakeholders of the business firm. The student's overall understanding of financial accounting is synthesized through extensive study of the statement of changes in financial position and financial statement analysis. *Offered every year.*

ADMN 1136E Introduction to Organizational Behaviour

Prerequisite: ADMN 1156E

Hours: One and one-half hours of lecture and one and one-half hours of laboratory work per week for one term.

Credits: 3.0

This course is designed to introduce students to a number of theoretical and practical aspects of human behaviour and management in work organizations. Organizational behaviour is explored from several interrelated levels of analysis: the overall organization, the individual, groups, and interlinking processes. Topics covered include motivation, job design, leadership, orga-

nizational structure, and organizational change. *Offered every year.*

ADMN 1156E Introductory Professional Skills and Processes

Prerequisite: No prerequisite.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course is designed as an introduction to the skills and processes used in the world of business. The course initially focuses on the customer/product (or service) proposition as the core of any business. With this concept firmly entrenched, students begin to look at the environment that a business must operate under from an economic, legal, ethical and e-commerce perspective and how the basic functional areas of business contribute. Finally, major trends that affect today's business climate are reviewed. *Offered every year.*

ADMN 1157E Written Business Communication

Prerequisite: No prerequisite.

Students may retain no more than six credits of: ENGL 1501E, ENGL 1502E, ENGL 1551E, ENGL 1552E, ENGL 1560E and ADMN 1157E.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course examines the principles of effective business communications. Correct format, style and grammar are emphasized. Practical applications include letters, memos, e-mail, resumes, informal reports, visual aids and oral presentations. This course may not be credited towards Administrative Studies in a Liberal program. *Offered every year.*

ADMN 1167E Business Decision Making

Prerequisite: ADMN 1156E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

In this course, business decision making will be examined in the context of the main functional areas of business--accounting, finance, marketing, human resources, operations, information systems and general management. Classes and assignments will feature group discussion, case studies and the Internet. There will be an emphasis on working in teams, preparing formal presentations, learning how to plan and submit professional reports, and analyzing business situations from a multi-functional perspective. Throughout the course, software and other computer-based resources will be used to enhance the student's work and learning. *Offered every year.*

ADMN 2047E Ethical Decision-Making and Information Technology

Prerequisite: No prerequisite.

This course is intended primarily for students in the Business Information Systems program and all students are required to have a notebook computer.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

Computers have pervaded every aspect of modern life. With their many applications, they have created a revolution as great as the Industrial Revolution, affecting the philosophical, economic, political, and social dimensions of society. The average person is inundated with meaningless information, confronted by new ethical and moral issues, and forced to make decisions about the role that computers will play in his/her life. In this course, the student will examine--through critical thinking, rea-

soning, and effective argument--both the positive and negative consequences of the whole-hearted adoption of the computer into modern life. Issues explored will include computer crime and piracy, viruses, invasion of privacy and job displacement. The course is designed to broaden the student's perspective about computers, and to offer an opportunity to discuss the benefits and potential dangers associated with the spread of technology.

ADMN 2106E Intermediate Accounting I

Prerequisite: ADMN 1107E

Students may not retain credit for both ADMN 2106E and ADMN 2105E.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course provides a detailed treatment of the concepts and procedures involved in corporate external reporting. The focus is on asset recognition and measurement. Specific topics include: cash, current receivables, inventory, capital assets and amortization and intangibles. *Offered every year.*

ADMN 2107E Intermediate Accounting II

Prerequisite: ADMN 1107E

Students may not retain credit for both ADMN 2107E and ADMN 2105E.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course provides a detailed treatment of the concepts and procedures involved in corporate external reporting. The focus is on liabilities and owners equity. Specific topics include: short and long-term liabilities, income taxes, leases, pensions, contributed capital, earnings per share and financial statement analysis. *Offered every year.*

ADMN 2117E Industrial Relations

Prerequisite: ADMN 1136E

Hours: One and one-half hours of lecture and one and one-half hours of laboratory work per week for one term.

Credits: 3.0

This course provides an introduction to the management of human resources in an environment in which all or some employees belong to an organized group, such as a union or association. Topics include the economic, political and social contexts of industrial relations, private/public sector legislation, the union certification process, the collective bargaining process, and the dispute resolution process. A required component of this course is attendance at a day-long simulation exercise on a Saturday. *Offered every year.*

ADMN 2126E Marketing Concepts

Prerequisite: ADMN 1156E and ADMN 1167E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course introduces students to the major concepts and foundations of the marketing discipline. Topics include market segmentation, positioning, forecasting, marketing information systems, product planning and development, product-mix strategies, pricing, distribution, and promotion. Instruction involves a combination of lecture, case study, and project-based formats. *Offered every year.*

ADMN 2127E Marketing for Managers

Prerequisite: ADMN 2126E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course examines new and existing total market and strategic planning processes. It builds on the techniques and concepts covered in ADMN 2126E and focuses primarily on developing comprehensive plans. Different types of national and international markets are examined with an emphasis on retail, service, and not-for-profit sectors. Case studies are the main focus of instruction. *Offered every year.*

ADMN 2137E Management of Human Resources

Prerequisite: ADMN 1136E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course considers the concepts, practices and major functions of personnel management as they relate to overall organizational goals and planning of the organization. Topics include historical foundations, forecasting human resources needs, recruitment and selection, orientation, compensation, training and development, counselling, performance appraisal, and industrial relations. In addition, contemporary issues such as employment equity and affirmative action are discussed. *Offered every year.*

ADMN 2146E Management Accounting and Control I

Prerequisite: ADMN 1107E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course introduces students to the uses and limitations of accounting information for management decision-making. Introduction to product costing, overhead cost analysis, standards costs, variance analysis, contribution accounting, flexible budgeting, responsibility accounting are major topics to be studied. *Offered every year.*

ADMN 2147E Management Accounting and Control II

Prerequisite: ADMN 2146E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

Management planning and control are analysed. Topics include joint costs, cost allocation, transfer pricing, spoilage and defective units, measurement of performance, relevant costing, and advanced capital budgeting techniques. *Offered every year.*

ADMN 2306E Business Ethics

Prerequisite: No prerequisite.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

The role of decision-making in business is placed in the context of basic philosophical perspectives on ethical behaviour. Decision-making tools that reveal both ethical and profitable options are demonstrated, along with skills for formulating an organization's code of ethics. Topics such as downsizing, environmental abuse, community/societal responsibilities, government business relations, gender equality, the use of power, ethics in strategic planning, and cultural diversity are analysed and discussed from a managerial perspective. *Offered periodically.*

ADMN 2606E Business Statistics

Prerequisite: No prerequisite.

Students may not retain credit for both ADMN 2606E and ECON 2126E.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

Topics covered in the course include statistics and probability, statistical measures of central tendency and dispersion, graphical and numerical measures, random variables and probability distributions, binomial, Poisson, and normal distributions. The Central Limit Theorem, point estimation, confidence intervals, tests and hypothesis, correlation are also studied. *Offered every year.*

ADMN 2607E Business Mathematics

Prerequisite: No prerequisite.

Students may not retain credit for both ADMN 2607E and ECON 2127E.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

The areas covered in this course are linear and quadratic functions; mathematics of finance (present value, annuities and perpetuities); linear programming (the graphical solution, the simplex method, primal and dual problems); matrix algebra; calculus (differentiation, integration, partial differentiation, optimization). *Offered every year.*

ADMN 2616E Management Science

Prerequisite: No prerequisite.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

The course introduces students to quantitative techniques in management science. Topics include linear programming and sensitivity analysis, integer programming, transportation and assignment models, network models, waiting line analysis, simulation, decision analysis, Markov processes, and calculus-based solution procedures. The use of computer software packages for management science are examined as a tool in management decision-making, rather than on the underlying mathematical principles. *Offered every second year. Next offered in 2003-2004.*

ADMN 3046E Operations Management

Prerequisite: ADMN 2606E and either ADMN 2607E or ADMN 2616E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

The nature and problems of production management are analysed. Students are introduced to the organization and administration of manufacturing activities and the formal organizational structure of factories. The fundamentals of the production process: the continuity of manufacturing process, the production cycle, time and capacity utilization, plant layout, organizational and economic aspects of the technical preparation of production: product design, manufacturing methods; time standards; production planning and control. Administration of service activities, inventory control, quality control, preventive maintenance, production budget, cost and investment analysis. *Offered every year.*

ADMN 3116E Financial Management I

Prerequisite: ADMN 1107E and ADMN 2607E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

A basic theoretical framework for decision-making in financial management. Emphasis in this course is on financial planning, control, working capital management, short and intermediate term financing. *Offered every year.*

ADMN 3117E Financial Management II

Prerequisite: ADMN 3116E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course covers the mathematics of capital. Topics include budgeting analysis, the capital structure of the firm, cost of capital, long-term financing, valuation of the firm and business failure. *Offered every year.*

ADMN 3127E Accounting Information Systems

Prerequisite: ADMN 1107E

Hours: One and a half hours of lecture and one and a half hours of laboratory work per week for one term.

Credits: 3.0

This course will introduce the student to computerized accounting information systems and their role within modern profit and not-for-profit organizations. The course will focus on evaluating and using systems and software to provide the accounting and management information required by owners, managers, staff, directors or other external stakeholders. The student will have significant hands-on experience with using a computerized accounting system and will also be expected to evaluate and research others during the course. *Offered every year.*

ADMN 3146E Compensation and Rewards

Prerequisite: ADMN 1136E and ADMN 2137E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course provides students with an understanding of the processes, issues, and techniques involved in developing and administering a compensation system. The course covers such topics as legislation, needs analysis, wage and salary administration, job evaluation techniques, employee benefits, and pay equity. *Offered in 2002-2003.*

ADMN 3147E Occupational Health and Safety

Prerequisite: ADMN 2137E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course introduces students to the broad and ever-changing field of occupational health and safety. The course will focus on the technical, legislative, political and personal issues associated with the effective management of occupational health and safety concerns in contemporary Canadian organizations. Major topics will include the Occupational Health and Safety Act, the Workplace Safety and Insurance Board, accident prevention programming, psychological health and stress. *Offered in 2002-2003.*

ADMN 3246E Human Resources Research and Information Systems

Prerequisite: ADMN 2137E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

Understanding computer technology, information generating systems and quantitative methodology have become essential tools in modern human resources management. This course will introduce students to the fast growing field of human resources information systems and include practice with major HRM information systems software packages. *Offered periodically.*

ADMN 3247E Human Resources Planning

Prerequisite: ADMN 2137E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course provides an understanding of the essential elements of the human resources planning process in organizations. Students will acquire knowledge in analyzing, assessing and programming for human resource requirements of organizational business plans and strategies. Quantitative as well as qualitative concepts, approaches and techniques are emphasized. Topics will include forecasting, skills inventory, human resources data systems and creating human resource action plans. *Offered in 2002-2003.*

ADMN 3306E Introduction to Small Business Administration

Prerequisite: Completion of the second year core courses of Administrative Studies, Business Administration or Business Information Systems.

Students may not retain credit for both ADMN 3306E and ADMN 4876E.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course examines the many variables that need to be considered when planning for and/or managing a smaller business. The unique characteristics and problems confronting small businesses and their staff are explored. Topics include small business trends in Canada; accounting, finance, personnel, marketing, production, and control in smaller businesses; planning systems, and information systems in smaller businesses. Examples from the retail, wholesale, service and manufacturing sectors are also studied. *Offered every year.*

ADMN 3307E Gender and Diversity in Organizations

Prerequisite: No prerequisite.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course examines the effects gender and diversity have on the attitudes, behaviours, and treatment of individuals in organizations. In addition, organizational responses to gender and diversity issues are addressed. Women represent the largest workplace minority and the majority of diversity research has examined women's organizational experiences. By focusing on the growing participation of women in organizations, particularly women in management, the course explores the impact of changing demographics and patterns of workforce participation on organizations and personal well-being. The course also examines the effects that other, less well studied forms of diversity, including age, race, sexual orientation, and disability, have on individuals and their organizations. This course may be credited towards Gender Equality and Social Justice.

ADMN 3506E Management of Not-for-Profit Organizations

Prerequisite: Completion of the second year core courses of the BBA or the BA in Administrative Studies.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course explores the key management issues facing the staff and Boards of NPOs from education, culture, community, health, recreation, commercial professional, government, and special-interest sectors. Key topics include the history and magnitude of the not-for-profit sector in Canada and the United States; board governance and structure; marketing, public relations, and cause-related promotion; budgeting and financial control systems; program and service evaluation processes; volunteer management and development; leadership and human resource management; developing and managing fund raising efforts; and innovation in NPOs. *Offered in Spring 2002.*

ADMN 3706E Organizational Structure and Design

Prerequisite: ADMN 1136E and ADMN 2137E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course assists students in understanding the formal and informal design and structure of organizations. A wide variety of organizational types (large, small, private, public, franchise, multinational, etc.) are examined in detail, using contemporary Canadian organizations as case studies. *Offered every year.*

ADMN 3836E Training and Development

Prerequisite: ADMN 1136E and ADMN 2137E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course considers the role of training and development in organizations. Students become familiar with the manner in which training and development is part of the human resource system of an organization; with the psychology of the learning process on which training is partially based; with the basics of needs analysis, program design and program evaluation. *Offered every year.*

ADMN 3837E Organizational Development and Change

Prerequisite: ADMN 1136E and ADMN 2137E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course considers the challenge of developing and changing organizations. The course critically assesses various principles and techniques used by organizations in assessing the need for change, implementation of change programs, including resistance to change, and evaluation of change efforts. The course makes extensive use of case study materials. *Offered every year.*

ADMN 3856E Information Systems

Prerequisite: Completion of second year core courses.

Students in the Business Information Systems major may not retain credit for this course.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course explores the importance of timely and reliable internal and external information to management of both profit and not-for-profit sector organizations. Processes for evaluating and controlling information are explored. The evaluation and design of new and updated computer-based management information systems (MIS) are covered. Other major topics include feasibility

studies, information systems analysis and design, data bases, networking, LANs, and information resource planning. The course looks at how information systems can be evaluated, designed, and modified in both smaller and larger organizations. A combination of cases, lectures, and hands-on applications comprises the main methods of instruction. *Offered every year.*

ADMN 3917E Innovation and Creativity

Prerequisite: No prerequisite.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course will expose students to processes related to developing creative skills and habits. The course will also show students how to apply these new skills, in any organizational setting, in order to help innovate, improve, better, implement, enhance, increase, or strengthen a product, service, opportunity, or person. By reviewing the actual creative processes used to develop a wide variety of innovations throughout history, students will be able to apply these skills and concepts to a real-life community-based project.

ADMN 4126E Management Skills

Prerequisite: ADMN 1136E and ADMN 2137E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This is an advanced level course designed to explore human behaviour and the challenge it poses for the effective administration of organizations. Students learn to assess the impact of a wide range of administrative practices and principles and learn to apply principles to their own behaviour. The course is highly interactive and requires students to practice, and receive feedback on a wide range of communication activities, such as oral presentations during the class. *Offered in 2002-2003.*

ADMN 4136E Research in Management

Prerequisite: ADMN 2606E, ADMN 2137E, ADMN 2126E and ADMN 1136E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course is designed to provide the student with an understanding of qualitative and quantitative research methodologies that can be used in the study of work and management. The course covers experimental designs, field studies, questionnaire design, interview techniques, observation strategies, and ethical considerations. The course requires students to undertake a significant research project.

ADMN 4137E Current Issues in Management

Prerequisite: ADMN 1136E and ADMN 2137E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course is designed to provide an in-depth analysis of contemporary topics in the area of human resources management. The topics vary from year to year, and could include such topics as employment equity in the workplace, affirmative action in the workplace, new approaches to compensation management, personnel management in the small business, restructuring and personnel management in the multinational organization.

ADMN 4145E Field Placement in Human Resources Management

Prerequisite: Permission of the instructor.

Hours: Three hours of lecture per week.

Credits: 6.0

This course involves a placement in the human resources area of an organization. Students are required to undertake a specific project with the organization and are required to write an in-depth report on the outcomes of the project. This course is open only to BBA students who are enrolled in the Human Resources Management stream.

ADMN 4206E International Management

Prerequisite: ADMN 2137E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course focuses on the challenge of management in an international environment. The course aims to provide a general overview of the international business environment and the problems and challenges it presents. In addition, the course examines operational issues related to managing an organization with international interests, drawing on examples from both the private and public sectors. *Offered in 2002-2003.*

ADMN 4606E Business Strategy and Policy I

Prerequisite: Completion of third year core courses of Business Administration or Business Information Systems.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

The objective of this course is to introduce students to the areas of business policy and strategic planning. Through the use of cases, readings and lectures the course aims to provide an awareness of overall organizational goals, company capabilities and strategic environmental opportunities. *Offered every year.*

ADMN 4607E Business Strategy and Policy II

Prerequisite: ADMN 4606E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This is a continuation of the ADMN 4606E course. It emphasizes strategy implementation as opposed to strategy formulation. Company wide objectives are set and departmental policies and activities are planned and implemented. Operating the organization according to the plan, appraising and controlling the operations, making changes in objectives, strategy and tactics are the main elements of this course. *Offered every year.*

ADMN 4816E Personal Taxation

Prerequisite: ADMN 1107E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course is a study of the Federal Income Tax Act as it relates to individuals. The objectives are to explain the theoretical concepts behind specific provisions of the law, to apply the law in practical problems and case settings, to interpret the law, taking into account the specific wording of the provisions, judicial decisions and Revenue Canada's position, and to introduce basic tax planning concepts through problem application. *Offered in 2002-2003.*

ADMN 4817E Corporate Taxation

Prerequisite: ADMN 4816E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course is a study of the Federal Income Tax Act as it relates to corporations. The objectives are to explain the theoretical concepts behind specific provisions of the law, to apply the law in practical problems and case settings, to interpret the law, tak-

ing into account the specific wording of the provisions, judicial decisions and Revenue Canada's position, and to introduce basic tax planning concepts through problem application. *Offered in 2002-2003.*

ADMN 4826E Operational Auditing

Prerequisite: ADMN 2106E and ADMN 2107E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

The primary concern of this course is with the duties of internal auditors. Internal auditing is an independent appraisal activity within an organization for the review of operations as a service to management. It is a managerial control which functions by measuring and evaluating the effectiveness of other controls. The conceptual knowledge and activities involved in achieving this objective are the subject of this course. Detailed knowledge of accounting and financial statement presentation are adequately covered in various accounting courses and need not be repeated here.

ADMN 4827E Auditing

Prerequisite: ADMN 2106E and ADMN 2107E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

The rules of internal and external auditors are contrasted. The development of the audit function, the auditors opinion, the theory of audit evidence and internal control evaluation, the selection, scope, and application of auditing procedures, legal requirements and professional standards, operational auditing are studied in depth. *Offered in 2002-2003.*

ADMN 4836E Advanced Accounting Topics I

Prerequisite: ADMN 2106E and ADMN 2107E

Must complete both with a minimum grade of 60%.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

The major topics in this course include business combinations, long-term inter-corporate investments and the preparation of consolidated financial statements. Attention is also given to accounting for income taxes and to the translation of foreign currency transactions; and foreign currency financial statements.

ADMN 4837E Advanced Accounting Topics II

Prerequisite: ADMN 2106E and ADMN 2107E

Must complete both with a minimum grade of 60%.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course is designed to review current and emerging issues in accounting theory, such as environmental accounting, accounting for financial instruments and non-profit organizations. The process of standard setting and the development of GAAP are reviewed including recent Exposure Drafts, Research Studies and Emerging Issues Abstracts. Other topics include accounting for specific industries.

ADMN 4866E Advanced Cost Accounting Topics I

Prerequisite: ADMN 2146E, ADMN 2147E, ADMN 2606E and ADMN 2616E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course is designed to integrate quantitative techniques, such as linear programming, regression analysis, probability

theory, decision tree, etc. with selected cost and management accounting topics, such as, cost-volume-profit analysis, capital budgeting variance analysis, etc. This course is aimed at decision-making under conditions of uncertainty and emphasizes the use of quantitative analysis extensively.

ADMN 4887E Advanced Management Accounting Topics I

Prerequisite: ADMN 2146E and ADMN 2147E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course covers advanced topics in management accounting, as a complement to the advanced topics in cost accounting covered in ADMN 4866E. The course explores the application of advanced management accounting techniques and analysis to the successful management of business enterprises. Topics include management decision-making for planning, control, and performance evaluation. *Offered in 2002-2003.*

ADMN 4896E Current Topics in Administration I

Prerequisite: Completion of second year core courses of the BBA or BA in Administrative Studies.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course is offered in different areas each year, depending upon the interests of the students and faculty and is intended to cover areas not covered by other courses. It also offers a vehicle for an experimental trial run of a course before deciding to incorporate it in the regular course offerings. *Topic: E-Commerce. Offered in 2002-2003.*

ADMN 4897E Current Topics in Administration II

Prerequisite: Completion of second year core courses of the BBA or BA in Administrative Studies.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course is offered in different areas each year, depending upon the interests of the students and faculty and is intended to cover areas not covered by other courses. It also offers a vehicle for an experimental trial-run of a course before deciding to incorporate it in the regular course offerings. *Topic: Environmental Management and Sustainable Development. Offered in Spring 2002.*

ADMN 4916E Entrepreneurship

Prerequisite: ADMN 1136E, ADMN 2126E and third or fourth year in the BBA program.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course explores the processes involved in turning an idea into a feasible business opportunity. Students explore the process of generating and evaluating business ideas for new products and services, and also for ventures based on identified market need. The process of completing an initial marketing plan for an opportunity identified by the student is the main thrust of this course. Other topics covered include starting a business and buying established ventures, franchising, assessing entrepreneurial potential, protecting innovative ideas, preparing marketing studies, and estimating potential demand.

ADMN 4926E EDP Auditing

Prerequisite: ADMN 2106E and ADMN 2107E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course provides students with an understanding of EDP auditing. Specific topics include: information technology and accounting systems, controls, computer assisted auditing techniques, system and data testing and emerging issues related to information technology and auditing. *Offered in 2002-2003.*

ADMN 4927E Advanced Auditing

Prerequisite: ADMN 2106E and ADMN 2107E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course is designed to provide the student with an understanding of advanced and current issues facing the auditing profession. Specific topics include: the role of the auditing profession, audit framework and underlying theories, comprehensive auditing, audit of pension plans, environmental auditing and audit of small businesses. *Offered in 2002-2003.*

ADMN 4995E Worksite Project

Prerequisite: Restricted to students in the fourth year of the Business Information Systems program.

Credits: 6.0

In this final 8-week placement/project, approved by the course supervisor(s), the student will gain further practical training and experience, and apply the theory and skills learned throughout the program in a specific workplace environment with a participating business or community partner. This experience will also help the student learn to recognize strengths and weaknesses in her/his own work habits, to develop confidence in working and dealing with others, to adapt to the realities of the workplace, and to gauge her/his suitability to a particular business area. The student will be evaluated both on workplace performance and on a detailed project report submitted at the end of the placement. *Offered every year.*

Anthropology

ANTR 1005E Introduction to Anthropology: Understanding Humankind

Prerequisite: No prerequisite.

Hours: Three hours of lecture per week.

Credits: 6.0

Anthropology is the study of human biological and cultural adaptations in time and space, and surveys four major subfields: archaeology, the techniques for gathering and interpreting data about past human behaviour; physical/biological anthropology, the study of human physical variation, including human evolution and the comparison of humans to other primates; linguistics, the study of the structure and distribution of human languages; and social/cultural anthropology (including ethnology), the comparison of different cultures around the world and analysis of their underlying structures. Applied anthropology, including the identification and resolution of contemporary social issues, is also examined. *Offered periodically. Offered in Spring 2002.*

ANTR 2025E Elementary Archaeology

Prerequisite: No prerequisite.

Hours: Two hours of lecture and one of lab per week.

Credits: 6.0

Archaeology as the study of past cultures through their material remains, surveys basic concepts of the discipline and uses examples from key periods in human development to illustrate how archaeologists investigate past human behaviour. Integrated laboratory sessions, together with a brief field trip and excavations, familiarize students with basic archaeological research methods, techniques of analysis, and the effective communication of results. This course may be credited towards Classical Studies. *Offered periodically.*

ANTR 2035E Ethnology of North American Native Peoples

Prerequisite: ANTR 1005E

Hours: Three hours of lecture per week.

Credits: 6.0

The course describes and compares the socio-cultural systems of the original peoples of North America as they were at the time of contact with European cultures. After an introduction to the peopling of North America and the development of North American native culture areas and languages, this course examines comparative processes of social organization and adaptation. The following aboriginal culture areas north of Mexico are surveyed: the Southeast, the Eastern Agriculturalists and other Eastern Woodlands groups, the Plains and the Prairies, the Southwest, the Intermontane area (including the Great Basin, California, and the Plateau), the Northwest Coast, the Subarctic, and a brief examination of the Arctic. This course may be credited towards Native Studies.

For Art courses, see Fine Arts.

Astronomy

ASTR 1010E Introduction to Astronomy

Prerequisite: No prerequisite.

Hours: Three hours of lecture per week plus observing sessions where possible.

Credits: 6.0

The course investigates the evolution and physical properties of the universe as we know it. Topics examined include an historical overview of the role of astronomy in the development of the physical sciences, current theories on cosmology, the evolution of galaxies, star formation and structure, supernovae, pulsars, black holes, quasars and dark matter, and the solar system, including results of spacecraft exploration to eight of the nine planets. This course is designed for non-science majors or anyone with an interest in astronomy. The level of mathematics required will be limited to simple algebra. *Offered in 2002-2003 and offered in Spring 2002.*

Biology

BIOL 1006E Introduction to Molecular and Cell Biology

Prerequisite: No prerequisite.

Students may not retain credit for both BIOL 1306E/BIOL 1716E and BIOL 1006E/BIOL 1007E.

Hours: Three hours of lecture and three hours of laboratory work per week for one term.

Credits: 3.0

This course examines the fundamentals of biology at the molecular and cellular levels. *Offered every year.*

BIOL 1007E Introduction to Organismal and Evolutionary Biology

Prerequisite: BIOL 1006E

Students may not retain credit for both BIOL 1306E/BIOL 1716E and BIOL 1006E/BIOL 1007E.

Hours: Three hours of lecture and three hours of laboratory work per week for one term.

Credits: 3.0

This course is an overview of the biological principles and processes at the whole organism level, from an evolutionary perspective. *Offered every year.*

BIOL 1216E Environmental Microbiology I

Prerequisite: No prerequisite.

This course is intended primarily for students in the Environmental Biology and Technology program.

Hours: Two hours of lecture and four hours of laboratory work per week per fourteen week term.

Credits: 3.0

This course will provide an introduction to culture techniques, media preparation, identification techniques and aseptic techniques. Theory will be augmented with laboratory sessions involving aseptic techniques, isolation and identification. *Offered every year.*

BIOL 2107E Limnology

Prerequisite: BIOL 2446E and CHEM 2106E

Students may retain credit for only one of BIOL 2107E, ENSC 2107E, or GEOG 4127E.

Hours: Three hours of lecture and three hours of laboratory work per week per fourteen week term.

Credits: 3.0

The student will study the chemical and physical factors affecting the aquatic environment, as well as the biological interactions within the system. Previously learned concepts and techniques from general ecology, chemistry, microbiology and instrumentation will be employed in the analysis of a specific ecosystem: the lake. *Offered every year.*

BIOL 2116E Principles of Microbiology

Prerequisite: BIOL 1007E or BIOL 2707E

Hours: Three hours of lecture and three hours of laboratory work per week for one term.

Credits: 3.0

This course provides an introduction to microbiology with topics including the morphology, structure, classification, nutrition and growth of microbes and basic immunology. The course will also offer a survey of infectious diseases; an examination of environmental effects on microbes; the study of mutation and

genetic recombination; and an analysis of antimicrobial chemotherapeutic agents. *Offered every year.*

BIOL 2206E Introduction to Biochemistry

Prerequisite: No prerequisite.

Restricted to students in a Bachelor of Science degree.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course provides an introduction to the chemistry, structure, and function of carbohydrates, lipids, proteins, and nucleic acids. Topics include basic metabolism of carbohydrates and fats, with emphasis on the biochemical fluctuations that occur in human health and disease; an introduction to enzymes; DNA replication and protein synthesis; and molecular genetics. *Offered every year.*

BIOL 2207E Environmental Microbiology II

Prerequisite: BIOL 1216E

This course is intended primarily for students in the Environmental Biology and Technology program.

Hours: Two hours of lecture and three hours of laboratory work per week per fourteen week term.

Credits: 3.0

Methods of controlling microbial growth, water and sewage microbiology, microbial genetics, biotechnology, water-borne pathogens and the influence of microorganisms in nutrient cycles will be investigated. The student will perform control experiments and be involved in the isolation, enumeration, and identification of microorganisms from water samples. *Offered every year.*

BIOL 2336E Biology of Seedless Plants

Prerequisite: BIOL 1007E

Hours: Three hours of lecture and three hours of laboratory work per week per term.

Credits: 3.0

An examination of the structure, taxonomic and evolutionary relationships, physiology, ecology and economic importance of photosynthetic organisms belonging to the groups cyanobacteria, algae, fungi, lichens, bryophytes, ferns and fern allies.

BIOL 2337E Biology of Seed Plants

Prerequisite: BIOL 1007E

Hours: Three hours of lecture and three hours of laboratory work per week per term.

Credits: 3.0

This course examines plant structure and function and the relationship of plants to their environment and to human activities. Topics include plant classification; evolution; growth and development; reproductive biology; photosynthesis; nutrient, water, and energy relations; and economic botany. *Offered every year.*

BIOL 2407E Environmental Toxicology

Prerequisite: BIOL 1007E and CHEM 1005E

Hours: Three hours of lecture and three hours of laboratory work per week per term.

Credits: 3.0

This will course will introduce the student to the methods used to assess the biological effects of various substances which occur naturally or artificially in the environment. Acute and chronic toxicity experiments on plant and animal species will be conducted. *Offered every year.*

BIOL 2446E Principles of Ecology

Prerequisite: BIOL 1007E

Hours: Three hours of lecture and three hours of laboratory work per week for one term.

Credits: 3.0

This course is an introduction to the study of the interaction of organisms and the environment. Topics include physiological ecology, population ecology, ecosystem processes, and life history strategies. An emphasis is placed on selected terrestrial, wetland and aquatic environments. *Offered every year.*

BIOL 2557E Genetics

Prerequisite: BIOL 1007E

Hours: Three hours of lecture and three hours of laboratory work per week for one term.

Credits: 3.0

This course examines fundamental concepts of genetics. Topics include mechanisms and patterns of inheritance, structure and function of DNA, mutations, population genetics, biological variability, natural selection, and the significance of the Human Genome Project. *Offered every year.*

BIOL 2706E Human Anatomy and Physiology I

Prerequisite: BIOL 1007E or must be registered in BScN program.

Students may not retain credit for BIOL 2706E and BIOL 1706E.

Hours: Three hours of lecture and three hours of laboratory work per week for one term.

Credits: 3.0

This course describes basic human anatomy and physiology at the cellular, tissue, organ and system levels of organization. *Offered every year.*

BIOL 2707E Human Anatomy and Physiology II

Prerequisite: BIOL 2706E

Students may not retain credit for both BIOL 2707E and BIOL 1707E.

Hours: Three hours of lecture and three hours of laboratory work per week for one term.

Credits: 3.0

This course is a continuation of BIOL 2706E and further examines basic human anatomy and physiology at various levels of biological organization. *Offered every year.*

BIOL 2836E Invertebrate Zoology

Prerequisite: BIOL 1007E

Students may not retain credit for both BIOL 2836E and BIOL 2736E.

Hours: Three hours of lecture and three hours of laboratory work per week for one term.

Credits: 3.0

This course will survey the major invertebrate taxa, including protists and non-vertebrate chordates, by examining and comparing life cycles, ecology, anatomy, and physiology of representative species. Emphasis will be placed on invertebrate groups with regional, evolutionary, ecological, or economic importance. Laboratory work will include specimen collection, identification, and preservation. *Offered every year.*

BIOL 2837E Vertebrate Zoology

Prerequisite: BIOL 1007E

Students may not retain credit for both BIOL 2837E and BIOL 2736E.

Hours: Three hours of lecture and three hours of laboratory work per week for one term.

Credits: 3.0

An examination of the classes of vertebrate animals in terms of evolutionary, taxonomic, structural, physiological and ecological characteristics. Laboratory classes will emphasize identification of specimens, relationships between form and function, life histories, evolution, and classification. *Offered in 2002-2003.*

BIOL 3006E Environmental Interpretation and Communication

Prerequisite: BIOL 2446E

Students may not retain credit for both BIOL 3006E and ENSC 3006E.

Hours: Two hours of lecture and two hours of laboratory work per week for one term.

Credits: 3.0

Through the exploration of a forest ecology theme, the student will develop interpretation and communication skills in environmental science. Lectures in introductory forest ecology will provide a framework for examining various aspects of research, including: literature review; experimental design and technique; data interpretation and presentation; scientific writing; and the use of various tools in preparing and presenting seminars, posters and scientific documents. This information will be applied directly to individual and/or group research projects. One or two required field trips will be taken on weekends early in the term.

BIOL 3007E Environmental Issues in Forestry

Prerequisite: BIOL 2446E

Students may not retain credit for both BIOL 3007E and ENSC 3007E.

Hours: Three hours of lecture and three hours of laboratory work per week for one term.

Credits: 3.0

This course will introduce the student to forest ecology with an emphasis on the autoecology of important organisms; the structure, function and diversity of communities and ecosystems; responses of organisms and ecosystems to stress and disturbance; and the management of forest resources from an ecological perspective. Mandatory weekend field trip(s) will be conducted early in the semester. *Offered in 2002-2003.*

BIOL 3066E Flora of Northern Ontario

Prerequisite: BIOL 2337E

Hours: Three hours of lecture and three hours of laboratory work per week for one term.

Credits: 3.0

A survey of the vascular plants of Northern Ontario through the application of taxonomic concepts and methods with reference to plant classification, nomenclature and practical field identification. Students are required to make and present a plant collection of flowering plants and non-flowering vascular plants. Students who are planning to take this course should consult with the Biology department for information on how to proceed with collecting and preparing plants in the spring and summer prior to the course. Opportunities to collect plants will also

occur during field trips held early in the term. *Offered in 2002-2003.*

BIOL 3117E Biostatistics

Prerequisite: BIOL 1007E and MATH 1257E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

Students will learn the philosophical underpinnings of experimental design in traditional and contemporary biological inquiry. Data sets that highlight both field and laboratory realities will be analyzed and interpreted using basic univariate and/or multivariate statistical techniques on common software packages.

BIOL 3236E Plant Ecology

Prerequisite: BIOL 2446E (BIOL 2337E recommended)

Hours: Three hours of lecture and three hours of laboratory work per week for one term.

Credits: 3.0

This course will examine the relationships between plants and physical, chemical, and biotic factors in the environment. Topics include: ecophysiology; population, community and ecosystem ecology; adaptations; and response to stress and disturbance. One or two required field trips will be taken on weekends early in the term. *Offered in Spring 2002.*

BIOL 3277E Animal Ecology

Prerequisite: BIOL 2446E and one of BIOL 2836E or BIOL 2837E

Hours: Three hours of lecture and three hours of laboratory work per week for one term.

Credits: 3.0

This course will examine ecological relationships among animals and their environments, inter- and intra-species relationships, factors affecting population phenomena, and various practical applications of these principles, including pest management, wildlife management, and conservation of endangered species. *Offered every year.*

BIOL 3397E Introductory Soil Science

Prerequisite: A knowledge of basic chemistry.

Hours: Three hours of lecture and three hours of laboratory work per week for one term.

Credits: 3.0

Soil-forming factors and the pedogenic process are examined. The physical, chemical, and biological properties of soils. Soil classification. *Offered every second year. Offered in 2002-2003.*

BIOL 3436E Conservation Biology

Prerequisite: BIOL 2446E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course explores the science and management of scarcity and diversity. Issues covered include fitness and viability of populations of plants and animals, effects of habitat fragmentation, habitat supply analysis, measures of biodiversity and sustainability, issues of scale, special needs of sensitive species, and aspects of the design of ecological reserves. The degree to which these concepts are integrated into current management practices are discussed. *Offered in 2002-2003.*

BIOL 3437E Community Ecology

Prerequisite: BIOL 2446E or MATH 1257E

Hours: Three hours of lecture and three hours of laboratory work per week for one term.

Credits: 3.0

This course compares the structure, function, and limiting factors of a variety of communities such as grasslands, forests, marine, wetland and riparian. Related topics will include keystone and indicator species, aspects of ecological succession, the use of Forest Ecosystem Classifications in forest management, and statistical methods for community analysis with emphasis on multivariate techniques. Student projects will be an important component of the course.

BIOL 3567E Ethnobotany

Prerequisite: This course is restricted to students enrolled in the third or fourth year of any degree program.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

An examination of the "science of people's interaction with plants"; the role of human societies in the discovery, development and dispersal of food, drug and economic plants; a focus on First Nations' uses of plants in addition to plant-human interactions in other world cultures; a multidisciplinary approach involving botany, biochemistry, pharmacology, anthropology, sociology, ethnology and spirituality.

BIOL 3596E Ornithology

Prerequisite: BIOL 2837E

Hours: Three hours of lecture and three hours of laboratory work per week for one term.

Credits: 3.0

This course is an introduction to the biology of birds with emphasis on the anatomy, physiology, reproductive behaviour and ecology of the principal avian families. Field identification, distribution, migration and census techniques will be covered with reference to Ontario species. *Offered in 2002-2003.*

BIOL 3717E Animal Behaviour

Prerequisite: Restricted to students in the third or fourth year of a Bachelor of Science degree.

Students may not retain credit for BIOL 3717E and BIOL 4717E.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course is an introduction to the study of animal behaviour with emphasis on the ethological approach. This course may be credited towards Psychology. *Offered in Spring 2002.*

BIOL 4107E Freshwater Biology

Prerequisite: Restricted to students in the third or fourth year of the Honours Biology or Environmental Biology and Technology program.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

Students will survey major taxonomic groups of aquatic organisms and study morphological and physiological adaptations that allow aquatic biota to occupy dilute and dynamic freshwater habitats. Although emphasis will be placed on locally indigenous species, globally significant freshwater issues will be discussed. These topics include the effects of water pollution on freshwater biota, freshwater distribution and abundance, and the future of freshwater.

BIOL 4397E Soil Biology and Soil Chemistry

Prerequisite: BIOL 3397E

Hours: Three hours of lecture and three hours of laboratory per week for one term.

Credits: 3.0

The course is a continuation of soil science topics introduced in BIOL 3397E with particular emphasis on the soil as a biotic environment. Special attention is given to the biological and chemical properties of soils and the taxonomy and interactions of soils, soil organisms and clay minerals. The importance of the soil solution and plant-soil relationships is also stressed. Labs demonstrate a variety of scientific methods for investigating the soil biota, analysing the colloidal organic and clay mineral fractions, and testing the chemical properties of the soil solution. *Offered periodically.*

BIOL 4506E Special Topics in Applied Ecology

Prerequisite: Restricted to students in the third or fourth year of the Honours Biology or Environmental Biology and Technology programs.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This lecture/seminar course will examine a specific topic or theme in applied ecology (e.g. restoration ecology, forest ecology, or global environment change), with an emphasis on relating ecological and management issues.

BIOL 4607E Environmental Biology Seminar

Prerequisite: Restricted to students in the third or fourth year of the Honours Biology or Environmental Biology and Technology programs.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

In this seminar course, students will critically evaluate topics in environmental biology and ecology from the current research literature, and present seminars on their preliminary honours thesis results as well as on topics outside their thesis area. *Offered in 2002-2003.*

BIOL 4976E Biology Field Camp

Prerequisite: Restricted to students in the third or fourth year of the Honours Biology or Environmental Biology and Technology programs.

Credits: 3.0

This course will consist of a one-week intensive field camp (held immediately prior to the fall session or during the spring or summer session) designed to familiarize students with organisms and environments. Emphasis will be placed on survey and sampling techniques. Materials and data collected in the field will be identified, analysed and used to develop a major report and presentation later in the term. The location and main theme of each camp (e.g. terrestrial or freshwater ecology) may vary with the instructor. Each student will be required to pay the costs of transportation, accommodation and meals associated with the field camp experience. *Offered in 2002-2003.*

BIOL 4995E ThesisPrerequisite: Restricted to students in the fourth year of the Honours Biology and Environmental Biology and Technology program. *Students planning to take this course during the following Spring/Summer or Fall/Winter session must apply in writing to the discipline no later than February 15.*

Hours: Three hours of lecture per week.

Credits: 6.0

With the approval of the discipline, the student will individually plan and conduct a field and/or laboratory research project under the supervision of an appropriate faculty member. The student will also be required to present a seminar on the research, and to write the project up in dissertation form. All research projects must be supervised or co-supervised by a full-time faculty member of the Biology Department. Student project proposals and final seminars will be reviewed or evaluated by Departmental Committee. *Offered every year.*

Cross-Listed Courses

The following courses may be counted towards Biology in a Liberal program, up to a maximum of nine credits: PSYC 2605E, PSYC 2906E, PSYC 2907E and PSYC 3506E.

Chemistry

CHEM 1005E General Chemistry

Prerequisite: OAC Chemistry

Hours: Three hours of lecture and three hours of laboratory work per week.

Credits: 6.0

This introductory course examines the fundamental principles of physical, inorganic and organic chemistry with emphasis on the modern concepts that underlie the science of chemistry. *Offered every year.*

CHEM 2046E Environmental Analytical Chemistry

Prerequisite: CHEM 1005E

This course is intended primarily for students in the Environmental Biology and Technology program.

Hours: Three hours of lecture per week for fourteen week term.

Credits: 3.0

The student will study the theory of environmental chemical analysis including sampling methods, chemical preparation of the sample, and the final analysis. Instrumental methods of analysis will be emphasized including spectroscopic methods (visible spectroscopy and atomic absorption) and electrochemical methods (pH and ion specific electrode, conductivity, and dissolved oxygen methods). Laboratory experiments involving these techniques will be done. *Offered in 2002-2003.*

CHEM 2106E Analytical Chemistry I

Prerequisite: CHEM 1005E

This course is intended primarily for students in the Environmental Biology and Technology program.

Hours: Three hours of lecture and three hours of laboratory work per week per fourteen week term.

Credits: 3.0

The theory and techniques of acid-base analysis, precipitation and complexometric analysis and redox analysis will be studied. Laboratory experiments involving these techniques will be conducted.

CHEM 2206E Analytical Chemistry II

Prerequisite: CHEM 2106E

This course is intended primarily for students in the Environmental Biology and Technology program.

Hours: Three hours of lecture per week per fourteen week term.

Credits: 3.0

In this course, the student will study the theory of instrumental chemical analysis including optical methods (visible spectroscopy, atomic absorption and emission and fluorescence), chromatographic methods (gas chromatography, ion exchange, and column chromatography), and electrochemical methods (coulometric titration).

Classical Studies

CLAS 1005E Greek and Roman Civilization

Prerequisite: No prerequisite.

Hours: Three hours of lecture per week.

Credits: 6.0

The course introduces the student to classical culture and civilization. Ancient literature, religion, philosophy, art and architecture, social and political thought and classical influences on the course of western society are discussed. *Offered every year.*

CLAS 1105E Introductory Latin

Prerequisite: No prerequisite.

Hours: Three hours of lecture per week.

Credits: 6.0

This course presents the fundamentals of Latin for students with little or no previous knowledge of the language. After learning to read simplified adaptation, students will proceed to study the language from actual Latin literature. Emphasis is placed on the cultural and linguistic debt which the modern world owes to the ancient Romans. *Offered every second year. Offered in 2002-2003.*

CLAS 2005E Classical Mythology

Prerequisite: No prerequisite.

Hours: Three hours of lecture per week.

Credits: 6.0

This course introduces the student to classical Greek and Roman myths and legends in their historical, literary and religious contexts. The course is based partly on readings in English of excerpts from ancient writers and partly on archaeological evidence and modern representations of mythological themes. This course may be credited towards Religious Studies.

CLAS 2105E Greek Literature in Translation

Prerequisite: No prerequisite.

Hours: Three hours of lecture per week.

Credits: 6.0

A survey of epic, dramatic and lyric poetry is illustrated by readings in English of excerpts from Homer, Aeschylus, Sophocles, Euripides, Aristophanes, Sappho, and Pindar among others. Some time is also devoted to such prose writers as Herodotus and Thucydides. *Offered every year.*

CLAS 2115E Intermediate Latin

Prerequisite: CLAS 1105E

Hours: Three hours of lecture per week.

Credits: 6.0

This course continues and completes the studies of Latin syntax, vocabulary, and grammar which were begun in CLAS 1105E with further attention to cultural and historical aspects of the life and values of the Roman people. Students will read a variety of appropriate selections of Latin prose and verse from the Republican to the Silver Age. *Offered every second year. Next offered in 2003-2004.*

CLAS 2305E The Greek and Roman Historians

Prerequisite: No prerequisite.

Hours: Three hours of lecture per week.

Credits: 6.0

The historical aims, methods and literary style of ancient historians are studied. The course includes an examination of the ancient historians' estimate of human, moral and social behaviour as this relates to the thought of the time.

CLAS 2405E Greek and Roman Military History

Prerequisite: CLAS 1005E

Hours: Three hours of lecture per week.

Credits: 6.0

This course will explore the development of the first modern style armies of the world. Through the use of textual material and ancient art we will examine the main elements of Greek and Roman military tradition and survey some of the key battles of these periods. The technologies and tactics developed in these periods still form many of the bases of modern warfare.

CLAS 2505E Classical Art and Architecture

Prerequisite: No prerequisite.

Hours: Three hours of lecture per week.

Credits: 6.0

The course examines ancient Greek and Roman art and architecture based on archaeological evidence and historical and literary records. This course may be credited towards Fine Arts.

CLAS 2705E Greek and Roman Theatre

Prerequisite: No prerequisite.

Hours: Three hours of lecture per week.

Credits: 6.0

The theatre in antiquity was one of the central institutions of the society. This course will explore not only the physical structure of the buildings themselves, but will also focus on the role which the theatre played in the political, religious and cultural life of both Athens and Rome. Texts from the period will be surveyed to shed light on the artistic production of the plays rather than on their literary significance.

CLAS 3095E Women in Classical Antiquity

Prerequisite: GEND 1025E or WOMN1005 or any Classics course.

Students may not retain credit for both CLAS 2095E and CLAS 3095E.

Hours: Three hours of lecture per week.

Credits: 6.0

Women in Ancient Greece and Rome from the Bronze Age to the late Roman Empire are presented. Topics include the experience of women in Classical society, women in family law, feminine religious cults, and the portrayal of women in Classical Literature and visual arts. A wide variety of literary texts are examined to show the Classical roots of common attitudes towards women in Western society. This course may be credited towards Gender Equality and Social Justice. *Offered in 2002-2003.*

CLAS 3105E Roman Literature in Translation

Prerequisite: No prerequisite.

Hours: Three hours of lecture per week.

Credits: 6.0

Major Latin writers from the beginnings to the Silver Age are studied in detail. A special emphasis is placed on national or

patriotic literature as exemplified in the works of Cicero, Virgil, and Livy.

CLAS 3305E Ancient Thought: From Myth to Argument

Prerequisite: No prerequisite.

Hours: Three hours of lecture per week.

Credits: 6.0

This course examines the earliest ideas of Western civilization. Creation myths, floods myths, the myth of the hero, wisdom literature and the mysteries of death and the afterlife will be traced from their roots in the Ancient Near East to their later formulations in the Old Testament and Greek mythology. The course also explores the origins of civic, social, economic, and religious communities. All readings will be done in English or in English translation. This course may be credited towards Religious Studies. *Offered in 2002-2003.*

CLAS 3115E Intermediate Latin II

Prerequisite: CLAS 2115E

Hours: Three hours of lecture per week.

Credits: 6.0

This course provides a more advanced study of Latin syntax, vocabulary and grammar, continuing from CLAS 2115E, with further emphasis on the reading of Latin authors. *Offered in Spring 2002.*

CLAS 3505E Directed Studies

Prerequisite: Approval of the discipline is required prior to registration. *Students wishing to take this course during the following Spring/Summer or Fall/Winter Session must apply in writing to the discipline no later than February 15.*

Credits: 6.0

Qualified students may do special studies in Classics beyond or outside regular discipline offerings. The student's work is supervised by a faculty member. Written work and periodic discussions are required, as well as fieldwork, where specified. *Offered every year.*

Cross-Listed Courses

The following courses may be counted towards Classical Studies: ANTR 2025E, FAVA 1206E, FAVA 1207E, HIST 2055E and PHIL 2305E.

Computer Science

COSC 0997E Computer Science Practicum

Prerequisite: Completion of the first year core courses of a Computer Science major.

This course is intended primarily for students in a Computer Science major and all students are required to have a notebook computer.

Credits: Non-Credit

In this non-credit practicum, students will complete an approved computer-oriented project or task(s) in a business enterprise, organization or institution. Evaluation will be on a pass/fail basis. *Offered every year.*

COSC 1366E Microcomputer Productivity Tools

Prerequisite: No prerequisite.

This course is intended primarily for students in the Business Information Systems and Computer Science programs and all students are required to have an appropriately configured notebook computer.

Students may not retain credit for COSC 1366E and any of: COSC 1346E, COSC 1357E or COSC 1607E.

Hours: Two hours of lecture and two hours of laboratory work per week for one term.

Credits: 3.0

Business professionals need effective and practical tools to produce professional-looking, easily-maintained documents, and effective financial planning requires the ability to generate "what-if" scenarios and a variety of graphic representations of raw data. In this course, the student will develop a working knowledge of currently popular business software in the Windows environment, particularly word processing, electronic spreadsheet, presentation graphics, and e-mail applications. The skills learned in this course will enable the student to more productively complete assignments and projects at school as well as in business and industry. Through the completion of hands-on assignments, the student will gain experience in trouble-shooting problems that occur during microcomputer application use. *Offered every year.*

COSC 1557E Introduction to Computer Science

Prerequisite: No prerequisite.

Hours: Three hours of lecture and one hour of laboratory work per week for one term.

Credits: 3.0

This course introduces problem analysis and structured program design. Control structures for conditional execution, repeated execution, subprograms and recursion are introduced. Representation of information, including homogeneous and non-homogeneous linear data structures and files, is investigated. *Offered every year.*

COSC 1566E Visual Basic I

Prerequisite: No prerequisite.

This course is intended primarily for students in the Business Information Systems program and all students are required to have an appropriately configured notebook computer.

Hours: Three hours of lecture and two hours of laboratory work per week for one term.

Credits: 3.0

Visual Basic has become one of the industry standards for Windows programming. It teaches a visual and event-driven

approach to programming which is the norm for new programming tools. It also provides an excellent environment for learning the fundamentals of programming. There has been a strong demand for Visual Basic in the workplace. This course will develop basic programming skills in an event-driven programming environment. The Windows interface and the full range of available controls will be applied. The use of properties, methods, and event procedures will be used throughout the course in increasingly sophisticated projects. Programming fundamentals will be introduced as needed, including: constants, variables, calculations, decisions, loops, functions, and procedures. *Offered every year.*

COSC 1567E Programming in C++ (formerly COSC 2557E)

Prerequisite: COSC 1557E

Students may not retain credit for both COSC 1567E and COSC 2557E.

Hours: Three hours of lecture and one hour of laboratory work per week for one term.

Credits: 3.0

This course provides a comprehensive introduction to the C++ programming language, including functions, pointers, arrays, structures, dynamic memory allocation and object oriented programming. Various applications are also covered, including data bases, computer vision, image processing, artificial neural networks, and problem solving techniques in numerical methods. *Offered every year.*

COSC 1577E Visual Basic II

Prerequisite: COSC 1566E

This course is intended primarily for students in the Business Information Systems program and all students are required to have an appropriately configured notebook computer.

Hours: Three hours of lecture and two hours of laboratory work per week for one term.

Credits: 3.0

This course continues the development of the basic programming skills introduced in Visual Basic I and emphasizes the use of arrays, files and databases. Additional topics such as MDI, OLE and the use of the Windows Clipboard will be introduced as well. The course includes a project designed to consolidate all of the skills learned in the two Visual Basic courses. *Offered every year.*

COSC 1587E Critical Thinking and Programming Logic

Prerequisite: COSC 1566E

This course is intended primarily for students in the Business Information Systems program and all students are required to have an appropriately configured notebook computer.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

A crucial element of programming is the ability to think critically and logically. The student must develop problem-attack skills in order to reduce complex problems to manageable levels. Programmers need to concentrate on the underlying principles that apply at all levels of computing simplicity, clarity, generality, and automation. This course will concentrate on computer programming concepts such as testing procedures, debugging, portability, performance, design alternatives, algorithms, and style by looking at a variety of computer languages. *Offered every year.*

COSC 1606E Data Base Applications

Prerequisite: COSC 1901E or equivalent background knowledge acquired from secondary school, CAAT or other university courses.

Students may not retain credit for both COSC 1606E and COSC 2276E.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course introduces students to data base management systems. Students create data bases, query data bases, analyse the data, create and print out a variety of reports. Programming is included. Data files are imported and exported for use with other packages. Computer concepts are also an integral part of the course and provide students with a broad understanding of the computer and the variety of the applications in today's society. Advanced DOS exposes students to the optimal and creative use of microcomputer hardware and software. *Offered every year.*

COSC 1607E Spreadsheet Applications

Prerequisite: COSC 1901E or equivalent background knowledge acquired from secondary school, CAAT or other university courses.

Students may not retain credit for COSC 1607E and any of: COSC 1346E, COSC 1357E or COSC 1366E.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course introduces students to spreadsheet packages. Students are taught how to create spreadsheets and to generate the what-if scenarios necessary for financial planning. Spreadsheets are integrated with other packages to export and import files between software packages. Graphical presentation of output is part of the instructions as well as programming using Macros. Computer concepts are also an integral part of the course and provide students with a broad understanding of the computer and the variety of applications in today's society. Advanced DOS exposes students to the optimal and creative use of microcomputer hardware and software. *Offered every year.*

COSC 1656E Microcomputer Operating Systems

Prerequisite: No prerequisite.

This course is intended primarily for students in the Business Information Systems and Computer Science programs and all students are required to have an appropriately configured notebook computer.

Hours: Three hours of lecture and two hours of laboratory work per week for one term.

Credits: 3.0

The average businessperson becomes a more efficient user of computer technology with an understanding of the operating system environment within which information system applications run. This course will provide the student with the basic knowledge and skills required to confidently fine tune the operating environment, both for personal and professional use. The student will examine the concepts and characteristics of a currently used, prominent microcomputer operating system through hands-on assignments and lab activities. *Offered every year.*

COSC 1657E Operating Systems I

Prerequisite: No prerequisite.

This course is intended primarily for students in a Computer Science major and all students are required to have an appropriately configured notebook computer.

Hours: Three hours of lecture and two hours of laboratory work per week for one term.

Credits: 3.0

Operating systems are an essential part of any computer system. This course will provide students with the basic concepts of batch, time-sharing, multiprogramming and other operating systems. The students will examine the concepts of operating systems' structures, processes, threads, CPU scheduling, process synchronization, and storage management. Students will be exposed to the Unix-like and other operating system environments. *Offered every year.*

COSC 1707E Internet/Intranet and Research Techniques

Prerequisite: COSC 1366E

This course is intended primarily for students in the Business Information Systems program and all students are required to have an appropriately configured notebook computer.

Hours: One hour of lecture and two hours of laboratory work per week for one term.

Credits: 3.0

Exploitation of the power of the Internet has become a fundamental skill that employers expect of computer literate employees. In this course, the student will gain hands-on experience with an international on-line communication network, the World Wide Web, that provides access to vast research material for virtually all disciplines. The student will learn how to access internal and external TCP/IP databases, perform remote file storage and retrieval through the use of FTP utilities, and use powerful search engines. By employing specific search techniques to explore many manual and on-line database sources, the student will learn to make the search for information more efficient. *Offered every year.*

COSC 1901E Introduction to Computer Applications I

Prerequisite: No prerequisite.

Hours: Three hours per week for one term.

Credits: 3.0

This course introduces general concepts of computer hardware and software. Students learn DOS, structured programming, word processing and computer concepts such as: data models, data structures, and software development. This course may not be credited towards Computer Science in a Liberal program. *Offered every year and offered in Spring 2002.*

COSC 1902E Introduction to Computer Applications II

Prerequisite: COSC 1901E or equivalent background acquired in secondary school, CAAT or other university courses.

Hours: Three hours per week for one term.

Credits: 3.0

This course provides an introduction to statistical packages (e.g. SPSS-PC+ and/or Minitab) required in the social sciences. Students are exposed to text editors, more advanced DOS, and computer system concepts such as batch files, configurations files, TSR programs, secondary and primary memory management. The course includes important theoretical and practical aspects of connectivity such as: modems, local area networks, wide area networks, BBSs, Internet and its resources. This course may not be credited towards Computer Science in a Liberal program. *Offered every year and offered in Spring 2002.*

COSC 2006E Data Structures I

Prerequisite: COSC 1567E and MATH 1056E

This course is intended primarily for students in a Computer Science major and all students are required to have an appropriately configured notebook computer.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course introduces students to abstract data structures. Topics include: lists, sets, stacks, trees and heaps; static and dynamic allocation, pointers; data access, searching and sorting; internal and external computer representation of data. *Offered in 2002-2003.*

COSC 2007E Data Structures II

Prerequisite: COSC 2006E

This course is intended primarily for students in a Computer Science major and all students are required to have an appropriately configured notebook computer.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course introduces data structures and their algorithms. Topics include: self-adjusting lists, binomial heaps, binary search trees, balanced trees, B-trees, and recursive programming. *Offered in 2002-2003.*

COSC 2106E Machine Structures I

Prerequisite: COSC 1557E and MATH 1056E

This course is intended primarily for students in a Computer Science major and all students are required to have an appropriately configured notebook computer.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course introduces basic computer components and computer structured organization. Topics include: combinational circuits, sequential circuits, memories, microprocessors, interfacing; microprogramming, microarchitecture; machine language, addressing, instructions, computer arithmetic; introduction to operating systems; assembly language programming and assembly process. *Offered in 2002-2003.*

COSC 2107E Machine Structures II

Prerequisite: COSC 2106E

This course is intended primarily for students in a Computer Science major and all students are required to have an appropriately configured notebook computer.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course is the continuation of COSC 2106E. Topics include: microprogrammed control, assembly language programming techniques, macroassemblers, conditional assembly, and practical applications of assembly language programming.

COSC 2116E Artificial Neural Network Computing

Prerequisite: COSC 1557E and MATH 1056E

This course is intended primarily for students in a Computer Science major and all students are required to have an appropriately configured notebook computer.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course will introduce principles of Artificial Neural Networks (ANN) computing and its applications. The key models of ANN will be presented and analyzed. Multilayer feedforward networks and Hopfield networks, the principles of Boltzman machines, and supervised and unsupervised learning will be presented and discussed. Several applications of ANN will be analyzed, among them applications to mathematical logic, pattern and image recognition and system control. Students will create and analyze their own models of ANN. *Offered in 2002-2003.*

COSC 2206E Mathematical Computation

Prerequisite: COSC 1557E and MATH 1035E

This course is intended primarily for students in a Computer Science major and all students are required to have an appropriately configured notebook computer.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course provides an introduction to MATLAB, MAPLE or other math computation software. Topics include: problem-solving techniques in several domains of mathematics - calculus, algebra, differential equations, and statistics; symbolic mathematics problem solving; applications to artificial intelligence and image and voice processing; analysis and simulation of dynamic linear and nonlinear systems; and several other practical applications. This course may be credited towards Mathematics. *Offered in 2002-2003.*

COSC 2276E Database Management Systems I

Prerequisite: COSC 1566E

This course is intended primarily for students in the Business Information Systems and Computer Science programs and all students are required to have an appropriately configured notebook computer.

Students may not retain credit for both COSC 2276E and COSC 1606E.

Hours: Two hours of lecture and two hours of laboratory work per week for one term.

Credits: 3.0

Database Management Systems (DBMS) are used by businesses of all sizes to compile information about employees, customers, vendors, and inventories. After an introduction to database and object-oriented concepts and the theory of data structures, the student will design, develop, and implement database systems using a leading microcomputer database application. Through a hands-on approach, the student will learn the basics of database creation and record input, data query, index generation and usage, report generation, and menu generation. *Offered every year.*

COSC 2307E Digital Systems

Prerequisite: MATH 1056E

This course is intended primarily for students in a Computer Science major and all students are required to have an appropriately configured notebook computer.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course will introduce the basics of digital system design. Topics include: number systems and Boolean Algebra; minimization of logic functions; integrated circuits; implementation of logic functions; design of combinational circuits, sequential devices and synchronous sequential circuits; counters, registers, memory devices, interfacing; processor design and microprogramming. *Offered in 2002-2003.*

COSC 2357E VBA Programming

Prerequisite: COSC 1366E and COSC 2276E

This course is intended primarily for students in the Business Information Systems program and all students are required to have an appropriately configured notebook computer.

Hours: Two hours of lecture and three hours of laboratory work per week for one term.

Credits: 3.0

Visual Basic for Applications (VBA), the macro language for Microsoft's Office Suite, provides the user with a new and pow-

erful method for integrating data produced from diverse applications. Specifically, the programmer can seamlessly automate the development of reports which incorporate data from word processing, presentation, database and spreadsheet applications. As a major component of this course, the student's knowledge of programming will be applied to the creation of macros which enhance and automate spreadsheet productivity and build sophisticated custom spreadsheet-based applications. *Offered every year.*

COSC 2477E Database Management Systems II

Prerequisite: COSC 2276E

This course is intended primarily for students in the Business Information Systems program and all students are required to have an appropriately configured notebook computer.

Hours: Two hours of lecture and two hours of laboratory work per week for one term.

Credits: 3.0

A Database Management System allows the business manager to quickly and easily access and manipulate raw data located in several separate files to produce meaningful and sophisticated reports and queries. This course builds on the basics presented in Database Management Systems I. The student will develop skills in creating customized and specialized reports, and will become more aware of the different ways of working with external data. The student will be introduced to advanced query theory, including action queries and lookup tables. The concepts of subforms, macro generation and the creation of switchboards, menus, toolbars, templates, and dialog boxes will also be presented. *Offered every year.*

COSC 2526E Systems Analysis and Design

Prerequisite: COSC 1366E

This course is intended primarily for students in the Business Information Systems program and all students are required to have an appropriately configured notebook computer.

Hours: Two hours of lecture and two hours of laboratory work per week for one term.

Credits: 3.0

The successful development or modification of any computer information system requires careful planning analysis and design. Errors in the early stages of a project can necessitate major reworking during the development and implementation phases. The Information Technology specialist must have the necessary expertise and experience to assist senior business personnel in the analysis and design phases. This course will examine the basic steps required to effectively perform a systems analysis and design project. Techniques of analysis, design, and documentation will be reinforced through a series of case study assignments. The student will also learn to work effectively in groups. *Offered every year.*

COSC 2616E Hardware Evaluation and Installation

Prerequisite: COSC 1656E

This course is intended primarily for students in the Business Information Systems program and all students are required to have an appropriately configured notebook computer.

Hours: Two hours of lecture and two hours of laboratory work per week for one term.

Credits: 3.0

A good understanding of hardware and its interaction with software is critical to the business computing professional, and underlies essential activities such as software installation and configuration, system trouble-shooting, and hardware and software evaluation. This course will examine microcomputer hard-

ware, including available microprocessors, video boards, storage devices, and other peripherals. The student will learn to disassemble and reassemble major components of a microcomputer in a lab setting. The preparation of requests for tenders and contracts for both software and hardware systems will also be presented. *Offered every year.*

COSC 2657E Networking I

Prerequisite: COSC 1656E

This course is intended primarily for students in the Business Information Systems and Computer Science programs and all students are required to have an appropriately configured notebook computer.

Hours: Two hours of lecture and two hours of laboratory work per week for one term.

Credits: 3.0

This course will introduce the student to networking hardware and software concepts. Using Novell's Netware, today's most widely used network operating system (NOS) in businesses of all sizes, operational and administrative features of local area networks (LANs) and network operating systems will be explored. Topics will include networking hardware, NOS security, NOS client support and typical network administration functions. *Offered every year.*

COSC 2707E Training Techniques

Prerequisite: COSC 1366E

This course is intended primarily for students in the Business Information Systems program and all students are required to have an appropriately configured notebook computer.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

The Information Systems professional is frequently called upon to provide training to users of various hardware and software. This may involve identification of training needs and resources, telephone support, individual tutoring, and the development and delivery of training seminars. This course will examine a variety of training techniques topics such as: adult learning theory; needs analysis; program development; preparation of lesson plans and student guides; and measures of training effectiveness. As part of the course, the student will prepare and implement a training plan for a member of the business community. *Offered periodically. Offered in 2002-2003.*

COSC 3006E Numerical Methods I

Prerequisite: COSC 1557E and MATH 2036E

Hours: Three hours of lecture and one hour of lab/tutorial per week for one term.

Credits: 3.0

This course provides the mathematical background for numerical methods as well as a variety of computer applications in the solution of practical problems. Topics covered include Taylor polynomials, computer representation of numbers, error computation, root-finding, interpolation and approximation methods, numerical differentiation and integration; the solution of systems of linear equations, and the numerical solution of differential equations. This course may be credited towards Mathematics. *Offered in 2002-2003.*

COSC 3007E Artificial Intelligence and Robotics

Prerequisite: COSC 1567E, MATH 1035E and MATH 1056E

This course is intended primarily for students in a Computer Science major and all students are required to have an appropriately configured notebook computer.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course introduces the history and applications of artificial intelligence. Topics include: state spaces and search strategies; machine learning; genetic algorithms; artificial neural networks; capabilities and limitations of artificial intelligence; applications in expert systems, natural languages, robotics, speech, and vision; interaction with an existing expert system; construction of a small expert system; using artificial neural networks to perform image recognition and system control.

COSC 3016E Technical Writing for Programmers

Prerequisite: ADMN 1157E and COSC 2526E

This course is intended primarily for students in the Business Information Systems program and all students are required to have an appropriately configured notebook computer.

Hours: One hour of lecture and two hours of laboratory work per week for one term.

Credits: 3.0

In this course students will research and prepare problem-solving reports for the technical field. Students will be required to read a variety of vocationally oriented journals and textbooks, design and code on-line help, and study the design of user manuals.

COSC 3076E Practical SQL

Prerequisite: COSC 2477E

This course is intended primarily for students in the Business Information Systems program and all students are required to have an appropriately configured notebook computer.

Hours: Two hours of lecture and two hours of laboratory work per week for one term.

Credits: 3.0

Standard Query Language (SQL) is a powerful, yet easy to use, querying language implemented by every leading Database Management System. This worldwide standard tool enables the business computing professional to manipulate raw data into meaningful ad hoc reports used in everyday business decisions. In this course, the student will design, create, and execute queries involving single and multiple tables, simple and compound conditions, computed columns, built-in functions, sorting, nested queries, aliases and grouping. *Offered every year.*

COSC 3077E Visual Basic III

Prerequisite: COSC 1577E and COSC 2477E

This course is intended primarily for students in the Business Information Systems program and all students are required to have an appropriately configured notebook computer.

Hours: Two hours of lecture and two hours of laboratory work per week for one term.

Credits: 3.0

This course focuses on the use of Visual Basic to create "front-end" applications to access databases stored in a variety of formats. Visual Basic uses two object models (Data Access Objects and the newer ActiveX Data Objects) to implement data connectivity. Advanced techniques using these objects and other advanced programming techniques will be applied in order to implement robust, easy-to-use and easy-to-maintain interfaces to data stores. *Offered in 2002-2003.*

COSC 3206E Theory of Computation

Prerequisite: COSC 2006E

This course is intended primarily for students in a Computer Science major and all students are required to have an appropriately configured notebook computer.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

The course introduces the theory of computability, automata theory and formal languages. The topics include automata and regular, context-free and context-sensitive languages, general theory of computability including Turing machines, recursive functions, decidability and undecidability. Approaches to formal program semantics are presented and analyzed, leading to an introduction to formal program verification. *Offered in 2002-2003.*

COSC 3207E Computer Graphics

Prerequisite: COSC 1577E, MATH 1035E and MATH 1056E

This course is intended primarily for students in a Computer Science major and all students are required to have an appropriately configured notebook computer.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course introduces the principles and methods of computer graphics and their applications. Topics include: PC video cards and storage; display devices; representing objects; raster algorithms for lines, circles and region filling; 2-D and 3-D graphics software; object transformations, fractal construction and animation software.

COSC 3306 Programming Paradigms

Prerequisite: COSC 2006E and COSC 2106E

This course is intended primarily for students in a Computer Science major and all students are required to have an appropriately configured notebook computer.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course introduces the alternative programming paradigms and languages. Lecture topics include: overview of functional, logic, and object-oriented paradigms and languages, designing programs with these paradigms, advantages and disadvantages of alternative programming paradigms vs. procedural programming. Applications in AI, database and software design are introduced. *Offered in 2002-2003.*

COSC 3307E 3D Computer Graphics

Prerequisite: COSC 3207E

This course is intended primarily for students in a Computer Science major and all students are required to have an appropriately configured notebook computer.

Hours: Three hours of lecture and one hour of laboratory work per week for one term.

Credits: 3.0

This course introduces the fundamentals of computer graphics in three dimensions, including 3D curves and surfaces, viewing in three dimensions, three dimensional transforms, and elements of 3D vision and animation. *Offered in 2002-2003.*

COSC 3317E Java Programming I

Prerequisite: COSC 2357E

This course is intended primarily for students in the Business Information Systems program and all students are required to have an appropriately configured notebook computer.

Hours: Two hours of lecture and two hours of laboratory work per week for one term.

Credits: 3.0

Java is a standard programming language for applications written for the Internet and Intranets, as well as other client/server environments. It provides many of the features of other high level languages, with tools for manipulating graphics, animation, and sound. Java is used in a cross-platform environment

but this course will concentrate on its use in the Windows environment. Although this is an introduction to Java, it is an advanced programming course and assumes the student knows at least one other programming language. Objects and their properties, methods and events will be used throughout the course in increasingly sophisticated projects. Programming fundamentals will be introduced, as needed, including variables, operators, control structures, loops, objects and classes, arrays and files. An applied project will be used to place these concepts in a real-world context. *Offered in 2002-2003.*

COSC 3497E E-Commerce

Prerequisite: COSC 1707E and COSC 2477E

This course is intended primarily for students in the Business Information Systems program and all students are required to have an appropriately configured notebook computer.

Hours: Two hours of lecture and three hours of laboratory work per week for one term.

Credits: 3.0

Industry and the general public are embracing a new communications paradigm, called the Internet. It allows widespread access to information using diverse equipment. It is relatively inexpensive and easy to use. Commercial use of the Internet has flourished at an unprecedented rate, creating a parallel need for knowledgeable graduates in the areas of Web Development, Server and Network Administration, Security, and Remote Database Access. Intranets and Extranets are corporate flavours of the Internet which allow corporations to transact business in a secure, efficient, reliable, and relatively inexpensive way, with their suppliers and consumers, as well as staff, both within their own branch and between disparate locations. This course will cover the different topics associated with E-Commerce on the Web. *Offered in 2002-2003.*

COSC 3557E Object-Oriented Programming

Prerequisite: COSC 1567E

This course is intended primarily for students in a Computer Science major and all students are required to have an appropriately configured notebook computer.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course presents an introduction to programming in languages such as Java, Eiffel and Smalltalk, with emphasis on algorithm design. Topics include: object-oriented Java application programs, Java applets; graphical user interfaces; network communications; special applications of classes. *Offered in 2002-2003.*

COSC 3606E Database Maintenance

Prerequisite: COSC 1567E and COSC 1606E

This course is intended primarily for students in a Computer Science major and all students are required to have an appropriately configured notebook computer.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course introduces practical issues in the maintenance of databases. Database maintenance requires a significant effort from both the designer and the user. Topics include: troubleshooting, updating, modification and testing of existing and modified databases; cooperation with a producer on modifications and improvements of existing DBMs; designing new DBMs. *Offered in 2002-2003.*

COSC 3607E Operating Systems II

Prerequisite: COSC 1656E

This course is intended primarily for students in the Business Information Systems program and all students are required to have an appropriately configured notebook computer.

Hours: Two hours of lecture and two hours of laboratory work per week for one term.

Credits: 3.0

Versatile programmers work with more than one operating system. UNIX is a robust, universal operating system. The version of UNIX used in this course is called Linux; a POSIX-compliant, multi-tasking, multi-user operating system, similar to what would be found in larger computer installations. This operating system will allow the student to become familiar with virtually every facet of today's modern operating systems. Its universality will facilitate the student's understanding of other operating systems that might well be encountered in the workplace. *Offered in 2002-2003.*

COSC 3656E Networking II

Prerequisite: COSC 2657E

This course is intended primarily for students in the Business Information Systems and Computer Science programs and all students are required to have an appropriately configured notebook computer.

Hours: One hour of lecture and two hours of laboratory work per week for one term.

Credits: 3.0

New applications and services functioning exclusively in the Microsoft NT environment have increased its share of the networking market. A working knowledge of both Netware and NT has become increasingly important, since NT and Netware often coexist on the same network. This course will examine the fundamentals of the NT operation system (both Workstation and Server versions), including system architecture, the "domain model", security provisions, major utilities and bundled services. As well, the student will have the opportunity to install and configure the operating system. *Offered in 2002-2003.*

COSC 3706E The Computing Profession

Prerequisite: No prerequisite.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course will introduce students to the social and legal issues of the computing profession. Topics include: licensing and copyrights; computer crimes and ethical issues; professional conduct.

COSC 3807E Project Management

Prerequisite: Completion of the second year core courses in a Computer Science major.

This course is intended primarily for students in a Computer Science major and all students are required to have an appropriately configured notebook computer.

Credits: 3.0

This course introduces several aspects of project management in a variety of environments. Topics include: team project organization and accounting; resources and cost management; human factors; analysis, tools and document preparation; technological and safety standards; product testing, verification and validation; reducing PC/LAN costs in the enterprise; capital and administrative costs; technical support.

COSC 3997E Computer Science Placement

Prerequisite: Restricted to students in the third year of a Computer Science major.

This course is intended primarily for students in a Computer Science major and all students are required to have an appropriately configured notebook computer.

Credits: 3.0

In this course, the student will work in a business enterprise/organization/institution under the supervision of an employer. Approved computer-oriented tasks and/or projects will be undertaken, and the student will be expected to successfully incorporate many of the skills learned in the program. Evaluation will be on a pass/fail basis. *Offered every year.*

COSC 4107E Interfacing and Communication

Prerequisite: COSC 3656E

This course is intended primarily for students in a Computer Science major and all students are required to have an appropriately configured notebook computer.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course introduces the fundamentals of input/output control. Techniques for interrupt handling are discussed. Course topics include input/output control methods, interrupts; interrupt acknowledgement; synchronization, Open loop, handshaking; communication protocols; external storage, physical organization and drives; user interfaces. *Offered in 2002-2003.*

COSC 4127E Real-time Programming

Prerequisite: COSC 2106E

This course is intended primarily for students in a Computer Science program and all students are required to have an appropriately configured notebook computer.

Hours: Three hours of lecture and one hour of laboratory per week for one term.

Credits: 3.0

This course introduces the fundamentals of tools and techniques of real-time programming and computer system control. The course topics include microcomputer architecture, real-time programming language and operating system, data acquisition and communication, microprocessor and microcontroller applications, interfacing techniques.

COSC 4206E Topics in Computing Science

Prerequisite: Restricted to students in the fourth year of the Honours Computer Science program.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course provides advanced coverage of particular topics in Computer Science. The content varies according to the specialization of the faculty teaching the course. *Offered in 2002-2003.*

COSC 4207E Seminars in Computer Science

Prerequisite: Restricted to students in the fourth year of the Honours Computer Science program and approval of the discipline is required prior to registration.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This seminar course provides coverage of particular topics of current importance. Reading and research will be conducted in the areas of interest of students and faculty teaching the course.

Students will present seminars and prepare essays. *Offered in 2002-2003.*

COSC 4306E Database and Information Retrieval

Prerequisite: COSC 3656E

This course is intended primarily for students in a Computer Science major and all students are required to have an appropriately configured notebook computer.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course introduces a variety of data models, including relational, hierarchical, and network models. The course topics include: components of database systems, conceptual modeling, access methods, fourth generation environment, representing relationship, concepts of data mining and knowledge retrieval.

COSC 4406E Software Engineering

Prerequisite: COSC 1567E and COSC 3557E

This course is intended primarily for students in a Computer Science major and all students are required to have an appropriately configured notebook computer.

Hours: Three hours of lecture and one hour of laboratory per week for one term.

Credits: 3.0

This course introduces the principal paradigms that govern the design and implementation of large software systems. The course topics include: requirement analysis, functional/process oriented design, bottom-up design, support for reuse, implementation strategies, performance improvement, debugging, antibugging. *Offered in 2002-2003.*

COSC 4607E Security and Protection

Prerequisite: COSC 1656E and COSC 2106E

This course is intended primarily for students in a Computer Science major and all students are required to have an appropriately configured notebook computer.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course introduces physical security, privacy, capabilities and access lists, authentication mechanisms and formalisms. The course topics include: overview of system security, security methods and devices, memory protection, recovery management, secure operating systems, hardware/software redundancy.

COSC 4907E Current Trends in Information Technology

Prerequisite: Restricted to students in the fourth year of the Business Information Systems program.

Hours: Six hours per week for six weeks.

Credits: 3.0

The Information Technology specialist needs to be aware of industry trends and current issues in computing--to know "what's new" and "what's important". This course will provide the student with an opportunity to develop specialized knowledge in areas of current "cutting edge" computing issues through a major research project. Project topics could include new hardware and software products, communication trends, artificial intelligence, language and productivity tools, computer security issues, operating system developments, and new development methodologies. *Offered every year.*

COSC 4996E Computer Science Placement I

Prerequisite: Completion of the third year of the Honours Computer Science program.

Credits: 3.0

This is a computer oriented practicum in which students use the theoretical and practical skills they have learned, and further specialize in the field of their choice in close cooperation with an enterprise/institution, performing a computer oriented task of a practical or theoretical importance. Students will be evaluated on a pass/fail basis. *Offered every year.*

COSC 4997E Computer Science Placement II

Prerequisite: COSC 4996E

Credits: 3.0

This course is a natural continuation of COSC 4996E. It is a computer oriented practicum in which students use the theoretical and practical skills they have learned, and further specialize in the field of their choice in close cooperation with an enterprise/institution, performing a computer oriented task of a practical or theoretical importance. Students will be evaluated on a pass/fail basis. *Offered every year.*

Economics

ECON 1006E Introduction to Economics I

Prerequisite: No prerequisite.

Students may not retain credit for both ECON 1006E and ECON 1005E.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course examines the principles of modern microeconomics. Elementary microeconomics including methodology, demand, supply, elasticity, consumer theory (including indifference analysis), theory of the firm and market structures, distributions theory, gains from trade, government, taxation and social policy are covered in this introductory course. *Offered every year.*

ECON 1007E Introduction to Economics II

Prerequisite: No prerequisite.

Students may not retain credit for both ECON 1007E and ECON 1005E.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course examines the principles of modern macroeconomics: Elementary macroeconomics including methodology, economic aggregates, simple macroeconomic models and equilibrium, business cycles, deficits, economic growth, exchange rates and the balance of payments are covered in this course. *Offered every year.*

ECON 2006E Intermediate Microeconomic Theory

Prerequisite: ECON 1006E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course examines microeconomic theory with an emphasis on its relevance to business. Such topics as consumer theory and intertemporal demand, producer theory, market structures, game theory as applied to firms, general equilibrium, welfare and public goods are included. *Offered every year.*

ECON 2007E Labour Economics

Prerequisite: ECON 1006E and ECON 1007E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course examines labour market theories, trends, policies and analysis from a Canadian perspective. Such topics as historical background and trends, labour demand, labour supply, wage differentials, investment in human capital, age and gender discrimination, comparable worth and employment equity, labour laws, unions, social insurance and other applications are included. *Offered every year.*

ECON 2016E Intermediate Macroeconomic Theory

Prerequisite: ECON 1007E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course examines macroeconomic theory and policy from a Canadian perspective. Topics include basic models of income determination, application to policy problems such as unemployment, inflation, government budget deficits, and balance of payments disequilibria. *Offered every year.*

ECON 2017E Money, Banking and the Canadian Financial System

Prerequisite: ECON 1006E and ECON 1007E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course examines the history of money, money demand, money supply, monetary policy, financial intermediation, financial markets in the Canadian economy, monetary aspects of the balance of payments as well as international monetary issues.

*Offered every year.***ECON 2126E Elementary Statistical Methods for Economists**

Prerequisite: No prerequisite.

Students may not retain credit for both ECON 2126E and ADMN 2606E, or another introductory statistics course.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course examines the probability theory, sampling, hypothesis testing, correlation, regression and forecasting with a strong emphasis on business and economic applications. *Offered every year.*

ECON 2127E Introduction to Mathematics for Economists

Prerequisite: No prerequisite.

Students may not retain credit for both ECON 2127E and ADMN 2607E.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course examines functions and their graphical representation, analytical geometry, multivariate analysis, calculus, optimization, integration, matrices, determinants, linear programming (graphical and simplex solutions), and financial mathematics all with a strong emphasis on business and economic applications. *Offered every year.*

ECON 3065E Introduction to Economic Development

Prerequisite: ECON 1006E and ECON 1007E

Hours: Three hours of lecture per week.

Credits: 6.0

This course examines perspectives on economic growth and development, barriers to development, population and living standards, the issue of sustainable development, internal and external factors in the development process.

ECON 3085E Canadian Economic Problems and Policy

Prerequisite: ECON 1006E and ECON 1007E

Hours: Three hours of lecture per week.

Credits: 6.0

This course applies basic economic theory to current problems in the Canadian economy. Historical background, the Canadian Constitution, the structure of government and policy making, poverty, inequality, as well as problems in health care, education, pensions, regional development, and agriculture are examined. Such issues as deregulation, privatization, free trade, government deficits, and the environment are also discussed. *Offered every year.*

Education

EDUC 0106E Introduction to Teaching

Prerequisite: No prerequisite.

Restricted to students admitted to Orientation to Teaching.

Hours: Students must participate in six hours of workshops on subjects related to the field of education and must spend thirty hours in a classroom setting.

Credits: Non-Credit

This non-credit course is designed as a career exploration course. Students, in consultation with the instructor, will select a host teacher in a division and district school area of their choice. Under the direct supervision of their host(s), students may participate in a wide variety of classroom activities that relate specifically to the teaching profession. Students will be allowed to make only one attempt to successfully complete this course. *Offered every year.*

English Studies

Language Courses

Note: Students may retain credit for no more than six credits of the following: ENGL 1501E, ENGL 1502E, ENGL 1551E, ENGL 1552E, ENGL 1560E and ADMN 1157E.

ENGL 0100E Supplementary Writing Skills

Prerequisite: No prerequisite.

Hours: The number of hours per week and the total number of weeks required to achieve a satisfactory level of performance may vary significantly from student to student.

Credits: Non-Credit

This non-credit course in remedial English is designed to provide students whose first language is English with an opportunity to upgrade their writing skills to a basic university entrance level. While classes meet on a regular basis and there are class lessons, much of the class time is taken up with individualized instruction.

ENGL 1501E Language and Written Communication I

Prerequisite: No prerequisite.

This course may not be credited towards a major, a minor, or a Liberal program in English Studies.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course gives practice in written English with particular emphasis on syntactical problems and practical training in the short essay. *Offered every year and offered in Spring 2002.*

ENGL 1502E Language and Written Communication II

Prerequisite: ENGL 1501E

This course may not be credited towards a major, a minor, or a Liberal program in English Studies.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course continues the study of written English with particular emphasis on longer essays, methods of research, reports and research papers. *Offered every year.*

ENGL 1551E Language and Written Communication: English as a Second Language I

Prerequisite: No prerequisite.

This course may not be credited towards a major, a minor, or a Liberal program in English Studies.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course is designed for students whose first language is not English. Practical training is given in the writing of sentences and paragraphs. Topics covered include the proper use of a dictionary, vocabulary, and common syntactical problems involving verb tenses and the use of prepositions. *Offered every year.*

ENGL 1552E Language and Written Communication: English as a Second Language II

Prerequisite: ENGL 1551E

This course may not be credited towards a major, a minor, or a Liberal program in English Studies.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This presents a further study of written English for the student whose first language is not English. Particular emphasis is placed on practical training in the writing of longer works (essays, reports and research papers). The study of English vocabulary and sentence structure initiated in ENGL 1551E are continued and extended. *Offered every year.*

ENGL 1560E Writing Skills in Business Communication

Prerequisite: No prerequisite.

This course may not be credited towards a major, a minor, or a Liberal program in English Studies.

Students may not retain credit for both ENGL 1560E and ADMN 1157E.

Hours: Three hours of lecture per week.

Credits: 6.0

This course presents both theoretical and practical approaches toward the development of business communication skills. Emphasis is on correct grammar and appropriate business writing style. Practical applications include utilizing various letter and memo writing formats, job search strategies, primary and secondary research and oral presentation techniques.

Literature Courses

ENGL 1105E Introduction to English Studies

Prerequisite: No prerequisite.

Hours: Two hours of lecture and one seminar hour per week.

Credits: 6.0

This course examines four major literary forms - short and long narrative, poetry and drama - through a series of readings selected from various literatures written in English (Canadian, American, British and other). Students are introduced to a variety of critical approaches, and are encouraged to develop a critical vocabulary and skills of literary analysis. This introduction to English studies is normally taught by the full complement of the English discipline. *Offered every year.*

ENGL 2005E British Literature from the Medieval to the Modern Period

Prerequisite: ENGL 1105E

Students may not retain credit for both ENGL 1005E and ENGL 2005E.

Hours: Two hours of lecture and one seminar hour per week.

Credits: 6.0

The course surveys British literature from the medieval to the modern period to provide students with a foundational understanding of the development of traditions and influences within historical contexts during this broad sweep of time. The particular ways in which literary "histories" are constructed, "periods" designated, and "canons" established and modified are also investigated. A number of texts of various literary kinds are examined from differing critical perspectives. In addition, the course introduces the research and bibliographic skills necessary for further work in the discipline of English Studies. *Offered every year.*

ENGL 2015E Theatre Production: Practice and Theory

Prerequisite: ENGL 1105E

Hours: Two hours of seminars and three hours of workshops per week.

Credits: 6.0

This course takes a wholistic approach to theatre production studying various theatrical elements and examining how they relate to one another in an overall performance. Students will

not only study the theories and techniques underlying the dramatic arts but also stage a major production in which they will put into practice course knowledge. Along with seminars, weekly workshops on performance and production are a major part of this course and students are expected to participate in the class production, to attend plays in the community, and to be involved with field trips to dramatic performances. *Offered every year.*

ENGL 2115E Studies in Literature and the Bible

Prerequisite: ENGL 1105E

Hours: Three hours of lecture and discussion per week.

Credits: 6.0

This course examines the Bible from a literary-critical perspective and explores the influence of the Biblical tradition on English literature from early times to the present. Students investigate such issues as the authorship, composition, dating, redaction and canonization of the Bible and become familiar with the history of its interpretation. They also read (much of) the Bible closely, noting the many genres it employs, identifying and assessing its narrative methods and poetic features and tracing the larger structural patterns of symbolism, narrative and theme. Through the study of a number of selected literary texts of different kinds and times, the course provides a foundational understanding of the ways the "Great Code" has shaped the production and reception of texts in English. *Offered every third year. Offered in 2002-2003.*

ENGL 2255E Canadian Literature from the Colonial to the Contemporary Period

Prerequisite: ENGL 1105E

Hours: Three hours of lecture and discussion per week.

Credits: 6.0

This course is an historical survey of Canadian literature from the Colonial to the Contemporary Period. Course readings may include fiction, poetry, drama, criticism and nonfiction as well as other forms. Students will be encouraged to develop an understanding of Canadian "literary tradition," while critiquing the critical processes by which the Canadian "literary tradition" is constructed. A variety of perspectives on the literature will be offered and encouraged. *Offered every year.*

ENGL 2265E American Literature from the Colonial to the Contemporary Period

Prerequisite: ENGL 1105E

Students may not retain credit for ENGL 2265E and either ENGL 3365E or ENGL 3375E.

Hours: Three hours of lecture and discussion per week.

Credits: 6.0

This course surveys American Literature from the colonial New England Puritan period to the contemporary period to provide students with a foundational understanding of the development of traditions and influences within historical contexts during this broad sweep of time. The particular ways in which literary "histories" are constructed, "periods" designated and "canons" established and modified are also investigated. Poetry, essays, novels, short stories and dramas are all studied. *Offered every second year. Offered in 2002-2003.*

ENGL 2275E Studies in the Native Literatures of North America

Prerequisite: ENGL 1105E

Hours: Three hours of lecture and discussion per week.

Credits: 6.0

This course offers an historical and self-reflexive exploration of Native North American Literature in English (with some work in translation) and its meaning for us as Canadians, both Native and non-Native. After some grounding readings and presentations from the oral tradition of Native "mythology," the class will focus on works written in the last two centuries, with an emphasis on the Modern and Contemporary periods. Though selections may vary from year to year, the course texts will be drawn from the work of such authors as Pauline Johnson, Thomas King, Maria Campbell, Tomson Highway, and Joy Harjo. As the class engages with an important emerging literature which addresses colonialism, racism, sexism in ways political and poetic, students will be challenged to examine their familiar beliefs and to reflect on the meaning of "identity" for Natives and non-Natives alike. This course may be credited towards Native Studies. *Offered every second year. Offered in 2002-2003.*

ENGL 2445E Children's Literature

Prerequisite: ENGL 1105E

Hours: Three hours of lecture per week.

Credits: 6.0

This course conducts a critical/historical survey of works in English composed for, or appropriated by, children. Selections may vary annually but each year will include both classic and less familiar texts, and examples of dominant and suppressed or subversive works. Through the study of the course texts the major genres, from the street song to the illustrated book, will be illuminated. The chronological organization will permit the treating of texts in their contexts, and facilitate the tracing of the influence of shifting ideas about childhood and other aspects of ideology on the works reflecting and constructing them. Formal literary analysis will be complemented by a variety of critical approaches that will enable the class to explore relevant theoretical issues and to comprehend the cultural and psychological work being done by specific texts. This is not a teaching methods course, but will provide an excellent foundation for such a study. *Offered every year.*

ENGL 2535E Studies in Shakespeare

Prerequisite: ENGL 1105E

Hours: Three hours of lecture and discussion per week.

Credits: 6.0

This course introduces students to the field of Shakespeare studies, which includes the plays, their culture, and contemporary research resources. Close formal analysis is supplemented by a treatment of the theatrical aspects of the plays and by the application of current theoretical approaches. This course will also implement performance and play into the class's dialogue with the dramatic texts. "Play" not only as text but also as reading strategy will enrich the pedagogical scene for both teacher and student. Students should expect to read at least ten plays, as well as supplementary historical and scholarly material. *Offered every year.*

ENGL 3045E Studies in Early Modern Literature

Prerequisite: ENGL 1105E and ENGL 2005E

Students may not retain credit for both ENGL 3045E and ENGL 2045E.

Hours: Three hours of lecture and discussion per week.

Credits: 6.0

This course surveys a wide selection of genres taken from the sixteenth and seventeenth centuries and may give additional emphasis to either Spenser or Milton, the two main canonical figures of this period. The purpose is to give the student a grasp

of not only the formal demands but also the historical richness of this period's literature. To that end, classes not only consider the profoundly rhetorical orientation of this literature, but also demonstrate how this literature actively participates in and is shaped by early modern culture. *Offered every second year. Next offered in 2003-2004.*

ENGL 3095E Studies in Eighteenth-Century Literature

Prerequisite: ENGL 1105E and ENGL 2005E

Students may not retain credit for both ENGL 3095E and ENGL 2095E.

Hours: Three hours of lecture and discussion per week.

Credits: 6.0

This course examines literary trends and representative works of major authors from Dryden to Johnson. *Offered every second year. Offered in 2002-2003.*

ENGL 3136E Studies in Nineteenth-Century Literature I

Prerequisite: ENGL 1105E and ENGL 2005E

Students may not retain credit for both ENGL 3136E and ENGL 3115E.

Hours: Three hours of lecture and discussion per week for one term.

Credits: 3.0

This course examines a selection of British literature from the late eighteenth-century to the mid-nineteenth-century, with a particular emphasis on poetry. Generic modes and stylistic developments are studied in the context of relevant social, political, and philosophical forces. Course selections and topics may vary from year to year.

ENGL 3137E Studies in Nineteenth-Century Literature II

Prerequisite: ENGL 1105E and ENGL 2005E

Students may not retain credit for both ENGL 3137E and ENGL 3135E.

Hours: three hours of lecture and discussion per week for one term.

Credits: 3.0

This course examines a selection of British literature from the mid-nineteenth-century to the turn of the twentieth, with an emphasis on poetry. Generic modes and stylistic developments are studied in the context of relevant social, political, and philosophical forces. Course selections and topics may vary from year to year.

ENGL 3146E Studies in Postcolonial Literature I

Prerequisite: ENGL 2005E

Hours: Three hours of lecture and discussion per week for one term.

Credits: 3.0

This course focuses on literature coming from countries which are former British colonies, excluding Canada and the United States. The emphasis in the selection of texts and approaches is on tracing the effects of (de-)colonization on emerging literatures in English. The collision and collusion of cultures brought together by imperial domination have produced theatre, fiction and poetry rich in controversy and imagination. As well, the process of British colonization has helped to rewrite the texts and traditions of British literary history, and the English language itself. The course is divided and defined regionally rather than historically, and while they should include a short history of colonization, the readings are drawn largely from the twentieth-century. Some of the regions covered may include the

Caribbean, Africa, India, Australia, New Zealand, and Ireland. Recent developments in literary theory and critical approaches to postcolonial literature are also considered. *Offered periodically.*

ENGL 3147E Studies in Postcolonial Literature II

Prerequisite: ENGL 2005E

Hours: Three hours of lecture and discussion per week for one term.

Credits: 3.0

As in ENGL 3146E, this course focuses on literature coming from countries which are former British colonies, excluding Canada and the United States. However, ENGL 3147E has completely different course content from ENGL 3146E, so ENGL 3146E does not function as a prerequisite for ENGL 3147E. The emphasis in the selection of texts and approaches is on tracing the effects of (de-)colonization on emerging literatures in English. The collision and collusion of cultures brought together by imperial domination have produced theatre, fiction and poetry rich in controversy and imagination. As well, the process of British colonization has helped to rewrite the texts and traditions of British literary history, and the English language itself. The course is divided and defined regionally rather than historically, and while they should include a short history of colonization, the readings are drawn largely from the twentieth-century. Some of the regions covered may include the Caribbean, Africa, India, Australia, New Zealand, and Ireland. Recent developments in literary theory and critical approaches to postcolonial literature are also considered. *Offered periodically.*

ENGL 3175E Studies in Twentieth-Century Literature

Prerequisite: ENGL 1105E and ENGL 2005E

Students may not retain credit for ENGL 3175E and either ENGL 3165E or ENGL 3185E.

Hours: Three hours of lecture and discussion per week.

Credits: 6.0

This course surveys a selection of writings drawn from the twentieth century, paying particular attention to British writers. Classes concentrate on this century's two primary literary periods, namely modernism and postmodernism, examining the ideological similarities and differences between them. In order to overcome the interpretive difficulties built into the twentieth-century text, classes will generate close readings but will also consider the social, political and philosophical forces that have in general formed and deformed this period's literature. *Offered every second year. Offered in 2002-2003.*

ENGL 3206E Special Topics in Women's Literature I

Prerequisite: ENGL 1105E and ENGL 2005E

Hours: Three lecture/seminar hours per week for one term.

Credits: 3.0

This course explores special topics in women's writing in English (Canadian, American, British and other literatures). Specific content varies from year to year. Students in a Gender Equality and Social Justice major who have not completed ENGL 2005E may request permission from the Program Coordinator to take ENGL 3206E. This course may be credited towards Gender Equality and Social Justice. *Offered every year.*

ENGL 3207E Special Topics in Women's Literature II

Prerequisite: ENGL 1105E and ENGL 2005E

Hours: Three lecture/seminar hours per week for one term.

Credits: 3.0

This course explores special topics in women's writing in English (Canadian, American, British or other literatures). Specific content varies from year to year. Students in a Gender Equality and Social Justice major who have not completed ENGL 2005E may request permission from the Program Co-ordinator to take ENGL 3207E. This course may be credited towards Gender Equality and Social Justice. *Offered every year.*

ENGL 3255E Themes in Canadian Literature

Prerequisite: ENGL 1105E and ENGL 2005E

Students may not retain credit for both ENGL 3255E and ENGL 3256E/ENGL3257E.

Hours: Three hours of lecture and discussion per week.

Credits: 6.0

This course allows students interested in Canadian literature to develop their interests beyond the historical survey approach by focusing on several major themes within Canadian writing in English and English translation. These themes include regionalism, and nationalism, and also hyphenated Canadian and "other" voices (immigrants, women, French Canadians, Native Canadians). Texts may include fiction, nonfiction, short stories, poetry, drama and criticism. Students who have not completed ENGL 2005E may request permission from the Program Co-ordinator to take ENGL 3255E.

ENGL 3256E Themes in Canadian Literature I

Prerequisite: ENGL 1105E and ENGL 2005E

Students may not retain credit for both ENGL 3256E and ENGL 3255E.

Hours: Three hours of lecture and discussion per week for one term.

Credits: 3.0

This course allows students interested in Canadian literature to develop their interests beyond the historical survey approach by focusing on several major themes within Canadian writing in English and English translation. These themes vary from year to year but have included regionalism and nationalism, and also hyphenated-Canadian and "other" voices (immigrants, women, French Canadians, native Canadians). Texts may include fiction, nonfiction, poetry, drama and criticism.

ENGL 3257E Themes in Canadian Literature II

Prerequisite: ENGL 1105E and ENGL 2005E

Students may not retain credit for both ENGL 3257E and ENGL 3255E.

Hours: Three hours of lecture and discussion per week for one term.

Credits: 3.0

This course allows students interested in Canadian literature to develop their interests beyond the historical survey approach by focusing on several major themes within Canadian writing in English and English translation. These themes vary from year to year but have included regionalism and nationalism, and also hyphenated-Canadian and "other" voices (immigrants, women, French Canadians, native Canadians). Texts may include fiction, nonfiction, poetry, drama and criticism.

ENGL 3265E Themes in American Literature

Prerequisite: ENGL 1105E and ENGL 2005E

Hours: Three hours of lecture per week.

Credits: 6.0

This course allows students interested in American literature (and in American history and philosophy) to develop their inter-

ests beyond the historical survey approach, by focusing on several major themes or topics as chosen by the instructor. Students who have not completed ENGL 2005E may request permission from the Program Co-ordinator to take ENGL 3265E. *Offered every second year. Next offered in 2003-2004.*

ENGL 3406E Studies in the Eighteenth-Century Novel

Prerequisite: ENGL 1105E and ENGL 2005E

Students may not retain credit for ENGL 3406E and either ENGL 2406E or ENGL 2405E.

Hours: Three hours of lecture and discussion per week for one term.

Credits: 3.0

This course examines a selection of eighteenth-century novels by women writers such as Behn and Burney, as well as by canonical male figures like Defoe, Fielding and Richardson. One aim is to demonstrate the variety and richness of writing in this form in the period. This course also relates generic developments to the historical conditions of the production and reception of specific texts. Modern explanatory accounts of the "rise of the novel" will be clarified and qualified by being placed in "dialogue" with each other and with the novels themselves. *Offered every second year. Next offered in 2003-2004.*

ENGL 3407E Studies in the Nineteenth-Century Novel

Prerequisite: ENGL 1105E and ENGL 2005E

Students may not retain credit for ENGL 3407E and either ENGL 2407E or ENGL 2405E.

Hours: Three hours of lecture and discussion per week for one term.

Credits: 3.0

This course examines a selection of nineteenth-century novels with a view to connecting generic developments to the historical conditions in which they were produced and received. Generic emphases and thematic studies may vary from year to year, but the selection of authors will typically be taken from such writers as Jane Austen, Mary Shelley, the Bronte sisters, Charles Dickens, William Makepeace Thackeray, George Eliot, George Gissing, Thomas Hardy and Olive Schreiner. *Offered every second year. Offered in 2002-2003.*

ENGL 3426E Studies in the Twentieth-Century Novel I

Prerequisite: ENGL 1105E and ENGL 2005E

Hours: Three hours of lecture and discussion per week for one term.

Credits: 3.0

At the discretion of the instructor, the syllabus of this course may be structured in a number of ways: a novelist's corpus (such as Virginia Woolf's) may dictate the parameters of the reading; or a group of closely associate writers (such as postcolonial novelists of Africa) may dictate these parameters; or an important topic in the study of the twentieth-century novel (such as intellectuality or temporality) may dictate. Whatever the specific syllabus, this course will raise and develop critical and intellectual issues confronting the twentieth-century novel. *Offered every second year.*

ENGL 3427E Studies in the Twentieth-Century Novel II

Prerequisite: ENGL 1105E and ENGL 2005E

Hours: Three hours of lecture and discussion per week for one term.

Credits: 3.0

At the discretion of the instructor, the syllabus of this course may be structured in a number of ways: a novelist's corpus (such

as Virginia Woolf's) may dictate the parameters of the reading; or a group of closely associated writers (such as postcolonial novelists of Africa) may dictate these parameters; or an important topic in the study of the twentieth-century novel (such as intellectuality or temporality) may dictate. Whatever the specific syllabus, this course will raise and develop critical and intellectual issues confronting the twentieth-century novel. *Offered every second year. Offered in 2002-2003.*

ENGL 3465E Studies in Drama to 1642

Prerequisite: ENGL 1105E and ENGL 2005E

Students may not retain credit for both ENGL 3465E and ENGL 2465E.

Hours: Three hours of lecture and discussion per week.

Credits: 6.0

This course surveys drama from the medieval to the early modern period. Beginning with medieval mystery and morality plays, the course moves toward Tudor and Stuart theatre. Readings may be drawn from the city comedy of Ben Jonson and Thomas Dekker and the revenge tragedy of Cyril Tourneur and John Webster. Along with the critical questions raised by close readings, the role that performance and theatre played in early modern culture will be investigated. *Offered periodically. Offered in Spring 2002.*

ENGL 3475E Studies in Modern Drama

Prerequisite: ENGL 1105E and ENGL 2005E

Hours: Three hours of lecture and discussion per week.

Credits: 6.0

This course will examine plays by Ibsen, Chekhov, Shaw, Synge, Yeats, O'Casey, O'Neill, Eliot, Beckett, Sartre, Ionesco, Pinter, Albee and others. *Offered periodically.*

ENGL 3505E Studies in Chaucer

Prerequisite: ENGL 1105E and ENGL 2005E

Students may not retain credit for both ENGL 3505E and ENGL 2505E.

Hours: Three hours of lecture and discussion per week.

Credits: 6.0

This course examines the language and works of Chaucer together with non-Chaucerian works of the period. *Offered periodically.*

ENGL 3515E Creative Writing

Prerequisite: ENGL 1105E

Students may not retain credit for both ENGL 3515E and ENGL 3516E or ENGL 3517E.

Students who register in this course are also required to submit for assessment to the Program Co-ordinator, a selective portfolio of their creative work or an essay demonstrating creative reasons for wishing to take the course. The portfolio or essay is due by May 5 and final approval will be granted by mid-June.

Hours: Three hours of lecture and discussion per week.

Credits: 6.0

This course explores imaginative literary expression. Although it involves examining the works of others, the course focuses on the work of class members. Specific attention is given to editorial procedure, form, techniques and literary devices in genres such as poetry, prose fiction and drama.

ENGL 3516E Creative Writing: Poetry

Prerequisite: ENGL 1105E

Students may not retain credit for both ENGL 3516E and ENGL 3515E.

Hours: Three hours of lecture and discussion per week for one term.

Credits: 3.0

This course explores imaginative literary expression. Although it involves examining the works of others, the course focuses on the work of class members. Specific attention is given to editorial procedures, forms, techniques and literary devices in the genre of poetry. *Offered in 2002-2003.*

ENGL 3517E Creative Writing: Prose Fiction

Prerequisite: ENGL 1105E

Students may not retain credit for both ENGL 3517E and ENGL 3515E.

Hours: Three hours of lecture and discussion per week for one term.

Credits: 3.0

This course explores imaginative literary expression. Although it involves examining the works of others, the course focuses on the work of class members. Specific attention is given to editorial procedures, forms, techniques and literary devices in the genre of prose fiction. *Offered in 2002-2003.*

ENGL 4605E History and Theory of Literary Criticism

Prerequisite: ENGL 1105E and ENGL 2005E and at least 12 additional upper level credits in English literature

Hours: Three hours of lecture/seminar per week.

Credits: 6.0

This course introduces students to the seminal issues in both traditional and contemporary literary theory and criticism. Representative selections from a variety of dominant schools--such as classical poetics, semiotics, deconstruction, psychoanalysis, poststructural Marxism and feminism--will be read in order to familiarize the student with theories and concepts relevant to contemporary English criticism. For the most part, the course is organized around key topics in literary theory: topics might include the author, interpretation, gender, subjectivity, textuality and history. The seminar environment will enable students to participate actively in an ongoing dialogue on these key topics. Such a dialogue ultimately provides the student with an opportunity to fashion his or her own theoretical positions.

ENGL 4606E Studies in Literary Theory and Criticism I

Prerequisite: ENGL 2005E and at least 12 additional upper level credits in English literature

Hours: Three hours of lecture/seminar per week for one term.

Credits: 3.0

This course explores topics, concepts, and approaches in both literary criticism and literary theory. Texts on the syllabus may be drawn from any historical period, extending as far back as classical times. From year to year, specific content will vary according to the instructor's expertise and developments in the field. *Offered in 2002-2003.*

ENGL 4607E Studies in Literary Theory and Criticism II

Prerequisite: ENGL 2005E and at least 12 additional upper level credits in English literature

Hours: Three hours of lecture/seminar per week for one term.

Credits: 3.0

This course explores topics, concepts, and approaches in both literary criticism and literary theory. Texts on the syllabus may be drawn from any historical period, extending as far back as classical times. From year to year, specific content will vary according to the instructor's expertise and developments in the field. *Offered in 2002-2003.*

ENGL 4616E Studies in Literary Theory and Criticism III

Prerequisite: ENGL 2005E and at least 12 additional upper level credits in English literature

Hours: Three hours of lecture/seminar per week for one term.
Credits: 3.0

This course explores topics, concepts, and approaches in both literary criticism and literary theory. Texts on the syllabus may be drawn from any historical period, extending as far back as classical times. From year to year, specific content will vary according to the instructor's expertise and developments in the field.

ENGL 4617E Studies in Literary Theory and Criticism IV

Prerequisite: ENGL 2005E and at least 12 additional upper level credits in English literature

Hours: Three hours of lecture/seminar per week for one term.
Credits: 3.0

This course explores topics, concepts, and approaches in both literary criticism and literary theory. Texts on the syllabus may be drawn from any historical period, extending as far back as classical times. From year to year, specific content will vary according to the instructor's expertise and developments in the field.

ENGL 4686E Honours Seminar I

Prerequisite: Completion of the second year of the Honours English program.

Hours: Three hours of lecture/seminar per week for one term.
Credits: 3.0

The seminar topics lie in the professor's field of specialization and involve study of a major figure or figures in English, American, or Canadian literature. *Offered every second year. Offered in 2002-2003.*

ENGL 4687E Honours Seminar II

Prerequisite: Completion of the second year of the Honours English program.

Hours: Three hours of lecture/seminar per week for one term.
Credits: 3.0

The seminar topics lie in the professor's field of specialization and involve study of a major figure or figures in English, American, or Canadian literature. *Offered every second year. Offered in 2002-2003.*

ENGL 4695E Honours Essay

Prerequisite: Restricted to students in the fourth year of the Honours English program and approval of the discipline is required prior to registration.

Students wishing to take this course during the following Spring/Summer or Fall/Winter Session must apply in writing to the discipline no later than February 15.

Credits: 6.0

This course is a literary research project, a supervised essay of some 10,000 words. This honours essay may replace one full course in the elective portion of a student's Honours English program. *Offered every year.*

ENGL 4786E Honours Seminar III

Prerequisite: Completion of the second year of the Honours English program.

Hours: Three hours of lecture/seminar per week for one term.
Credits: 3.0

The seminar topics lie in the professor's field of specialization and involve study of a major figure or figures in English, American, or Canadian literature. *Offered every second year. Next offered in 2003-2004.*

ENGL 4787E Honours Seminar IV

Prerequisite: Completion of the second year of the Honours English program.

Hours: Three hours of lecture/seminar per week for one term.
Credits: 3.0

The seminar topics lie in the professor's field of specialization and involve study of a major figure or figures in English, American, or Canadian literature. *Offered every second year. Next offered in 2003-2004.*

Environmental Science

ENSC 1005E Introduction to Environmental Science

Prerequisite: No prerequisite.

Students may not retain credit for both ENSC 1005E and ESTD1005E.

Hours: Two hours of lecture and two hours of laboratory/field work per week.

Credits: 6.0

This course will examine ecological principles underlying environmental problems, and will introduce students to the broad, fast-changing and multidisciplinary nature of environmental studies. *Offered every year.*

ENSC 2006E Topics in Environmental Science I

Prerequisite: ENSC 1005E

Students may not retain credit for both ENSC 2006E and ESTD 2005E.

Hours: Two hours of lecture and two hours of laboratory work per week for one term.

Credits: 3.0

This course will focus on selected environmental problems with global or international ramifications and will illustrate the ecological principles underlying their solutions. *Offered every year.*

ENSC 2007E Topics in Environmental Science II

Prerequisite: ENSC 1005E

Students may not retain credit for both ENSC 2007E and ESTD 2005E.

Hours: Two hours of lecture and two hours of laboratory work per week for one term.

Credits: 3.0

This course will examine case studies of Canadian environmental concerns such as: acid rain; management of specific species of wildlife; impacts of agriculture, forestry and mining; and other issues based on the practical application of environmental science. *Offered every year.*

ENSC 2036E Environmental Monitoring

Prerequisite: Restricted to students in the third or fourth year of the Environmental Biology and Technology program.

Hours: Three hours of lecture and two hours of laboratory work per week per fourteen week term.

Credits: 3.0

In this course, the student will learn to measure noise emissions, and to collect outdoor and indoor air samples and various samples of industrial water and wastewater for environmental analysis. A variety of field sampling procedures and field analytical techniques will be introduced. *Offered in 2002-2003.*

ENSC 2107E Limnology

Prerequisite: CHEM 2106E and BIOL 2446E

This course is intended primarily for students in the Environmental Biology and Technology program.

Students may retain credit for only one of: BIOL 2107E, ENSC 2107E or GEOG 4127E.

Hours: Three hours of lecture and three hours of laboratory work per week per fourteen week term.

Credits: 3.0

The student will study the chemical and physical factors affecting the aquatic environment, as well as the biological interac-

tions within the system. Previously learned concepts and techniques from general ecology, chemistry, microbiology and instrumentation will be employed in the analysis of a specific ecosystem: the lake. *Offered every year.*

ENSC 2156E Environmental Technology

Prerequisite: Restricted to students in the second year of the Environmental Biology and Technology program.

Hours: Four hours of lecture per week per fourteen week term.

Credits: 3.0

This course will investigate the processes used by the agricultural, industrial, and municipal sectors which may cause environmental problems. Topics will include: non-persistent contaminants; persistent toxic chemicals; point and non-point sources of contaminants (e.g. agriculture, petroleum refining, organic chemicals, iron and steel plants, metal mining and industrial mineral refining, pulp and paper, inorganic chemicals, metal casting, electric power and sewage treatment); end-of-pipe discharges; water, air, and land pollution; as well as various treatment techniques. Information will be discussed in terms of regional and global impacts. Field trips to local industries will be used to study the causes and treatments of environmentally significant phenomena. *Offered every year.*

ENSC 2306E Occupational Health and Safety

Prerequisite: Restricted to students in the third or fourth year of the Environmental Biology and Technology program.

Hours: Three hours of lecture per week per fourteen week term.

Credits: 3.0

This course will survey various aspects of safety in the workplace. Topics will include relevant legislation and regulation concerning occupational health and safety, personal risks in the workplace, assessment of safety systems/equipment, WHMIS, the Workplace Safety and Insurance Board, CPR, first aid, and OHS. *Offered in 2002-2003.*

ENSC 2407E Environmental Toxicology

Prerequisite: BIOL 1007E and CHEM 1005E

This course is intended primarily for students in the Environmental Biology and Technology program. Students may not retain credit for both ENSC 2407E and BIOL 2407E.

Hours: Two hours of lecture and three hours of laboratory work per week per fourteen week term.

Credits: 3.0

This course will introduce the student to the methods used to assess the biological effects of various substances which occur naturally or artificially in the environment. Acute and chronic toxicity experiments on plant and animal species will be conducted. *Offered every year.*

ENSC 3006E Environmental Interpretation and Communication

Prerequisite: BIOL 2446E

Students may retain credit for only one of: ENSC 3006E, ESTD 3005E or BIOL 3006E.

Hours: Two hours of lecture and two hours of laboratory work per week for one term.

Credits: 3.0

Through the exploration of a forest ecology theme, the student will develop interpretation and communication skills in environmental science. Lectures in introductory forest ecology will provide a framework for examining various aspects of research,

including: literature review; experimental design and technique; data interpretation and presentation; scientific writing; and the use of various tools in preparing and presenting seminars, posters and scientific documents. This information will be applied directly to individual and/or group research projects. One or two required field trips will be taken on weekends early in the term.

ENSC 3007E Environmental Issues in Forestry

Prerequisite: BIOL 2446E

Students may retain credit for only one of: ENSC 3007E, ESTD 3005E and BIOL 3007E.

Hours: Three hours of lecture and three hours of laboratory work per week for one term.

Credits: 3.0

This course will introduce the student to forest ecology with an emphasis on the autoecology of important organisms; the structure, function and diversity of communities and ecosystems; responses of organisms and ecosystems to stress and disturbance; and the management of forest resources from an ecological perspective. Mandatory weekend field trip(s) will be conducted early in the semester. *Offered in 2002-2003.*

ENSC 3029E Instrumental Environmental Analysis

Prerequisite: CHEM 2208E

This course is intended primarily for students in the Environmental Biology and Technology program.

Hours: Two hours of laboratory work per week per fourteen week term.

Credits: 1.5

In this course, which is intended to provide the laboratory component for CHEM 2208E, the student will learn to operate modern analytical instrumentation used for environmental analysis.

ENSC 3046E Waste Management

Prerequisite: Restricted to students in the third or fourth year of the Environmental Biology and Technology program.

Hours: Three hours of lecture per week per fourteen week term.

Credits: 3.0

This course will survey current methods for managing and reducing waste material. Topics will include waste classification, waste reduction, disposal and transportation methods, government waste management programs/strategies, pertinent government regulations, and waste audits. Canadian issues from a federal, provincial, and municipal perspective will be emphasized, but some specific international issues will also be discussed.

ENSC 3066E Air Quality Control

Prerequisite: Restricted to students in the third or fourth year of the Environmental Biology and Technology program.

Hours: Four hours of lecture per week per fourteen week term.

Credits: 3.0

This course will examine the design and operation of air quality control systems. Topics will include indoor and outdoor air pollution, air pollution characterization, dispersion potential, air pollution control equipment, existing and new prevention technology, modelling, and government abatement programs. The student will collect air samples and learn to characterize air pollution and dispersion potential.

ENSC 3076E Water Quality Control

Prerequisite: Restricted to students in the third or fourth year of the Environmental Biology and Technology program.

Hours: Four hours of lecture per week per fourteen week term.

Credits: 3.0

This course will examine the design and operation of systems for water and wastewater control. Topics will include water and wastewater pollution characterization, municipal water treatment, distribution and disposal systems, sanitary sewer distribution systems, stormwater control, wastewater pollution control equipment, prevention technology, and government abatement programs.

ENSC 3158E Environmental Mitigation and Rehabilitation

Prerequisite: Restricted to students in the third or fourth year of the Environmental Biology and Technology program.

Hours: Three hours of lecture per week per fourteen week term.

Credits: 1.5

In this course, the student will study risk assessment and the methods of remediating existing environmental problems. Topics will include: spill clean-up; decommissioning industrial sites; soil decontamination; mine rehabilitation; underground storage tanks; the impact of noise and vibration; revegetation; and public perception as it relates to the assessment and communication of risk for sites which require rehabilitation. Case studies involving current international situations or events will be emphasized.

ENSC 3316E Environmental Planning and Assessment

Prerequisite: Restricted to students in the third or fourth year of the Environmental Biology and Technology program.

Hours: Three hours of lecture per week per fourteen week term.

Credits: 3.0

This course will examine primarily the provincial environmental assessment (EA) and planning process. Where applicable, national and international perspectives will also be presented. Topics will include pertinent legislation and policies, the planning process as it relates to the Environmental Protection Industry, the components of a successful EA, the evaluation and weighting of an assessment, the approval process, public involvement, and future concerns and directions. Case studies and field work will be included.

ENSC 3406E Environmental Toxicity Assessment

Prerequisite: Restricted to students in the third or fourth year of the Environmental Biology and Technology program.

Hours: Two hours of lecture and four hours of laboratory work per week per fourteen week term.

Credits: 3.0

This course will survey some of the advanced theoretical and practical considerations of toxicity measurement. Topics will include test standardization, quality assurance/quality control procedures, chronic toxicity testing, toxicity identification/reduction evaluations, quantitative structure-activity relationships, and new directions in toxicity test methods.

ENSC 3579E Environmental Ethics and Workplace Skills

Prerequisite: Restricted to students in the third or fourth year of the Environmental Biology and Technology program.

Hours: Three hours of lecture per week per fourteen week term.

Credits: 1.5

In this course, the student will learn how environmental ethics are developed in the workplace. This will be accomplished in part through case studies involving environmental incidents and situations. The student will also learn about generic skills, attitudes and behaviours which most employers seek in new recruits. Topics in this part of the course include personal ethics and goals, networking, team building, time management, problem solving and decision making. By gaining a solid understanding of workplace dynamics, potential new employees can learn how to work more effectively and how to bring about behavioural change within an organization.

Film

FILM 1005E Introduction to Film

Prerequisite: No prerequisite.

Hours: Three hours of lecture per week.

Credits: 6.0

This course is a basic introduction to the aesthetics of the film medium. The development of various elements of film (image, sound, etc.) and of such aspects of film making as directing, acting, and editing are examined through a survey of about 24 feature films from D.W. Griffith and Charlie Chaplin to the present. *Offered in 2002-2003.*

FILM 2105E World Cinema

Prerequisite: FILM 1005E

Hours: Three hours of lecture per week.

Credits: 6.0

In this course students study films chosen to represent the range and variety of work in major film producing countries (other than the U.S.A.) with emphasis on developments since 1945. *Offered in Summer 2002.*

FILM 2166E Women, Media and Representation

Prerequisite: Any course in, or cross-listed with, Gender Equality and Social Justice.

Students may not retain credit for both FILM 2166E and either GEND 2166E or WOMN 2166E.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

The body has always occupied a central place in the Western imagination, and images of women in particular, have long been a part of our everyday world. In this course, we will consider the different ways in which women have been represented through various mediums, from fine arts, film and television, to the print media, magazines, and more recently, the Internet. We will review contemporary cultural theories of representation and sexual difference, as well as recent debates in feminist media studies, and feminist theory that have provided an opportunity to understand the impact of representation on human experience. The course will focus not only on how women have been represented by others, but also on how women, in more recent years, have been choosing to influence the means of representation.

FILM 2305E Women in Cinema

Prerequisite: No prerequisite.

Students may not retain credit for both FILM 2305E and GEND 2305E.

Hours: Three hours of lecture per week.

Credits: 6.0

This course examines the portrayal of women in both mainstream and alternative cinema, including the influence of social, economic and political forces on developing roles of women in film and a comparison of the representation of women on the screen with the actuality of their lives in society. These issues are studied in the context of the representation of gender in American and European films, the Hollywood star system, acting styles, narrative forms, and theories of spectatorship and identification. A wide variety of significant films are screened and discussed, including the work of women directors. *Offered in Spring 2002.*

FILM 2845E The Director's Cinema

Prerequisite: No prerequisite.

Hours: Three hours of lecture per week plus screenings.

Credits: 6.0

The works of several important directors, with a detailed in-class examination of representative films are studied.

Cross-Listed Courses

The following course may be counted towards Film in a Liberal program: PHIL 2405E.

Fine Arts

Note: All studio courses are of 100 hours duration. Class times may vary. Enrolment is limited in all studio courses and a material cost for professional art supplies is necessary.

FAVA 1026E Art Fundamentals I

Prerequisite: No prerequisite.

Students may not retain credit for both FAVA 1026E and FAVA 1015E.

Hours: One hour of lecture and three hours of laboratory work per week for one term.

Credits: 3.0

This course introduces the elements and principles of two and three-dimensional design as they apply to Fine Arts/Visual Arts. The student will be introduced to a variety of materials, methods, and theoretical concepts related to drawing and painting. *Offered every year.*

FAVA 1027E Art Fundamentals II

Prerequisite: FAVA 1026E

Students may not retain credit for both FAVA 1027E and FAVA 1015E.

Hours: One hour of lecture and three hours of laboratory work per week for one term.

Credits: 3.0

This course is a continuation of FAVA1026E and further develops the elements and principles of two and three-dimensional design as they apply to Fine Arts/Visual Arts. The student will be introduced to a variety of materials, methods, and theoretical concepts related to drawing and painting. *Offered every year.*

FAVA 1206E Art History I

Prerequisite: No prerequisite.

Students may not retain credit for both FAVA 1206E and FAVA 1205E.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course explores fundamental themes in the history of western art in a non-chronological manner to introduce problems in style, theory, and cultural differences. Topics such as landscape, the figure, architectural space and form, religious images, fantasy, recurrence of symbols, and other major aspects of art are examined with reference to the arts of today from pre-historic to 1400 C.E. *Offered in 2002-2003.*

FAVA 1207E Art History II

Prerequisite: FAVA 1206E

Students may not retain credit for both FAVA 1207E and FAVA 1205E.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course explores fundamental themes in the history of western art from about 1400 to 1980. Topics such as landscape, the figure, architectural space and form, religious images, fantasy, recurrence of symbols, and other major aspects of western art are examined with reference to the arts of today. *Offered in 2002-2003.*

FAVA 2006E Drawing I

Prerequisite: FAVA 1027E

Students may not retain credit for both FAVA 2006E and FAVA 2085E.

Hours: One hour of lecture and three hours of laboratory work per week for one term.

Credits: 3.0

This course introduces the theory and practice of drawing, using both traditional and exploratory approaches. The basic elements of perspective and classical lighting develop the student's three-dimensional sense in terms of space and form. *Offered in 2002-2003.*

FAVA 2007E Drawing II

Prerequisite: FAVA 2006E

Students may not retain credit for both FAVA 2007E and FAVA 2085E.

Hours: One hour of lecture and three hours of laboratory work per week for one term.

Credits: 3.0

This course is a continuation of FAVA 2006E using drawing foundation practices. The course involves still life and life studies in black and white and introduces colour media. *Offered in 2002-2003.*

FAVA 2026E Painting I

Prerequisite: FAVA 1027E

Students may not retain credit for both FAVA 2026E and FAVA 2025E.

Hours: One hour of lecture and three hours of laboratory work per week for one term.

Credits: 3.0

This studio course explores the practical and theoretical concerns of painting in watercolour, oils and acrylics. Emphasis is placed on how the student manages basic painting; the fundamentals of easel painting; theory and chemistry of paint; structure of tools; and variety of traditional methods, e.g. glaze, impasto and underpainting. *Offered in 2002-2003.*

FAVA 2027E Painting II

Prerequisite: FAVA 2026E

Students may not retain credit for both FAVA 2027E and FAVA 2025E.

Hours: One hour of lecture and three hours of laboratory work per week for one term.

Credits: 3.0

This studio course is a continuation of FAVA 2026E and involves work in painting designed to increase the ability to deal with painting techniques through appropriate practical means. *Offered in 2002-2003.*

FAVA 2045E Design and Colour

Prerequisite: FAVA 1026E and FAVA 1027E

Credits: 6.0

This is a studio course which investigates the basic principles and theories of two and three dimensional design. Colour is studied in theory and practice. Through design and discovery, the student will explore various media.

FAVA 2236E Modern Art and Design History I

Prerequisite: FAVA 1207E

Students may not retain credit for both FAVA 2236E and FAVA 2235E.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course provides a comprehensive survey of major art and design movements from about 1800 to about 1900. It explores art and design theory and practice with an emphasis on the inter-relationships of style, technique, and culture.

FAVA 2237E Modern Art and Design History II

Prerequisite: FAVA 2236E

Students may not retain credit for both FAVA 2237E and FAVA 2235E.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course is a continuation of FAVA 2236E and provides a comprehensive survey of major art and design movements from about 1900 to the present. It explores art and design theory and practice with an emphasis on the inter-relationships of style, technique, and culture.

FAVA 3025E Advanced Painting

Prerequisite: FAVA 2026E and FAVA 2027E

Credits: 6.0

This is an advanced studio course in the practical and theoretical concerns of painting. The student is expected to develop a level of "professionalism" in producing a series of portfolio works utilizing traditional and/or contemporary means of painting.

FAVA 3036E Advanced Studio in Art

Prerequisite: No prerequisite.

Corequisite: FAVA 3086E or FAVA 3087E

Hours: One hour of lecture and three hours of laboratory work per week for one term.

Credits: 3.0

This is an advanced studio course in the practical and theoretical concerns of drawing and painting. The student is expected to develop a level of "professionalism" in producing a series of portfolio works utilizing traditional and/or contemporary means of drawing and painting.

FAVA 3047E Seminar in Art

Prerequisite: No prerequisite.

Corequisite: FAVA 3086E or FAVA 3087E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course focuses on the development of form and communication through independent studio/theory research.

FAVA 3086E Life Drawing I

Prerequisite: FAVA 2007E

Students may not retain credit for both FAVA 3086E and FAVA 3085E.

Hours: One hour of lecture and three hours of laboratory work per week for one term.

Credits: 3.0

This is an advanced studio course focusing on practical and theoretical concerns of life drawing as a basic concept of Fine Arts

and Visual Arts. Emphasis is on the human body and basic anatomy (skeletal and muscle developments). *Offered in 2002-2003.*

FAVA 3087E Life Drawing II

Prerequisite: FAVA 3086E

Students may not retain credit for both FAVA 3087E and FAVA 3085E.

Hours: One hour of lecture and three hours of laboratory work per week for one term.

Credits: 3.0

This course is a continuation of FAVA 3086E and involves further study and work in life drawing. *Offered in 2002-2003.*

FAVA 3376E Canadian Art History I

Prerequisite: FAVA 1207E

Students may not retain credit for both FAVA 3376E and FAVA 3375E.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This art and design history course explores various themes selected from Canadian visual cultural history from 1500 to 1900 and examines problems of changing values in society. The contributions of both indigenous and immigrant groups will be included. *Offered in 2002-2003.*

FAVA 3377E Canadian Art History II

Prerequisite: FAVA 3376E

Students may not retain credit for both FAVA 3377E and FAVA 3375E.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This art and design history course is a continuation of FAVA 3376E and explores various themes selected from Canadian visual cultural history from 1900 to present and examines problems of changing values in society. The contributions of both indigenous and immigrant groups will be included. *Offered in 2002-2003.*

Cross-Listed Courses

The following courses may be counted towards Fine Arts: CLAS 2505E, GEND 2045E, GEND 2216E, GEND 2306E, and PHIL 2405E.

French/Français

A student may retain credit for only one of FREN 1005F or FREN 1115F.

FREN 1005F Introductory French

Prerequisite: A minimum of Grade 12 French (or equivalent) is recommended. Registration is limited to non-francophone students.

A student may retain credit for only one of FREN 1005F or FREN 1115F.

Hours: Three hours of class instruction per week.

Credits: 6.0

The basic elements of French grammar and development of the four language skills (reading, listening-comprehension, writing and speaking) are studied. *Offered every year and offered in Spring 2002.*

FREN 1115F Semi-intensive course in French as a Second Language, Beginners' Level

Prerequisite: No prerequisite.

This course may not be credited towards French in a Liberal program.

A student may retain credit for only one of FREN 1005F or FREN 1115F.

Hours: Six hours of class instruction per week.

Credits: 6.0

Introduction to the principle mechanisms of the French language, especially spoken French. Presentation of the main language functions and related linguistic structures, using audio-visual methods and various documents (newspapers, films, songs, etc.). Practical exercises. *Offered in 2002-2003.*

FREN 2005F Français Intermédiaire

Prerequisite: FREN 1005F ou test de classement en français langue seconde. Registration is limited to non-francophone students.

Hours: Trois heures par semaine.

Credits: 6.0

Ce cours est donné complètement en français. Ce cours est une révision des notions élémentaires de la grammaire française. Exercices pratiques de la conversation, de la rédaction et de la traduction. Introduction à l'étude des textes culturels et littéraires simples (chansons, bandes dessinées, articles de journaux, etc.). Exercices de prononciation orale, de grammaire, de lecture et de compréhension écrite. *Offered every year.*

FREN 3005F Français Avancé

Prerequisite: FREN 2005F ou test de classement en français langue seconde. Offert aux étudiants anglophones et francophones.

Hours: Trois heures par semaine.

Credits: 6.0

Exercices spécialisés: grammaire, vocabulaire, expression orale et composition française. Études de textes tirés de la littérature canadienne-française. *Offered every year.*

FRAN 1105F Histoire générale des littératures et des cultures d'expression française

Prerequisite: Test de compétence en français et/ou FREN 3005F

Hours: Trois heures par semaine.

Credits: 6.0

Définition des notions de culture et de littérature. Survol de l'histoire de la littérature d'expression française en France et dans les principaux pays de la francophonie. À partir de quelques extraits d'auteurs, ce cours est une approche des mouvements littéraires et artistiques les plus représentatifs, de même que des techniques et des séries littéraires les plus pertinentes. *Offered in Spring 2002.*

FRAN 1605F Grammaire appliquée du français oral et écrit

Prerequisite: Test de compétence en français ou FREN 3005F

Hours: Trois heures par semaine.

Credits: 6.0

Étude systématique de la grammaire. Application à des exercices oraux et écrits en situation de communication. Explication des problèmes de la langue et de la parole dans leur contexte social. Précision du vocabulaire. Correction des anglicismes. Ce cours vise à l'expression de la subjectivité de l'étudiant et à une prise de conscience de son identité culturelle. *Offered in 2002-2003.*

FRAN 2525F Littérature canadienne d'expression française

Prerequisite: FRAN 1105F ou FRAN 1406F/FRAN 1407F

Hours: Trois heures par semaine.

Credits: 6.0

Étude de la littérature et de la civilisation canadienne française. Premier semestre: vue d'ensemble historique et étude de roman. Deuxième semestre: poésie, théâtre et essais.

FRAN 2545F La dissertation littéraire

Prerequisite: FRAN 1105F and FRAN 1605F

Hours: Trois heures par semaine.

Credits: 6.0

La dissertation est d'abord un processus de communication. Ce cours fournit à l'étudiant les outils nécessaires pour l'organisation cohérente de ses idées et l'expression de ses critiques personnelles. Ce cours est d'abord orienté vers la communication écrite en général et ensuite, vers la compréhension et l'interprétation du texte littéraire en particulier. Cette démarche est essentielle pour la rédaction et pour la présentation matérielle d'un travail universitaire en littérature. L'étudiant pourra donc acquérir l'habileté à mener une recherche, à construire un exposé écrit et à rédiger un essai ou un compte-rendu de ses lectures. Ce cours peut être crédité dans la concentration français.

FRAN 2605F Gabrielle Roy

Prerequisite: FRAN 1105F and FRAN 1605F

Hours: Trois heures par semaine.

Credits: 6.0

Étude des caractéristiques et structures de l'oeuvre entière de cette écrivaine canadienne-française originaire du Manitoba. Interprétation de ses principaux textes romanesques en fonction du contexte socio-culturel. Analyse de la thématique narrative dominante du roman *Bonheur d'occasion* en comparaison avec son adaptation cinématographique, et des autres romans comme *La montagne secrète*, *Ces enfants de ma vie*, *La détresse* et *l'enchantement*, *La rivière sans repos*, *La petite poule d'eau*, etc.

FRAN 2625F Le Roman Canadien-Français au XXe Siècle: thèmes et techniques

Prerequisite: FRAN 1105F and FRAN 1605F

Students may not retain credit for both FRAN 2625F and either FRAN 2626F or FRAN 2627F.

Hours: Trois heures par semaine.

Credits: 6.0

Parcours historique du roman canadien-français. Lecture subjective et interprétation du texte romanesque en situation de communication. Analyse des thèmes principaux dans une série d'oeuvres choisies. Évolution des techniques et du discours chez les auteurs qui ont marqué particulièrement chacune des époques du roman historique, du roman du terroir, du roman de moeurs, et finalement du roman personnel. Recherche de vocabulaire.

FRAN 2635F Simone de Beauvoir-L'autobiographie

Prerequisite: FRAN 1105F and FRAN 1605F

Hours: Trois heures par semaine.

Credits: 6.0

L'oeuvre de cette écrivaine française a profondément marqué la pensée et l'action féministes du XXe siècle et ce, partout dans le monde. Par une lecture critique comparant l'ensemble de son autobiographie: *Tout compte fait*, *Mémoire d'une jeune fille rangée*, *La force des choses I - II*, *La force de l'âge* avec la biographie de Deirdre Bair: *Simone de Beauvoir*, ce cours vise à approfondir la quête de l'identité de la femme à travers le regard qu'elle porte sur elle-même. Étude des procédés littéraires et des limites de la biographie et de l'autobiographie en tant que genre littéraire: réflexions critiques sur les rapports entre la vie et l'oeuvre pour l'interprétation du texte de littérature.

FRAN 3405F Le roman français au XXe siècle

Prerequisite: FRAN 1105F and FRAN 1605F

Students may not retain credit for both FRAN 3405F and FRAN 3406F.

Hours: Trois heures par semaine.

Credits: 6.0

Parcours historique du roman français au vingtième siècle. Lecture subjective et interprétation du texte romanesque en situation de communication. Analyse des thèmes principaux dans une série d'oeuvres choisies. Évolution des techniques et du discours chez certains auteurs marquants comme Alain-Fournier, Pagnol, Colette, Gide, de Beauvoir, Saint-Exupéry, Camus. Recherche de vocabulaire.

FRAN 3655F Anne Hébert

Prerequisite: FRAN 1105F and FRAN 1605F

Students may not retain credit for both FRAN 3655F and FRAN 3656F.

Hours: Trois heures par semaine.

Credits: 6.0

Lecture des principaux textes de l'écrivaine: *Les chambres de bois*, *le Torrent*, *Kamouraska*, *les Enfants du Sabbat*, *les Fous de Bassan*, et *Poèmes*. Recherche sur le lexique de l'oeuvre. Études des thèmes et des formes narrative et comparaison avec les adaptations cinématographiques.

FRAN 3725F Femmes et littératures canadiennes-français-es au XXe siècle

Prerequisite: FRAN 1105F and FRAN 1605F

Students may not retain credit for both FRAN 3725F and FRAN 3726F.

Hours: Trois heures par semaine.

Credits: 6.0

Ce cours est une critique historique et culturelle de la situation des femmes dans les littératures canadiennes-françaises au XXIème siècle. Comment les femmes se sont défini une identité, une place et un rôle dans les milieux culturels régionaux? Y a-t-il une écriture spécifiquement féminine? Comment les femmes construisent-elles leur imaginaire? Comment les femmes expérimentent-elles leur créativité? Interprétation de différents textes littéraires: essai, roman, poésie, théâtre, journal, lettres, etc. Ce cours peut être crédité dans Gender Equality and Social Justice.

Gender Equality and Social Justice

GEND 1025E Introduction to Gender Equality and Social Justice

Prerequisite: No prerequisite.

Students may not retain credit for both GEND 1025E and WOMN 1005E.

Hours: Three hours of lecture per week.

Credits: 6.0

Studies in Gender Equality and Social Justice is an interdisciplinary program that examines the social and cultural construction of gender, and the way this affects our systems of knowledge and institutions, our public and private relationships, and the quality of our lives. This introductory course offers a range of interdisciplinary perspectives on the work, status and lives of women in our local, national and global communities. It provides an overview of the history of gender inequality and the contributions of men and women to changing our social, economic, political and legal status. This course will examine popular issues and controversial debates that have been central to the development of women's studies, gender studies, and the equality rights movement, including topics such as new genetic technologies, pornography, fashion, media, euthanasia, sexual violence, hate crimes, and human rights. Students will be challenged to develop informed arguments, and to assess their impact on the lives of different groups of people -- men and women, visible minorities, and those of different religions and orientations. *Offered every year.*

GEND 2045E Women and Art History

Prerequisite: No prerequisite.

Hours: Three hours of lecture per week.

Credits: 6.0

This course examines the ideologies that have shaped women as producers of art and as representations in art. It considers the structures of power that enable or legitimize certain artists and art practices while simultaneously excluding others across diverse social, historical, and cultural contexts. Central themes include sexuality and cultural difference, and topics may include feminist re-readings of male-produced art, gender analyses of the notion of genius, representations of the female body, and critical evaluations of the historical canon of art. This course may be credited toward Fine Arts. *Offered in Spring 2002.*

GEND 2055E Women in Diversity

Prerequisite: GEND 1025E or WOMN 1005E

Students may not retain credit for both GEND 2055E and WOMN 2055E.

Hours: Three hours of lecture per week.

Credits: 6.0

This is a foundational course in Gender Equality and Social Justice which develops an integrated understanding of women's diverse and often conflicting social/political locations. The aim of this course is to provide analytic tools, conceptual frameworks and historical/comparative perspectives on the many factors which influence women's access to resources and well-being. This course is interdisciplinary in its approach and may include fiction, contemporary art forms, media analysis, etc., as well as social and political categories of analysis.

GEND 2156E Gender and the Law I: Law and Sexual Difference

Prerequisite: SOCI 1015E or any course in, or cross-listed with, Gender Equality and Social Justice .

Students may not retain credit for both GEND 2156E and WOMN 2156E.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course provides an overview of gender issues and their relation to historical and contemporary laws. We will examine the impact of various laws on the changing status of men and women in Canadian society. Through a study of influential cases and legal reforms in areas such as human rights, crime, family relations, and civil rights, we will evaluate the operation of gender bias within the legal system and its effect on the quality of our lives. Through a study of Constitutional challenges we will also trace traditional and modern ideas of equality and fairness as they pertain to sexual, racial and class difference. This course may be credited towards Sociology. *Offered every year.*

GEND 2157E Gender and the Law II: Women and Justice

Prerequisite: SOCI 1015E or any course in, or cross-listed with, Gender Equality and Social Justice.

Students may not retain credit for both GEND 2157E and WOMN 2157E.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course will examine a range of contemporary issues and debates concerning sexual politics and social justice. We will study the history of women's engagement with the law and the development of feminist approaches to achieving equality and social justice, particularly as they relate to topics that have been central to the women's movement. We will study the work of government and non-government organizations to change existing laws and social policies to answer to the changing needs and concerns of Canadian society. With this approach, we will review the notions of justice that guide these initiatives, and evaluate both their success and failure in achieving social and legal reform. This course may be credited towards Sociology.

GEND 2166E Women, Media and Representation

Prerequisite: Any course in, or cross-listed with, Gender Equality and Social Justice.

Students may not retain credit for both GEND 2166E, and either FILM 2166E or WOMN 2166E.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

The body has always occupied a central place in the Western imagination, and images of women in particular, have long been a part of our everyday world. In this course, we will consider the different ways in which women have been represented through various mediums, from fine arts, film and television, to the print media, magazines, and more recently, the Internet. We will review contemporary cultural theories of representation and sexual difference, as well as recent debates in feminist media studies, and feminist theory that have provided an opportunity to understand the impact of representation on human experience. The course will focus not only on how women have been represented by others, but also on how women, in more recent years, have been choosing to influence the means of representation. This course may be credited towards Film. *Offered periodically. Offered in 2002-2003.*

GEND 2206E Sex, Body, and Identity I

Prerequisite: No prerequisite.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

Sex, Body, and Identity I aims to provide students with a forum for thinking critically about how individuals learn, perform and experience their gendered identities. To approach the question of gender from a critical perspective, students will be asked to reflect on a number of theoretical questions. First, what exactly is “gender” and how is it different from “sex”? Second, how have feminist theorists, inspired by a variety of perspectives, made sense of gender and its implications for lived experience? Third, how are social imperatives related to femininity and masculinity both internalized and held in check by a vast constellation of concrete and abstract forces? Fourth, how do prevailing conceptions of femininity and masculinity condition our relationships to our own bodies and the bodies of others? Finally, how are the gendered norms and values that anchor themselves on the bodies and minds of human beings caught up in broader patterns of inequality and oppression? This course is suitable for students who do and do not have a background in women's studies or gender studies. *Offered in Summer 2002.*

GEND 2207E Sex, Body, and Identity II

Prerequisite: No prerequisite.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

While Sex, Body, and Identity I endeavors to look closely at how specifically gendered ways of being are sustained in and through the every day lives of women and men, this course proposes to delve deeper into the underpinnings of gender identity. In Sex, Body, and Identity II, students will take a multifaceted approach to unpacking this phenomenon we call “gender” by asking a number of fundamental questions, such as: Is gender necessarily rooted in nature and biology? Does gender have an essence? Have medical and scientific apparatuses participated in the production of gender as both a bodily category and as a way of being, thinking and desiring? Do the phenomena of intersexuality and transsexuality destabilize the gender order as we know it? We will engage such questions and concepts by means of lectures, class discussions, and group analyses of recent films and literature. *Offered in Summer 2002.*

GEND 2216E Gender, Culture and Textiles

Prerequisite: No prerequisite.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course studies the history of textiles from the Renaissance to the 20th century, as a means of examining the role of traditional and institutional structures in the formation of gender and cultural stereotypes. Drawing on art historical writing and works of art, this course will explore the way that social meanings and assumptions about sex and gender difference are related to textile production. Topics will include an analysis of how capitalism and industrialization have differently positioned men as artisans and women as sweatshop workers. This course may be credited toward Fine Arts . *Offered in 2002-2003.*

GEND 2217E Gender and the Media: Themes and Controversies

Prerequisite: Any course in, or cross-listed with Gender Equality and Social Justice.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course examines the media's role in the representation of gender through a close examination of various themes and issues. While the issues will vary from year to year, they may include topics such as gender and sport, sexuality and violence, power and politics, and media ownership. Students will be encouraged to develop critical reading and analytic skills, and to apply them to analyze a range of different media, including the internet, television, magazines and radio. *Offered in 2002-2003.*

GEND 2226E The Inquisition and the European Witch Craze

Prerequisite: Any course in, or cross-listed with, Gender Equality and Social Justice.

Hours: Three hours of lecture per week for one term.
Credits: 3.0

This course investigates the social, political, and legal conditions that made possible the persecution of women as witches under inquisitorial and secular regimes of punishment and control. Venturing into the darker side of the late Middle Ages and Renaissance, we will look at the rise of the inquisition and the criminalization and subsequent decriminalization of heresy, sorcery, and witchcraft. Through analyses of literary, legal and philosophical debates that were implicated in the rise and decline of the witch hunts, we will consider how such phenomena have been implicated in the changing legal status of men and women, and the representation of women in the literature of various disciplines, such as psychology, law, religion and science. *Offered in 2002-2003.*

GEND 2305E Women in Cinema

Prerequisite: No prerequisite.

Students may not retain credit for both GEND 2305E and FILM 2305E.

Hours: Three hours of lecture per week.
Credits: 6.0

This course examines the portrayal of women in both mainstream and alternative cinema, including the influence of social, economic and political forces on developing roles of women in film and a comparison of the representation of women on the screen with the actuality of their lives in society. These issues are studied in the context of the representation of gender in American and European films, the Hollywood star system, acting styles, narrative forms, and theories of spectatorship and identification. A wide variety of significant films are screened and discussed, including the work of women directors.

GEND 2306E Art and Social Justice

Prerequisite: No prerequisite.

Hours: Three hours of lecture per week for one term.
Credits: 3.0

Throughout history, artistic expression has been used to address such politicized issues as gender and sexuality, race and ethnicity, as well as forms of power and equality. This course will focus on a range of issues and debates concerning art, politics and social justice. Our study will include a variety of media, including textiles used to depict life under the repressive Chilean military government, the Mexican muralist projects, the art of the Depression, feminist approaches to art, artistic responses to AIDS (such as the NAMES Project AIDS Quilt), as well as current themes in art and society. Through this study, we will consider the notion of “political art” as well as its effectiveness in terms of creating social change. This course may be credited towards Fine Arts. *Offered in 2002-2003.*

GEND 3007E Feminist Theories and Perspectives: Contemporary Issues

Prerequisite: Any course in, or cross-listed with, Gender Equality and Social Justice.

Students may not retain credit for both GEND 3007E and either WOMN 3007E or WOMN 3005E.

Hours: Three hours of lecture per week for one term.
Credits: 3.0

This course will examine a range of contemporary feminist debates and contested issues. We will study current themes, influential arguments, and theoretical perspectives on topics pertaining to the sciences, social sciences and humanities, and the impact of feminist perspectives on the changing shape and content of these disciplines. Students will also become familiar with critical strategies and methodologies used by feminist theorists, such as deconstruction and genealogies of sexual identity, sexual difference, systems of power, and race relations. The course will cultivate the critical and analytical skills to evaluate the readings in various fields of study, and to apply feminist models for understanding relations of power, knowledge, and sex in multi-disciplinary studies. *Offered every year.*

GEND 3055E Special Topics in Women's Studies

Prerequisite: No prerequisite.

Students may not retain credit for both GEND 3055E and WOMN 3055E.

Hours: Three hours of lecture per week.
Credits: 6.0

The course will focus on current debates and controversies concerning the lives, work and status of women. Topics may include culture, language, politics, institutions and social relations. The specific topics and course description will be made available to students during registration in each year of offering.

GEND 3056E Topics in Gender Relations

Prerequisite: No prerequisite.

Hours: Students may not retain credit for both GEND 3056E and WOMN 3056E.

Credits: 3.0

Students will be introduced to topical issues relating to the changing relations of men and women in historical and contemporary societies. Topics may include sexuality, sexual politics, power, equality, and difference.

GEND 3116E Women and Religion

Prerequisite: RLST 1020E or any course in, or cross-listed with, Gender Equality and Social Justice.

Students may not retain credit for both GEND 3116E and either RLST 3116E or WOMN 3116E.

Hours: Three hours of lecture per week for one term.
Credits: 3.0

Christianity remains the most influential and dominant religion of Western culture. Its influence extends far beyond the obvious bounds of the Church. In this course we will focus particularly on the relations of Christianity to sex roles and sexual politics in Western Culture. We will examine the practices and beliefs of Christian religions with respect to sexuality, and the impact they have had on the changing status of women. Students will be introduced to contemporary studies of women and the Church. We will look at recent debates within Feminist Theology and their role in reconceptualizing the place of women in the study of religion and spirituality. *Offered periodically. Offered in 2002-2003.*

GEND 3117E Gender and the Bible

Prerequisite: RLST 1020E or any course in, or cross-listed with, Gender Equality and Social Justice.

Students may not retain credit for both GEND 3117E and WOMN 3117E.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

Drawing on specific writings and figures in orthodox and apocryphal texts of Judaism and Christianity, this course will explore the religious beliefs and values that have contributed to Western understandings of gender difference. It will examine the critical theologies and interpretive practices that have informed a range of issues such as family structures, and gender roles and responsibilities. The course will reflect on the extent to which the Biblical text continues to be a moral touchstone in contemporary society. This course may be credited towards Religious Studies. *Offered in 2002-2003.*

GEND 3126E Sex and the History of Medicine and Psychiatry

Prerequisite: GEND 1025E or WOMN 1005E

Students may not retain credit for both GEND 3126E and either PSYC 3126E or WOMN 3126E.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course will study the conceptualization and representation of sexual differences in historical and scientific literature. Examining images, ideas, and practices in the history of medicine and psychiatry, we will focus on the ways in which biological and psychological differences between men and women have been understood, and how such understandings have shaped studies of the mind and body in today's disciplines. The course will examine traditional and innovative philosophical, cultural, and religious beliefs and doctrines with a view to understanding how the history of science reflects the changing roles and status of men and women in Western culture. Our study will include a review of contemporary feminist engagements with scientific method and psychiatric practice and its impact on these institutions today. *Offered periodically.*

GEND 3127E Gender, Globalization and Human Rights

Prerequisite: SOCI 1015E or any course in, or cross-listed with, Gender Equality and Social Justice.

Hours: Three hours of lecture per week for one term

Credits: 3.0

This course is designed to familiarize students with a range of issues related to gender and globalization. To achieve this end, the course will first endeavour to make sense of the concept of globalization; this will necessitate a look at how globalization is structured, how it operates and how it conditions both local and global contexts. The course will then focus on why women and men fare differently in the age of globalization, especially with respect to human rights, health, education and work. Third, the course will investigate how globalization relies on the informal and often invisible labour power of primarily young and disenfranchised female workers. Finally, we will discuss how various public interest groups have reacted to globalization and consider the strengths and weaknesses of proposed alternatives. This course may be credited in Sociology.

GEND 3206E Power, Oppression and Human Rights

Prerequisite: Any course in, or cross-listed with, Gender Equality and Social Justice.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

Historical in perspective and interdisciplinary in scope, this course will examine specific regimes of gender-related persecution and their role in maintaining social and sexual roles in different cultural contexts. This course may focus on phenomena as general as religious or judicial persecution and cultural genocide, such as the European witch-craze, the Inquisition, Nazism, or ethnic cleansing.

GEND 3306E Perspectives on Power and Equality

Prerequisite: Any course in, or cross-listed with, Gender Equality and Social Justice.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course provides a broad historical examination of theories and perspectives of power, sexual difference, and gender equality. We will trace the relationship between the history of ideas and significant social events and revolutionary political activism that have taken place over the centuries. Our overview will include consideration of mainstream theoretical traditions, such as humanism, liberalism, socialism, and psychoanalysis, and their implications in the theory and development of race, class and gender analysis, feminist theories and perspectives, and social justice. *Offered in 2002-2003.*

GEND 4005E Honours Essay

Prerequisite: Completion of required courses at the first and second year level. *Students wishing to take this course during the following Spring/Summer or Fall/Winter Session must apply in writing to the discipline no later than February 15.*

Restricted to students in the fourth year of the Combined Honours program in Gender Equality and Social Justice and approval of the discipline is required prior to registration.

Credits: 6.0

Offered every year.

Cross-Listed Courses

The following courses may be counted towards Gender Equality and Social Justice:

ADMN	3307E	Gender and Diversity in Organizations
CLAS	3095E	Women in Classical Antiquity
ENGL	3206E	Special Topics in Women's Literature I
ENGL	3207E	Special Topics in Women's Literature II
FILM	2305E	Women in Cinema
FRAN	3725F	Femmes et littératures canadiennes-françaises au xxe siècle
HIST	2236E	Selected Topics in Women's History
HIST	2237E	A History of the Women's Movement
HIST	3355E	History of Women in Canada
PHIL	2606E	Gender and Philosophy I
PHIL	2607E	Gender and Philosophy II
PHIL	3205E	Philosophy of Sex and Love
POLI	3535E	Women and Politics in Canada
SOCI	3246E	Gender and International Development
SWLF	3445E	Women and Social Welfare
SWLF	3805E	Abuse and Violence Within the Family

General Science

GSCI 1010E Contemporary Physical Science

Prerequisite: No prerequisite.

Hours: Three hours of lecture per week.

Credits: 6.0

An introduction to physical science, this course is intended for students with little previous science background. A wide variety of selected topics from classical physics, modern physics, chemistry, geology, astronomy, biochemistry and earth sciences are examined. While the emphasis is on qualitative rather than quantitative analysis, some intermediate level algebra is required.

Geography

GEOG 1016E fulfils the prerequisite for most 2000 and 3000 level Human Geography courses and GEOG 1017E fulfils the prerequisite for most 2000 and 3000 level Physical Geography courses. Students may take Introductory Geography and upper level courses concurrently with the permission of the instructor. Upper level students concentrating in other disciplines may take Regional Geography courses without Introductory Geography upon permission of the instructor. Students may take fourth year courses in third year with permission of the instructor.

GEOG 1016E Introduction to Human Geography

Prerequisite: No prerequisite.

Hours: Two and one half hours of lecture and one and one half hours of laboratory work per week for one term.

Credits: 3.0

This course studies the spatial aspects of human development including the effects of man's culture, economics and social structure upon utilization of earth space. In order to better understand human behaviour, perception and association are dealt with in lab exercises. *Offered every year in both Fall and Winter and offered in Spring 2002.*

GEOG 1017E Introduction to Physical Geography

Prerequisite: No prerequisite.

Hours: Two and one half hours of lecture and one and one half hours of laboratory work per week for one term.

Credits: 3.0

This course introduces the student to important physical systems such as the lithosphere, biosphere, and atmosphere, and their elements and hazards. The student is introduced to the philosophies, theories, and concepts upon which physical and environmental geography is based. Laboratory exercises demonstrate the use of maps and aerial photographs and other equipment and methods of geographical analysis. *Offered every year in both Fall and Winter.*

GEOG 2016E Field and Laboratory Techniques

Prerequisite: GEOG 1017E

Students may not retain credit for both GEOG 2016E and GEOG 2015E.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course is directed towards students who have previously taken an introductory course in physical geography and are interested in furthering their skills in this field. The course attempts to bridge the gap between theoretical knowledge and practical experience. It will familiarize students with the field and laboratory methods at their disposal. They will learn how to apply these techniques to geographic problems, to attain confidence in their use, and to interpret the results. The wide variety of techniques that will be covered will allow the student to investigate: form, through topographic surveying using tape, level, compass, theodolite, altimeter and GPS; material properties, through lab analysis of grain size, shape, lithology and micro-fabric; process, through field monitoring using a variety of metering devices; and dating, using dendrochronology and lichenometry. *Offered every year.*

GEOG 2017E Cartography

Prerequisite: GEOG 1016E and GEOG 1017E
 Students may not retain credit for both GEOG 2017E and GEOG 2015E.
 Hours: Three hours of lecture per week for one term.
 Credits: 3.0

This course examines the manipulation, analysis, and display of spatial data. Basic cartographic concepts and principles, such as scales, projections, and map design, will be emphasized. The course follows a logical progression from the collection of data from secondary sources, such as remote sensing, through data manipulation, analysis, and presentation. Designed to be wide ranging, the course examines, historical, conventional, as well as computer-based techniques.

GEOG 2026E Introduction to Quantitative Methods

Prerequisite: GEOG 1016E or GEOG 1017E
 Students may not retain credit for GEOG 2026E and another introductory statistics course.
 Hours: Three hours of lecture per week for one term.
 Credits: 3.0

This is a systematic techniques course that provides an introduction to some basic statistical concepts and techniques that are common to all disciplines in the Social Sciences. These include: data collection and description, formulation and testing of hypotheses, time series analysis, and simple linear regression and correlation methods. The majority of examples employed focuses on applications in geography. Particular emphasis is placed on computer-based analysis including the use of SPSS and an introduction to computer mapping. *Offered every year.*

GEOG 2105E Geomorphology

Prerequisite: GEOG 1017E
 Hours: Three hours of lecture and practical work per week.
 Credits: 6.0

This systematic physical geography course is a study of geomorphic processes and their roles in the production of landforms and landscapes. Selected physiographic regions are studied and emphasis is given to the post-glacial development of the local Nipissing Basin. Emphasis is placed throughout on the interaction between human activity and geographic systems stressing the need for environmental planning. This course may be credited towards Geology. *Offered every year.*

GEOG 2206E Population Geography

Prerequisite: GEOG 1016E
 Hours: Three hours of lecture per week for one term.
 Credits: 3.0

The study of populations is central to private and public sector planning. With population age structures as a starting point, this systematic geography course considers trends that affect decision-making in the private and public sectors. Fundamental demographic indicators such as socio-professional structures and mobility within major human concentrations are introduced. Computer applications are employed. *Offered in 2002-2003.*

GEOG 2215E Cultural and Social Geography

Prerequisite: GEOG 1016E
 Hours: Three hours of lecture per week.
 Credits: 6.0

The systematic human geography course introduces social and cultural concepts as they relate to spatial phenomena. This

course also studies the development and distribution of human societies and their social systems with particular reference to both culture and habitat. *Offered in 2002-2003.*

GEOG 2306E Economic Geography

Prerequisite: GEOG 1016E
 Hours: Three hours of lecture per week for one term.
 Credits: 3.0

This systematic human geography course is an introduction to the factors affecting the location of economic activity and the development of regional economies.

GEOG 2405E A Geography of Canada

Prerequisite: GEOG 1016E or GEOG 1017E
 Hours: Three hours of lecture per week.
 Credits: 6.0

This regional geography course involves a detailed study of the physical, cultural, economic, and political geography of Canada. Special attention is given to current problems relating to national and provincial development. *Offered every year and offered in Spring 2002.*

GEOG 2505E A Geography of the United States

Prerequisite: GEOG 1016E or GEOG 1017E
 Hours: Three hours of lecture per week.
 Credits: 6.0

A regional geographic study of climate, vegetation, soils, landform, and natural resources provides the environmental basis for regional evaluation. The human basis of assessment is focused on topics such as population distribution, ethnic diversity, settlement patterns, transportation routes, and the agricultural and industrial economy. This combination of physical and human characteristics enables us to develop a regional awareness of the physical, cultural and economic diversity of our nearest neighbour nation.

GEOG 2705E Russia, the Eurasian Republics and Eastern Europe

Prerequisite: GEOG 1016E or GEOG 1017E
 Hours: Three hours of lecture per week.
 Credits: 6.0

This regional geography course investigates an area of great physical and cultural diversity. Problems of space-resource utilization are exemplified by case studies. Another focus of inquiry is the progress of political and economical integration and its special aspects. *Offered in 2002-2003.*

GEOG 2807E Local and Regional Development

Prerequisite: GEOG 1016E
 Hours: Three hours of lecture per week for one term.
 Credits: 3.0

Regional development has been an intractable problem for Canada and other countries with both developed and traditional economies. This systematic human course reviews regional development theories, examines the practices of both government and industrial development bodies and analyses the problems of selected case study regions. *Offered in 2002-2003.*

GEOG 3036E Air Photo Interpretation

Prerequisite: GEOG 1016E or GEOG 1017E
 Hours: Three hours of lecture and practical work per week for one term.
 Credits: 3.0

Conventional aerial photography is studied in depth with particular emphasis on its application in Geography. This systematic technique course involves the interpretation of geomorphic features, vegetation, soils, and patterns of human occupation. Included is the examination of various geometric and physical characteristics of vertical air photos. This course may be credited towards Geology. *Offered every year.*

GEOG 3056E Introduction to GIS

Prerequisite: GEOG 2016E and GEOG 2017E

Students may not retain credit for both GEOG 3056E and GEOG 4056E.

Hours: Three hours of lecture and practical work per week for one term.

Credits: 3.0

This systematic technique course is a lecture-lab course that covers the basic theory and character of geographical information systems (GIS). Issues that are examined include: the generation of spatial databases using socio-economic and environmental data; advantages and disadvantages of raster and vector GIS models; and selected algorithms for decision making in a GIS environment.

GEOG 3105E Climatology

Prerequisite: GEOG 1017E

Hours: Three hours of lecture per week.

Credits: 6.0

This systematic physical geography course is designed to acquaint the student with the dynamics of the earth's atmosphere and its regional expression. It not only gives consideration to the physical properties and processes of the atmosphere, but also their significance relative to understanding the distribution of weather and climate at both micro- and macro-scales. *Offered every second year. Offered in 2002-2003.*

GEOG 3115E Biogeography

Prerequisite: GEOG 1017E

Hours: Three hours of lecture per week.

Credits: 6.0

This systematic geography course covers the study of dynamic responses of plant and animal distributions to physical factors such as climate and soils, and to human environmental factors. Emphasis is placed on conservation studies. A combination of lectures, field work, and laboratory studies are included. *Offered every year.*

GEOG 3205E Urban Geography

Prerequisite: GEOG 1016E

Hours: Three hours of lecture per week.

Credits: 6.0

This systematic human geography course deals with the urbanization process through time and space. Urbanization is examined through historical, functional and scientific explanations. The internal structure of the city from a land use perspective is studied along with theories of land use and spatial behaviour. *Offered every year.*

GEOG 3217E Political Geography and Development

Prerequisite: GEOG 1016E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This systematic human geography course deals with political geography at the national and international levels. Topics

include the political geography of the world order, the state, and development. Examples and case studies are used to demonstrate the political geography of development. Sustainability is used as a fundamental benchmark.

GEOG 3226E The Geography of Tourism and Recreation

Prerequisite: GEOG 1016E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This systematic human geography course explores the spatial, behavioural and environmental aspects of tourism and recreational activity. The role of tourism in regional and national development and different approaches to tourism planning will be examined. *Offered in 2002-2003.*

GEOG 3495E Northern Development

Prerequisite: GEOG 1016E

Hours: Three hours of lecture per week.

Credits: 6.0

This regional geography course is a comparative investigation of spatial organization in northern environments, with particular reference to Canada, Scandinavia and the former USSR.

GEOG 3605E A Regional Geography of the European Common Market Countries

Prerequisite: GEOG 1016E

Hours: Three hours of lecture per week.

Credits: 6.0

A regional analysis of each ECM country is presented. The Common Market realities and integration problems are surveyed. *Offered in 2002-2003.*

GEOG 3646E The Arab World

Prerequisite: GEOG 1016E or GEOG 1017E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This regional geography course deals with major problems of development in the Arab World, a region comprised of North Africa and the Middle East. These problems include arms expenditures, water scarcity, and distribution of accumulated capital from oil sales. This survey course considers the geography, economics, sociology, politics, religion, and history of the region in the context of development.

GEOG 3647E Regional Geography of South Asia

Prerequisite: GEOG 1016E or GEOG 1017E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This regional geography survey course considers the land and the people of India, Pakistan, Bangladesh, Nepal, Bhutan, Sri Lanka and the Maldives Islands with emphasis on the geography, economics, sociology, politics, and history. Colonialism, international relations and international development are also addressed.

GEOG 3806E Transportation and Communication Systems

Prerequisite: GEOG 1016E

Students may not retain credit for both GEOG 3806E and GEOG 2806E.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This systematic human geography course is a study of the development of transport systems, emphasizing the economic and social consequences of different types of transport systems. The course covers systems for transporting people and goods (road, rail, water and air transport) and systems for communicating ideas (telecommunications) and focuses on the geographic consequences of changing transport systems. Assessment of the impact of transport and communication facilities on environment, society, economy, and culture will be examined.

GEOG 3825E Geography of Developing Countries

Prerequisite: GEOG 1016E or GEOG 1017E

Hours: Three hours of lecture per week.

Credits: 6.0

This regional geography course offers a systematic study of underdevelopment and spatial analyses of population, culture, resources, and economic development in selected areas from Latin America, Africa, or Asia that are experiencing problems in integrating with the world economy.

GEOG 4037E Remote Sensing of the Environment

Prerequisite: GEOG 3036E

Students may not retain credit for both GEOG 4037E and GEOG 3037E.

Hours: Three hours of lecture and practical work per week for one term.

Credits: 3.0

This systematic technique course is an interdisciplinary approach to remote sensing of the environment. Emphasis is placed on applications to geographic research and applied studies in related disciplines. Imagery interpretation involves the analysis of data collected by sensors on-board aircraft and spacecraft. Students become familiar with conventional photographic imagery, infra-red scanner data, SLAR, and various microwave systems. This course may be credited towards Geology.

GEOG 4057E Topics in GIS Applications

Prerequisite: GEOG 3056E

Hours: Three hours of lecture and practical work per week for one term.

Credits: 3.0

This systematic technique is a lecture-seminar lab course covering selected topics in the application of geographic information systems in the social and natural sciences. Students undertake a major term project selected in consultation with the instructor.

GEOG 4106E Applied Geomorphology

Prerequisite: GEOG 2105E or GEOL 1005E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This systematic physical geography course deals with the application of geomorphic principles in environmental planning and management and the practical use of geomorphology for the solution of problems where man wishes to transform landforms or to use and change surficial processes. Particular attention is focused on the study of geomorphic processes that affect man, such as floods and landslides, and man's utilization of geomorphic agents or products such as water, sand, or gravel, as resources. This course may be credited towards Geology.

GEOG 4107E Land Resources and Their Assessment

Prerequisite: GEOG 1016E and GEOG 1017E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

Tools and frameworks for assessing land including Environmental Site Assessment and Environmental Impact Assessment are taught through reference to case studies. Societal and legal contexts are included as are the fundamental assumptions on which these tools are based.

GEOG 4116E Pleistocene and Glacial Geomorphology

Prerequisite: GEOG 2105E or equivalent

Hours: Three hours of lecture per week for one term.

Credits: 3.0

Topics covered in this systematic physical geography course include continental and alpine glaciation, erosional and depositional features, glacial climates and their origin, ancient glaciations (Huronian, late Precambrian, Ordovician, late Paleozoic), glacio-marine environments, glaciations and floral-faunal changes, extinctions, and coeval low latitude environments. Students participate in local field trips to examine gravel deposit, glacial varvites (clays) and soils. This course may be credited towards Geology. *Offered in 2002-2003.*

GEOG 4126E Applied Hydrology for Environmental Planning

Prerequisite: GEOG 2105E

Hours: Three hours of lecture/practicum work per week for one term.

Credits: 3.0

This systematic physical geography course concerns itself with the study of the watershed as a geographical unit. It presents a practical approach to the study, measurement and analysis of hydrologic, hydro-geomorphic and human elements interacting in drainage basins. Against the purely physical landscape, human occupancy and use of riverine sites are examined to elucidate the impact of human activities and structures on the watershed and vice versa. *Offered in 2002-2003.*

GEOG 4127E Lake and Wetland Environments

Prerequisite: 24 credits in Geography.

Students may retain credit for only one of GEOG 4127E, BIOL 2107E and ENSC 2107E.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This systematic physical Geography course deals with the physical, chemical and biological environments of lakes and wetlands. *Offered in 2002-2003.*

GEOG 4136E Applied Climatology

Prerequisite: GEOG 3105E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This systematic physical geography course is an in-depth study of selected topics in advanced applied climatology. Special emphasis is placed on the study of surface radiation, energy, and water balance research; atmospheric stability, vertical motion, and air pollution; urban and topographic micro-climatology; synoptic climatology, vorticity, and weather forecasting.

GEOG 4137E Paleoclimatology and Climatic Change

Prerequisite: GEOG 3105E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This systematic physical geography course investigates past and future climatic and environmental change. Paleoclimatic evidence is used to demonstrate methods of climatic interpretation.

Models of climatic change and theories of glaciation are used along with current evidence of climatic cycles to speculate on future changes in global climates. *Offered in 2002-2003.*

GEOG 4216E World Population Growth

Prerequisite: GEOG 1016E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This systematic human geography course examines the geographical application of theories of population growth in the developed and developing worlds. Special attention is given to the critical assessment of such features as population explosion, population control, planning, policies, overpopulation, underpopulation, migration, and the implications of present population trends. *Offered in 2002-2003.*

GEOG 4217E International Environmental Standards for Use by Industry

Prerequisite: GEOG 1016E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This systematic course deals with the international agreements, environmental standards and auditing processes now in place under the ISO 14000 guidelines. Specifically, the course will cover the main tenets of the ISO 14000 series, the international breadth of ISO 14000 acceptance, the motivations for companies adhering to the ISO tenets, the software designed for ISO applications and a series of case studies of ISO applications.

GEOG 4317E Issues in Economic Geography and Development

Prerequisite: GEOG 1016E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This seminar course examines problems of economic development in Canada and overseas. Emphasis will be placed on conditions leading to changes in level of economic development and the economic, social, environmental, political and cultural impacts of change on localities. Both local and global agents of change and socio-economic structures will be examined.

GEOG 4806E Natural Resource Development in Regional Planning

Prerequisite: GEOG 3205E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This systematic human geography course examines the goals and objectives of regional planning and the strategies employed to assign the uses of natural resources. Application of planning approaches to resource use at the regional and national levels are analysed. Historical development, conflict resolution, partnerships and public participation are examined in the planning and allocation of resources. Native land claims and Native approaches to resource management are also included. *Offered in 2002-2003.*

GEOG 4807E Natural Resource Management

Prerequisite: GEOG 4806E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This systematic human geography course focuses on the land base and management of natural resources including wildlife,

forests, fisheries, minerals, recreation, tourism and cultural heritage. Methods and techniques as they pertain to resource management, including integration and sustainability are studied. *Offered in 2002-2003.*

GEOG 4816E Urban Land Use Planning Theory

Prerequisite: GEOG 3205E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

The systematic human geography course familiarizes the student with the scope of the geographer's interest in urban planning. While the topics covered concern primarily the spatial principles of urban land use planning, consideration is given to social, economic, and political elements that shape the environment as well. Seminars and practical exercises comprise an essential part of the course.

GEOG 4817E Urban Land Use Planning in Canada

Prerequisite: GEOG 3205E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

The systematic human geography course reviews land use planning in urban Canada. The themes examined include the role of the Government of Canada in dealing with national problems or urban settlement, the involvement of the Province of Ontario with municipal land use planning, and a case study review of the planning process within the Regional Municipality of North Bay.

GEOG 4976E Geography Field Camp

Prerequisite: Restricted to students in the fourth year of an Honours program and approval of the discipline is required prior to registration. Prospective students must apply to the discipline by March of the preceding academic year.

Credits: 3.0

A specific area will be analysed from a geographic point of view in a one-week field camp. Follow-up readings, oral presentations and report writing are completed over the remainder of the term. This course will be held off campus. Each student is required to pay the costs of transportation, accommodation and meals. *Offered every year.*

GEOG 4977E Human Geography Field Camp

Prerequisite: Restricted to students in the fourth year of an Honours program and approval of the discipline is required prior to registration. Prospective students must apply to the discipline by March of the preceding academic year.

Credits: 3.0

A specific area will be studied from a geographic point of view in a one-week field camp. Follow-up readings, oral presentation and report writing are completed over the remainder of the term. This course will be held off campus. Each student is required to pay the costs of transportation, accommodation and meals.

GEOG 4985E Directed Studies

Prerequisite: Restricted to students in the fourth year of an Honours program with a minimum 70% overall average and approval of the discipline is required prior to registration. *Students wishing to take this course during the following Spring/Summer or Fall/Winter Session must apply in writing to the discipline no later than February 15.*

Credits: 6.0

This course presents an opportunity for students to do special studies in the field of geography. The work is supervised by a faculty member who is qualified in the student's area of interest. Work load normally involves periodic discussions and a major essay. *Offered every year.*

GEOG 4995E Senior Seminar and Thesis

Prerequisite: Restricted to students in the fourth year of an Honours program with a minimum 70% overall average and approval of the discipline is required prior to registration. *Students wishing to take this course during the following Spring/Summer or Fall/Winter Session must apply in writing to the discipline no later than February 15.*
Credits: 6.0

Offered every year.

Geology

Students may not retain credit for both GEOG 1005E and GEOL 1020E.

GEOL 1005E General Geology

Prerequisite: No prerequisite.
Students may not retain credit for both GEOL 1005E and GEOL 1020E.
Hours: Three hours of lecture and three hours of laboratory per week.
Credits: 6.0

An introduction to the principles of geology including the materials of the earth, its structure and those physical and chemical processes at work within and upon it that have produced the features of the earth known today. The historical development of the earth, and in particular North America, is examined in the light of the fossil record. Laboratory work includes the study of minerals, rocks, fossils, geologic and topographic maps. Field trips. *Offered every year.*

GEOL 1020E Understanding the Earth

Prerequisite: No prerequisite.
Students may not retain credit for both GEOL 1005E and GEOL 1020E.
Hours: Three hours of lecture per week.
Credits: 6.0

This is an introductory general geology course for students without a background in science. Topics include: the nature and properties of minerals, the origin and interpretation of the major groups of rocks, the origin of the earth, its continents, mountain building, seafloor spreading, origin and evolution of life on our planet; the causes and prediction of earthquakes and volcanic activity; the origin of mineral deposits and fossil fuels. Students are expected to learn to identify selected rocks, minerals and fossils. Field trips will be arranged if practicable. *Offered in 2002-2003.*

GEOL 2021E Geology of Earth Resources

Prerequisite: GEOL 1005E or GEOL 1020E
Hours: Three hours of lecture per week for one term.
Credits: 3.0

This course studies the nature and origin of economically important non-renewable resources in the earth's crust with special reference to Canadian minerals: metals, fossil fuels, phosphates, evaporites, aggregates, etc. Geological processes leading to mineral concentrations are examined. This course is directed towards the non-science student who requires some understanding of the geological background associated with the search and development of ore deposits. Students become familiar with geological maps, symbols and selected suites of ore specimen covering the more important Canadian mineral camps. Field trips may be included as part of the course. *Offered in 2002-2003.*

GEOL 2022E Natural Disasters

Prerequisite: GEOL 1005E or GEOL 1020E or GEOG 2105E
Hours: Three hours of lecture per week for one term.
Credits: 3.0

This course examines the nature and explanation of unusual levels of threat or damage, and disasters involving geological phenomena on humans and their communities. The approach will

emphasize the concepts of risk, risk assessment, the cause of disaster and the means to hazard reduction. Topics may include: earthquakes, volcanic eruptions, landslides, mudflows, avalanches, floods, land subsidence, etc.

Cross-Listed Courses

The following courses may be counted towards Geology in a Liberal program, up to a maximum of nine credits: GEOG 2105E, GEOG 3036E, GEOG 4037E, GEOG 4106E and GEOG 4116E.

History

Students may not retain more than 12 credits in History at the first year level.

HIST 1205E Europe Since 1500

Prerequisite: No prerequisite.

Hours: Three hours of lecture per week.

Credits: 6.0

This is an introductory survey of the development of modern Europe. An introduction to history; techniques of the study and writing of history; main schools of historians; some of the important themes, issues and events of European and Western history which have helped shape the modern world - they may include: the medieval background; the Renaissance; the Reformation; seventeenth century thought and science; wars of religion in the seventeenth century; politics, ideas and society in the eighteenth century; the French Revolution; Napoleon; politics and reform in nineteenth century England; modern "isms" (nationalism, liberalism, socialism, Marxism); the Russian Revolution; the origins and effects of the two world wars, and the Cold War. *Offered in 2002-2003.*

HIST 1406E Canadian History: The Formative Years

Prerequisite: No prerequisite.

Hours: Three hours of lecture and tutorial per week for one term.

Credits: 3.0

This course examines the historical developments in Canada from the first settlements to Confederation. *Offered every year and offered in Spring 2002.*

HIST 1407E Canadian History: The National Era

Prerequisite: No prerequisite.

Hours: Three hours of lecture and tutorial per week for one term.

Credits: 3.0

This course examines the political, economic and social developments in Canada from Confederation to the present. *Offered every year and offered in Spring 2002.*

HIST 1505E A History of the Modern World

Prerequisite: No prerequisite.

Hours: Three hours of lecture per week.

Credits: 6.0

This course is a comparative social history of Europe, America (including Canada), Asia and Africa after 1500. Topics may include: the rise and fall of European global supremacy from the sixteenth to the twentieth century; the emergence of the modern world; the Age of Discovery, Renaissance and Reformation; Early Modern society; the imposition of European hegemony in the world; the decline of magic; Scientific Revolution and Enlightenment; the Age of Revolution; early industrial society; democracy and mass politics; the ideological division of the twentieth century; women in the modern world; and contemporary problems such as overpopulation, ecological havoc, nationalism and nuclear arms. *Offered in 2002-2003.*

HIST 2055E History of Ancient Civilizations

Prerequisite: No prerequisite.

Hours: Three hours of lecture per week.

Credits: 6.0

The social, economic, political and religious life of ancient civilizations are studied. This course may be credited towards Classical Studies. *Offered in Spring 2002.*

HIST 2105E History of Medieval Europe

Prerequisite: HIST 1205E or HIST 1406E/HIST 1407E or HIST 1505E

Hours: Three hours of lecture per week.

Credits: 6.0

Various aspects of the rise of Europe from the decline of the Roman Empire to the Renaissance are studied.

HIST 2155E Early Modern Europe (1400-1750)

Prerequisite: HIST 1205E or HIST 1406E/HIST 1407E or HIST 1505E

Hours: Three hours of lecture per week.

Credits: 6.0

Europe during the transitional era from medieval to modern times, with special emphasis on the decline of the Middle Ages, the Renaissance, the Reformation, absolutism and the expansion of Europe is studied.

HIST 2236E Selected Topics in Women's History

Prerequisite: No prerequisite.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

The content of this course may vary from year to year but will focus on some aspect of women's history in Europe and/or North America such as Women and Religion, Women and Science, Women and the French Revolution. This course may be credited towards Gender Equality and Social Justice.

HIST 2237E A History of the Women's Movement

Prerequisite: No prerequisite.

Students may not retain credit for both HIST 2237E and HIST 2235E.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course will examine the history of the women's movements in the Western World from the 18th century to the present. This course may be credited towards Gender Equality and Social Justice.

HIST 2245E History of Science

Prerequisite: HIST 1205E or HIST 1406E/HIST 1407E or HIST 1505E

Hours: Three hours of lecture per week.

Credits: 6.0

This course is a study of the rise of Science in relation to the development of western society.

HIST 2305E The Twentieth Century: Historical Perspectives, Main Events, Issues and Themes of this Century

Prerequisite: HIST 1205E or HIST 1406E/HIST 1407E or HIST 1505E

Hours: Three hours of lecture/seminar per week.

Credits: 6.0

Topics covered in this course include: the world in 1910; major theses on the causes and consequences of the two world wars; the League of Nations; the major powers of the world; totalitarianism and totalitarian systems; the cold war; and contemporary problems in historical perspective. The course examines the social, political, economic, cultural and intellectual perspectives of the twentieth century.

HIST 2316E Military History I

Prerequisite: HIST 1205E or HIST 1406E/HIST 1407E or HIST 1505E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

The course begins with the Persian invasion of Greece and concludes with the aftermath of Napoleon. Among the topics discussed are the rise and fall of the Roman Imperial Army, feudal warfare, and the Great Captains such as Marlborough and Frederick the Great. Other themes include military organization and technology, and the nature of the battle. Emphasis is placed on the relationship between armed forces and the societies which raised them.

HIST 2326E Military History II

Prerequisite: HIST 1205E or HIST 1406E/HIST 1407E or HIST 1505E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course begins with a study of the impact of the industrial revolution and modern nationalism on armed forces and warfare in the nineteenth century. Special attention is paid to the two World Wars. The rise of nuclear weapons and the limited and guerrilla wars since 1945 are also included.

HIST 2345E Canadian First Nations in Historical Perspective

Prerequisite: HIST 1205E or HIST 1406E/HIST 1407E or HIST 1505E

Students may not retain credit for both HIST 2345E and HIST 3216E.

Hours: Three hours of lecture per week.

Credits: 6.0

This course examines the First Nations in Canada and their interaction with European and later Canadian governments and society. This course may be credited towards Native Studies.

HIST 2355E Canadian Urban History

Prerequisite: HIST 1205E or HIST 1406E/HIST 1407E or HIST 1505E

Hours: Three hours of lecture per week.

Credits: 6.0

This course is a survey of urban growth and development in Canada. Changes in the urban pattern are examined by exploring the historical basis and evolution of the built environment, the nature of urban society and its institutions.

HIST 2356E The Atlantic Provinces

Prerequisite: HIST 1205E or HIST 1406E/HIST 1407E or HIST 1505E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

A survey of the economic, social and political history of the Maritime provinces and Newfoundland.

HIST 2405E British History: Changing Perspectives

Prerequisite: HIST 1205E or HIST 1406E/HIST 1407E or HIST 1505E

Hours: Three hours of lecture/seminar per week.

Credits: 6.0

This course is a survey of the growth and development of modern Britain. Topics include: the origins, events and historiographical controversy on the Revolution of 1688; developments in philosophy, religion and political theory in the seventeenth and eighteenth centuries; beginnings of political parties from Charles II to Queen Anne; the rise and fall of Sir Robert Walpole; debate on George III; Industrial Revolution (controversy on causes and effects); society and culture in the nineteenth century; Victorian government; development of political parties in the nineteenth century; and England in 1914. *Offered in 2002-2003.*

HIST 2415E British Empire and Commonwealth

Prerequisite: HIST 1205E or HIST 1406E/HIST 1407E or HIST 1505E

Hours: Three hours of lecture per week.

Credits: 6.0

The first British Empire, the period of the American Revolution and the second British Empire are examined. Attention is given to the growth of colonial self-government and the concept of Commonwealth.

HIST 2425E History of Medieval England

Prerequisite: HIST 1205E or HIST 1406E/HIST 1407E or HIST 1505E

Hours: Three hours of lecture per week.

Credits: 6.0

This course is a survey of English history from the 5th to the 15th century. It examines the political, social, economic, and military life of the Middle Ages, with an emphasis on distinctive English developments.

HIST 2506E Modern France

Prerequisite: HIST 1205E or HIST 1406E/HIST 1407E or HIST 1505E

Students may not retain credit for both HIST 2506E and HIST 2505E.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course is a survey of the history of France since 1789. Topics may include: The Enlightenment and the Roots of Revolution; 1789, Republic, Terror, Thermidor; Napoleon; Congress of Vienna; the Restoration; the Revolution of 1830; industrialization; 1848; Louis Bonaparte; the Franco-Prussian War; the Paris Commune; the Third Republic; Triple Entente; the causes of World War I; France in World War I; Versailles; the Interbellum; French women during the 20th century; the welfare state; European unification; the Fourth Republic; decolonization; de Gaulle and the Fifth Republic; 1968; Mitterand; Chirac.

HIST 2575E History of European Expansion

Prerequisite: HIST 1205E or HIST 1406E/HIST 1407E or HIST 1505E

Hours: Three hours of lecture per week.

Credits: 6.0

This course addresses the expansion of European civilization from the fifteenth to the twentieth centuries. A comparison is made between the colonial expansion of Portugal, Spain, the

Netherlands, England, France, and Russia and the attitude of politicians, intellectuals, and the population at large in these countries toward colonialism and imperialism. The reaction of the indigenous population is taken into account. The institution of slavery in the New World is part of the discussion.

HIST 2606E Modern Germany

Prerequisite: HIST 1205E or HIST 1406E/HIST 1407E or HIST 1505E

Students may not retain credit for both HIST 2606E and HIST 2605E.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course is a survey of the history of Germany since 1789. Topics may include: Germany during the French Revolution and under Napoleon; the Congress of Vienna; Metternich; 1848; industrialization; Bismarck and the unification of Germany; the German and Austro-Hungarian Empires; World War I; the 'German Revolution'; Versailles; Weimar Germany; the Third Reich; World War II and the Holocaust; the two Germanies; the 'economic miracle', Germany reunited.

HIST 2705E History of Russia

Prerequisite: HIST 1205E or HIST 1406E/HIST 1407E or HIST 1505E

Hours: Three hours of lecture per week.

Credits: 6.0

This course is a survey of the history of Russia and the Soviet Union. Topics include: society, culture, economy and politics of the Eastern Slav society of Kievan Rus'; the Tatar Yoke and the rise of Muscovy; Ivan the Terrible, the Time of Troubles, Peter the Great; serfdom, cossacks, the occupation of Siberia; Catherine the Great; Napoléon and Alexander I; the Crimean War; the abolition of serfdom. Populism and industrialization; the Revolutions of 1905 and 1917; NEP; Stalin's 'Revolution from Above'; World War II; the Sovietization of Eastern Europe; Khrushchev; stagnation; Perestroika and Glasnost; the collapse of Communism: Gorbachev and Yeltsin. *Offered in 2002-2003.*

HIST 2755E History of East Central Europe

Prerequisite: HIST 1205E or HIST 1406E/HIST 1407E or HIST 1505E

Hours: Three hours of lecture per week.

Credits: 6.0

This course concentrates on the history of Poland, Hungary, the Czech and Slovak Republics and the Balkan region from the Middle Ages to the present. Topics may include: the christianization of the Slavs and Magyars; the Schism of 1054; East Central Europe and the 'Drang nach Osten'; the Ottoman invasions of Balkans and Hungary; the institution of the second serfdom; the Polish partitions; the Dual Monarchy; the fate of the new nation-states between the wars; the "sovietization" of the East Central Europe; the fall of communism and the post-communist present.

HIST 2805E History of Islamic Civilization

Prerequisite: HIST 1205E or HIST 1406E/HIST 1407E or HIST 1505E

Hours: Three hours of lecture per week.

Credits: 6.0

This course is an introductory survey of the influence of Islamic civilization on world history. First term topics include the roots of Islam in the ancient Middle East; Arab, Persian, and Turkic

contributions to the development of Islamic culture; and the spread of Islam beyond the Middle East. The second term focuses on the decline and revival of Islamic societies in the nineteenth and twentieth centuries, and the nature and importance of Islamic culture today.

HIST 2835E Totalitarianism: An Historical Examination

Prerequisite: HIST 1205E or HIST 1406E/HIST 1407E or HIST 1505E

Students may not retain credit for both HIST 2836E and HIST 2835E.

Hours: Three hours of lecture per week.

Credits: 6.0

This course is concerned with the historical theory and practice of totalitarianism in both its communist and fascist varieties. The course examines Marxism and Marxist movements; Leninism and the Russian Revolutions; International Communism between the wars; Lenin, Stalin, and the totalitarian state; the expansion of Communism to eastern Europe; origins of the Chinese Communist revolution; Maoism; contemporary Communism. Attention is also given to the theory and practice of Fascism as shown by Mussolini in Italy, Franco in Spain and Hitler in Germany, as well as of contemporary forms of Fascism. An inter-disciplinary study is also made of totalitarianism as a practical and theoretical historical paradigm.

HIST 3026E History of Canadian-American Relations

Prerequisite: HIST 1205E or HIST 1406E/HIST 1407E or HIST 1505E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course is a survey of diplomatic, political, cultural and economic aspects between the United States and British North America/Canada since 1783.

HIST 3196E Canada in the Twentieth Century: Selected Problems

Prerequisite: HIST 1205E or HIST 1406E/HIST 1407E or HIST 1505E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

An examination of the main trends in twentieth century Canada.

HIST 3205E Themes in Canadian Social History

Prerequisite: HIST 1205E or HIST 1406E/HIST 1407E or HIST 1505E

Hours: Three hours of lecture per week.

Credits: 6.0

The social history of Canada from New France to the twentieth century is examined using concepts such as gender, class, region and ethnicity. Family, religion, public health, crime and punishment, urban life, working class culture, education, social reform and domestic work are some of the topics examined. *Offered in 2002-2003.*

HIST 3246E History of Québec Since 1867

Prerequisite: HIST 1205E or HIST 1406E/HIST 1407E or HIST 1505E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course is a survey of the political, social, economic and cultural history of the Province of Québec since 1867.

HIST 3256E History of Ontario: Selected Topics I

Prerequisite: HIST 1205E or HIST 1406E/HIST 1407E or HIST 1505E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course examines social, political and/or economic issues in one or more of Upper Canada, Canada West or nineteenth century Ontario. *Offered in 2002-2003.*

HIST 3257E History of Ontario: Selected Topics II

Prerequisite: HIST 1205E or HIST 1406E/HIST 1407E or HIST 1505E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course examines social, political and/or economic issues in one or more of twentieth century Ontario, Ontario since 1945 and/or Northern Ontario. *Offered in 2002-2003.*

HIST 3266E The Canadian West

Prerequisite: HIST 1205E or HIST 1406E/HIST 1407E or HIST 1505E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course is a survey of western Canadian history from the establishment of the Hudson's Bay Company to the present.

HIST 3355E History of Women in Canada

Prerequisite: Six credits in History or GEND 1025E or WOMN 1005E

Hours: Two hours of lecture and one hour of tutorial per week.

Credits: 6.0

This course examines the history of women in Canada from the time of European settlement to the twentieth century. Women's role in both the private and the public sphere is examined. The diversity of women's experience based on region, class and ethnicity (or race) is also explored. Tutorial discussions focuses on various themes such as women's work, women in public, women and religion, women and education and women and family life. This course may be credited towards Gender Equality and Social Justice. *Offered in Summer 2002.*

HIST 3375E A History of Business in Canada

Prerequisite: HIST 1205E or HIST 1406E/HIST 1407E or HIST 1505E

Hours: Three hours of lecture per week.

Credits: 6.0

A survey of changing business practices in the context of socio-economic change, from New France to the 20th century.

HIST 3385E History of Education in Canada

Prerequisite: HIST 1205E or HIST 1406E/HIST 1407E or HIST 1505E

Hours: Three hours of lecture per week.

Credits: 6.0

This course will examine the relationship between education and society and the diversity of educational experiences in Canada, with particular attention to the impact on various social groups of the major trends in the history of education such as bureaucratization and the rise of progressive education.

HIST 3505E History of the United States

Prerequisite: HIST 1205E or HIST 1406E/HIST 1407E or HIST 1505E

Hours: Three hours of lecture per week.

Credits: 6.0

This course studies the main themes in American history from the colonial period to the present. *Offered in 2002-2003.*

HIST 3515E Themes in American Social History

Prerequisite: HIST 1205E or HIST 1406E/HIST 1407E or HIST 1505E

Hours: Three hours of lecture per week.

Credits: 6.0

This course will examine selected themes in American social history, especially issues relating to class, race and gender in the 19th and 20th century. *Offered in 2002-2003.*

HIST 3535E Foreign Relations in the United States in the Twentieth Century

Prerequisite: HIST 1205E or HIST 1406E/HIST 1407E or HIST 1505E

Hours: Three hours of lecture per week.

Credits: 6.0

This course will examine United States Foreign Policy in the 20th century and the impact of that policy on domestic affairs.

HIST 3576E The Americas in the Colonial Era

Prerequisite: HIST 1205E or HIST 1406E/HIST 1407E or HIST 1505E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course compares the colonial societies in the western hemisphere. *Offered in 2002-2003.*

HIST 3925E History and Historians: Ideas and Methods

Prerequisite: HIST 1205E or HIST 1406E/HIST 1407E or HIST 1505E

Students may not retain credit for both HIST 3926E and HIST 3925E.

Hours: Three hours of lecture-seminar per week.

Credits: 6.0

This is a lecture-tutorial course for History majors and others with an interest in the historical discipline. Emphasis is placed on the concepts used by historians in their study of western society including Canada. As well as a survey of historical writing and the philosophy of history, the course examines several of the interpretations and research and bibliographical techniques utilized by historians. This course may be credited towards Philosophy. *Offered every year.*

HIST 4015E Directed Studies

Prerequisite: 24 credits in History and approval of the discipline is required prior to registration.

Students wishing to take this course during the following Spring/Summer or Fall/Winter Session must apply in writing to the discipline no later than February 15.

Credits: 6.0

An individualized study course in which a student examines a special topic not normally offered at the upper year level but in an area of expertise of the instructor. An examination of the secondary literature in the topic area and the writing of a major term

paper to meet discipline guidelines is required. *Offered every year.*

HIST 4055E Research Project

Prerequisite: 24 credits in History and approval of the discipline is required prior to registration.

Students wishing to take this course during the following Spring/Summer or Fall/Winter Session must apply in writing to the discipline no later than February 15.

Credits: 6.0

An individualized research project in which the student writes a major research essay, based on primary sources and a historiographical review. Preparatory assignments appropriate to the topic may be required. *Offered every year.*

HIST 4185E Canada in the Twentieth Century

Prerequisite: 24 credits in History

Hours: Three hours of lecture/seminar per week.

Credits: 6.0

This course examines the political, social, economic, and intellectual developments in Canada from 1896 to the present. *Offered in 2002-2003.*

HIST 4225E Canadian Social History: Selected Themes

Prerequisite: 24 credits in History

Hours: Three hours of lecture/seminar per week.

Credits: 6.0

This course examines immigration and settlement patterns, social structure, education and religion, and changing Canadian attitudes.

HIST 4275E Ontario History

Prerequisite: 24 credits in History

Hours: Three hours of lecture/seminar per week.

Credits: 6.0

This course examines the social and economic development of Ontario with emphasis on such interrelated themes as settlement patterns, the transformation of agriculture, industrialization and urbanization. *Offered every second year. Offered in 2002-2003.*

HIST 4345E The Emergence of the Modern United States 1860-1917

Prerequisite: 24 credits in History

Hours: Three hours of lecture/seminar per week.

Credits: 6.0

This course examines several selected topics such as the Reconstruction of the South, the rise of the city, political and social reform, and imperialism. *Offered in 2002-2003*

HIST 4465E Family and Community in North American Society

Prerequisite: 24 credits in History

Hours: Three hours of lecture per week.

Credits: 6.0

This course examines the history of the family in North American society from the seventeenth century to the early twentieth century. The relationship between family and community in the context of economic and demographic change is explored. Selected themes such as childhood, marriage, old age and inheritance practices is looked at in various regional, ethnic and class contexts. *Offered every second year. Next offered in 2003-2004.*

HIST 4495E Modern Britain

Prerequisite: 24 credits in History
 Hours: Three hours of lecture/seminar per week.
 Credits: 6.0

The economic, social, political, and religious development of Great Britain - largely from 1714 to 1914 are examined. *Offered in 2002-2003*

HIST 4505E Topics in Medieval History

Prerequisite: 24 credits in History
 Hours: Three hours of lecture per week.
 Credits: 6.0

This course investigates selected aspects of medieval life, including such topics as the influence of religious ideas and institutions, the heroic and chivalric warrior cultures, economic life, and gender roles and family structure.

HIST 4605E Special Topics

Prerequisite: 24 credits in History
 Hours: Three hours of lecture/seminar per week.
 Credits: 6.0

The seminar topics lie in the professor's field of specialization. This is not an individualized study course. *Offered in 2002-2003.*

HIST 4655E Western Europe in the Nineteenth and Twentieth Centuries

Prerequisite: 24 credits in History
 Hours: Three hours of lecture per week.
 Credits: 6.0

This course explores the history of Germany, France, Spain, Portugal, the Low Countries and Italy during the last two centuries. Topics may include: attempts at unifying Europe in political and economic terms; Napoléon, Hitler, and the Common Market; the French, German, Italian and Spanish road to modernization; the Revolution of 1848; French-German relations (from enemies to friends?); crises of Western European history such as World War I and World War II, the Paris Commune and Vichy, Fascist Italy, or Portugal under the Salazar regime.

HIST 4685E Russia and Ukraine in the Twentieth Century

Prerequisite: 24 credits in History
 Hours: Three hours of lecture/seminar per week.
 Credits: 6.0

This seminar concentrates on the history of Russia and Ukraine during the twentieth century. Topics may include: Russian and Ukrainian nationalism; the revolutions of 1905 and 1917; the Civil War; collectivization and the Ukrainian famine; the Five-Year Plans; the Great Terror; the Gulag Archipelago; the sovietization of Western Ukraine; World War II; postwar Stalinism; the Thaw; Russian and Ukrainian dissidents; the collapse of the Soviet Union; contemporary Ukraine and Russia.

HIST 4725E The Age of Enlightenment

Prerequisite: 24 credits in History
 Hours: Three hours of lecture/seminar per week.
 Credits: 6.0

This course examines the intellectual, social, political, economic and religious development of Europe in the age of enlightenment.

HIST 4775E Twentieth Century Crises in Historical Perspective

Prerequisite: 24 credits in History
 Hours: Three hours of lecture/seminar per week.
 Credits: 6.0

The legacies and problems of the late nineteenth century and the shaping of the twentieth century world are examined. Emphasis is placed on social and cultural implications of selected international events. *Offered in 2002-2003.*

Cross-Listed Courses

The following courses may be credited towards History: PSYC 3126E or GEND 3126E.

Law and Justice

JURI 2206E An Introduction to Canadian Law

Prerequisite: No prerequisite.

Restricted to upper year students.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

The purpose of this course is to introduce students to the basic structure of the common law. Topics include the structure of the courts, criminal law, the law of torts with emphasis on the law of negligence, the law of contract, and the law of property with emphasis on real property transactions. *Offered in 2002-2003.*

JURI 2306E Commercial Law

Prerequisite: No prerequisite.

Restricted to upper year students.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course examines the legal rights and duties of buyers, sellers, employers and employees in Canadian law. Topics include contracts, insurance, negotiable instruments, business forms, property, and credit. *Offered in 2002-2003.*

JURI 2436E Environmental Law I

Prerequisite: No prerequisite.

This course is intended primarily for students in the Environmental Biology and Technology program.

Hours: Three hours of lecture per week per fourteen week term.

Credits: 3.0

This course surveys the structure and development of current environmental legislation and corresponding regulations at the international and Canadian federal, provincial, and municipal levels. Topics will include development/creation of environmental laws, structure of environmental laws, correct procedures for adhering to current legislation, corporate responsibility, investigation and enforcement, compliance and control, due diligence, corporate commitment to sustainable development, and professional codes of practices. *Offered in 2002-2003.*

JURI 2506E Property Law

Prerequisite: JURI 2206E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

The purpose of this course is to introduce students to the law of real and personal property. Topics include kinds of real property, estates in land, leases, mortgages, agency and personal property. *Offered periodically.*

JURI 3306E Legal Rights and Criminal Proceedings

Prerequisite: JURI 2206E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course focuses on the rights of the suspect, the accused and the convicted person in the criminal justice system and how these rights are protected at common law, by statute and under the Canadian Charter of Rights and Freedoms. The course also includes a consideration of criminal proceedings, police investigative procedures, the criminal trial, sentencing, and probation and parole. *Offered in 2002-2003.*

JURI 3436E Environmental Law II

Prerequisite: JURI 2436E

This course is intended primarily for students in the Environmental Biology and Technology program.

Hours: Three hours of lecture per week per fourteen-week term.

Credits: 3.0

In this course, the student will study the application of current environmental legislation and corresponding regulations at the international, federal, provincial and municipal levels. Topics will include access to information and the creation and revision of regulations, policies and procedures, guidelines, standards, limits, and codes of practices. Practical examples will be emphasized.

Mathematics

Mathematics Drop-In Centre

The Mathematics Drop-In Centre provides help to those students who are having difficulty with mathematics. A schedule will be available after classes begin.

MATH 1035E Calculus

Prerequisite: OAC Calculus or equivalent

Hours: Three hours of lecture and one hour of tutorial per week.

Credits: 6.0

Topics covered include: the real number system, algebra of functions, limits and continuity, differentiation, the mean value theorem, the definite integral, differentiation and integration of transcendental functions, applications of the derivative, techniques of integration, application of the integral, L'Hopital's rules, improper integrals, short introduction to ordinary differential equations, infinite series, partial differentiation. *Offered every year.*

MATH 1046E Introductory Linear Algebra

Prerequisite: An OAC Mathematics or MGA4U

Hours: Four hours of lecture per week for one term.

Credits: 3.0

Systems of linear equations; vectors in 2- and 3- dimensional Euclidean spaces; linear transformations; matrix algebra; determinants; and introduction to eigenvalues and eigenvectors and their applications. *Offered every year.*

MATH 1056E Discrete Mathematics I

Prerequisite: An OAC Mathematics or MGA4U

Hours: Four hours of lecture per week for one term.

Credits: 3.0

An introductory survey of discrete mathematics, with selected applications in the field of computing. Theoretical topics include: deductive and predicate logic; methods of proof; elementary number theory; number systems and Boolean algebra; mathematical induction; equivalence and order relations; set theory; elementary combinatorics; and the binomial theorem. Computer applications include: binary and hexadecimal representation; elementary computational arithmetic; digital logic circuits and their practical implementation (including simple labs utilizing AND, OR, NAND, NOR and XOR gates); computer algorithms; and program verification and error detection. *Offered every year.*

MATH 1070E Fundamentals of Arithmetic for Teachers

Prerequisite: An OAC mathematics or equivalent

MATH 1070E may not be credited towards a major or a minor in mathematics.

Hours: Three hours of lecture per week.

Credits: 6.0

This course is primarily intended for those students planning to become elementary school teachers. Topics covered include: logic; set theory; relations and operations on a set; structure and properties of the whole number system and whole number arithmetic, including modular arithmetic; structure and properties of the integer system and integer arithmetic; structure and properties of the rational number system and rational number arithmetic; structure and properties of the real number system and

real number arithmetic. Applications and examples from the field of elementary mathematics education are also included. *Offered every year.*

MATH 1257E Technical Statistics

Prerequisite: No prerequisite.

Hours: Three hours of lecture and two hours of laboratory work per week per fourteen week term.

Credits: 3.0

This introductory course will give the student an overview of descriptive and inferential statistical methods, with an emphasis on the use of computers for statistical analysis of data. Topics include measures of central tendency and dispersion, probability, probability distributions, estimation, hypothesis testing, regression and correlation analysis, and parametric and non-parametric tests of hypotheses involving two or more populations. *Offered every year.*

MATH 1911E Finite Mathematics

Prerequisite: As a prerequisite, this course is equivalent to the Finite Mathematics OAC. MATH 1911E may not be taken by students with credit in the Finite Mathematics OAC.

Hours: Four hours of lecture per week for one term.

Credits: 3.0

Topics include: introductory algebra and trigonometry, matrices and systems of linear equations, linear programming, descriptive statistics and elementary concepts of probability. This course is intended primarily for students in the Social Sciences and Professional Schools. This course may not be credited towards a major, a minor, or a Liberal program in Mathematics. *Offered every year and offered in Spring 2002.*

MATH 1912E Elementary Calculus

Prerequisite: As a prerequisite, this course is equivalent to the Calculus OAC.

MATH 1912E may not be taken by students with credit in the Calculus OAC.

Hours: Four hours of lecture per week for one term.

Credits: 3.0

Topics include functions, limits, continuity, basic differentiation, curve sketching, exponential and logarithmic functions and integration of simple functions. This course is intended for students in the Social Sciences and Professional Schools. Practical examples from these areas are included. This course may not be credited towards a major, a minor, or a Liberal program in Mathematics. *Offered every year.*

MATH 2036E Advanced Calculus I

Prerequisite: MATH 1035E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

Sequences; convergence; series; power series; Taylor series; and introduction to first- and second-order differential equations. *Offered in 2002-2003.*

MATH 2037E Advanced Calculus II

Prerequisite: MATH 1035E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

Review of vectors, lines and planes; scalar functions of several variables; partial differentiation; multiple integration; gradient and applications to curves, surfaces and volumes; vector functions; divergence and curl; Green's, Gauss' and Stokes' theorems and applications. *Offered in 2002-2003.*

MATH 2046E Advanced Linear Algebra I (formerly MATH 2057E)

Prerequisite: MATH 1046E

Students may not retain credit for both MATH 2046E and MATH 2057E.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

A continuation of MATH 1046E, with further study of: linear transformations and their matrix representation; vector spaces; bases and dimension; and eigenvalues and eigenvectors. Additional topics include: inner product spaces; orthogonality; diagonalization; quadratic forms; and applications. *Offered in 2002-2003.*

MATH 2056E Discrete Mathematics II

Prerequisite: MATH 1056E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course covers the following topics: countability of sets; first-order logic; algebra of relations; graph theory (including path problems, chromatic number, trees, planarity, directed graphs and directed trees); recurrence relations; $O(f)$, $o(f)$ and $\Theta(f)$ notations. *Offered every year.*

MATH 2076E Probability & Statistics I

Prerequisite: MATH 1035E

Hours: Three hours of lecture and one hour of tutorial per week for one term.

Credits: 3.0

Sets and counting; probability and relative frequency; conditional probability; Bayes' theorem; independence; discrete and continuous random variables; binomial, Poisson and normal distributions; functions of random variables; law of large numbers; generating functions; characteristic functions; moments; compound distributions; central limit theorems; Markov chains and their limiting probabilities.

MATH 2116E Geometry

Prerequisite: MATH 1056E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

A general survey of Euclidean, non-Euclidean and projective geometries; axiomatic systems; transformations; and symmetry.

MATH 2306E History of Mathematics

Prerequisite: An OAC mathematics course or equivalent.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

A survey of many of the great theorems in the history of mathematics, and their impact on mathematical discoveries and other scientific or philosophical ideas of the time. Theorems will range from the "quadrature of the line" to Cantor's concept of infinity.

MATH 2386E Problem Solving

Prerequisite: MATH 1035E, MATH 1046E, and MATH 1056E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course focuses on improving students' ability to solve problems from a wide variety of mathematical fields. Techniques involving direct and indirect reasoning, proof by contradiction,

symmetry, etc., are illustrated through numerous examples and problems. Ideas from areas such as analysis, probability and algebra are used in ways that are unexpected. Much of the learning occurs in an heuristic manner. At the end of the course, students may take part in the William Lowell Putnam Mathematics Competition

MATH 3126E Number Theory

Prerequisite: MATH 1056E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

Divisibility theory; Euclidean algorithm; congruencies; solutions of polynomial congruencies; primitive roots; power residues; quadratic reciprocity law; arithmetic functions; distribution of prime numbers; quadratic forms; and diophantine equations.

MATH 3127E Combinatorics & Graph Theory

Prerequisite: MATH 2056E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

A basic introduction to combinatorics and graph theory, including: planarity of graphs and colorings; matching problems; the principle of inclusion and exclusion; generating functions; Polya's theory of counting; Stirling numbers; and Eulerian numbers.

MATH 3136E Real Analysis I (formerly MATH 3036E)

Prerequisite: MATH 2036E

Students may not retain credit for both MATH 3136E and MATH 3036E.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

The real number system; sequences and limits; continuity; topology of the real line; theory of differentiation; and the Riemann integral. *Offered in 2002-2003.*

MATH 3137E Real Analysis II

Prerequisite: MATH 3136E (formerly MATH 3036E)

Hours: Three hours of lecture per week for one term.

Credits: 3.0

A continuation of MATH 3136E, including: metric spaces; convergence; completeness; continuity; compactness; connectedness; sequences and series of functions; Arzela-Ascoli theorem; Stone-Weierstrass theorem; Fourier series; inverse and implicit function theorems; and integration theory.

MATH 3146E Complex Analysis I (formerly MATH 3046E)

Prerequisite: MATH 2036E and MATH 2037E

Students may not retain credit for both MATH 3146E and MATH 3046E.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

Introduction to complex variables; complex functions; limits and continuity; derivatives; the Cauchy-Reimann equations; residues; and contour integration. *Offered in 2002-2003.*

MATH 3156E Algebra I (formerly MATH 3056E)

Prerequisite: MATH 2056E

Students may not retain credit for both MATH 3156E and MATH 3056E.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

An introduction to abstract algebraic systems, including: partially ordered sets; lattices; Boolean algebras; monoids; and a detailed study of groups. *Offered every year.*

MATH 3157E Algebra II

Prerequisite: MATH 3156E (formerly MATH 3056E)
Hours: Three hours of lecture per week for one term.
Credits: 3.0

Rings; ideals and quotient rings; fields; integral domains; polynomial rings; vector spaces and modules; extension fields; and linear transformations.

MATH 3166E Topology

Prerequisite: MATH 3136E (formerly MATH 3036E)
Hours: Three hours of lecture per week for one term.
Credits: 3.0

Topological spaces; compactness and connectedness; continuous functions; Tychonoff's theorem; separation axioms; Urysohn and Tietz theorems; homotopy; fundamental group; and covering spaces.

MATH 3266E Differential Equations I (formerly MATH 3066E)

Prerequisite: MATH 2036E
Students may not retain credit for both MATH 3266E and MATH 3066E.
Hours: Three hours of lecture per week for one term.
Credits: 3.0

First order differential equations; difference equations; second and higher order linear differential equations with constant coefficients; Laplace transformations; and series solutions. *Offered in 2002-2003.*

MATH 3267E Differential Equations II

Prerequisite: MATH 2037E, MATH 2046E (formerly MATH 2057E) and MATH 3266E (formerly MATH 3066E)
Hours: Three hours of lecture per week for one term.
Credits: 3.0

Introduction to nonlinear systems; stability; limit cycles and chaos; numerical solution of differential equations; Sturm-Liouville theory; Fourier series; and introduction to partial differential equations.

MATH 3276E Probability & Statistics II

Prerequisite: MATH 2076E
Hours: Three hours of lecture per week for one term.
Credits: 3.0

Methods of data analysis and data presentation; sampling distributions; point estimation and properties of estimators; parameter estimation; maximum likelihood and moment matching; interval estimation; hypothesis testing; likelihood ratio tests; goodness-of-fit tests; linear regression; analysis of variance; and nonparametric tests.

MATH 3286E Mathematics of Finance

Prerequisite: MATH 2076E
Hours: Three hours of lecture per week for one term.
Credits: 3.0

A survey of topics in the mathematical theory of interest and life contingencies, including: interest accumulation; annuities; amortization; sinking funds; bonds; capital budgeting; measurement

of mortality; life annuities; life insurance; premiums; reserves; cash values; population theory; and multi-life functions.

MATH 3296E Mathematical Modeling

Prerequisite: MATH 2036E, MATH 2037E and MATH 2076E
Hours: Three hours of lecture per week for one term.
Credits: 3.0

Principles of mathematical modeling; application of advanced mathematical concepts to a variety of disciplines, using models based on differential equations, optimization, and combinatorial and graph theoretical techniques, with concrete examples for each model.

MATH 3396E Selected Topics I

Prerequisite: Completion of core mathematics group.
Hours: Three hours of lecture per week for one term.
Credits: 3.0

An area of advanced mathematics which is not covered in any other course.

MATH 3397E Selected Topics II

Prerequisite: Completion of core mathematics group.
Hours: Three hours of lecture per week for one term.
Credits: 3.0

An area of advanced mathematics which is not covered in any other course.

Cross-Listed Courses

The following courses may be counted towards Mathematics: COSC 2206E and COSC 3006E.

Music

MUSC 1021E Music Appreciation

Prerequisite: No prerequisite.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course will provide students with the tools for informed listening through an understanding of the basic elements of music. In addition to predominantly "classical" music, other styles such as pop and jazz will be examined as a means for comparison and understanding. A concise and selective historical survey of musical styles in Western music will be presented. *Offered in 2002-2003.*

MUSC 1101E Music Theory I

Prerequisite: No prerequisite.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course will introduce students to the basic vocabulary of music theory including notation, scales, intervals, chords, rhythm, cadences, transposition and musical terms. The course is good preparation for Conservatory Grade 2 Rudiments. *Offered in 2002-2003.*

MUSC 1102E Music Theory II

Prerequisite: MUSC 1101E or Grade 2 Conservatory Rudiments

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course, which is a continuation of MUSC1101E, involves the study of chordal relationships as found in four-part writing. Melody-writing, structural analysis, and chordal analysis will also be addressed. *Offered in 2002-2003.*

MUSC 1420E Applied Music I

Prerequisite: Grade 6 Conservatory (or OAC Music) and an audition

Hours: Three hours of class per week.

Credits: 6.0

This course is designed for students who wish to pursue the study of an applied instrument. Each week, students will receive a private lesson as well as participate in classes which will alternate between an ensemble experience, a masterclass and lectures. An entrance audition is required and should be scheduled before classes begin in September. Instruments may include piano, voice, guitar, brass, woodwind, strings and percussion. *Offered in 2002-2003.*

MUSC 2056E Music in Popular Culture I

Prerequisite: No prerequisite.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course examines some of the principal forms of North American popular music since the late nineteenth century: rag-time, blues, jazz, swing, music hall, Tin Pan alley and the musical. It also provides an overview of all of these styles from a Canadian perspective.

MUSC 2057E Music in Popular Culture II

Prerequisite: No prerequisite.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course examines the origins and development of rock 'n' roll into the 1980s, and also looks at the new developments in electronic instruments, country, folk music and Canadian popular music from both the English and French perspectives.

MUSC 2255E Elementary School Music I

Prerequisite: No prerequisite.

Hours: Three hours of lecture per week.

Credits: 6.0

This course surveys materials and techniques appropriate for use in the elementary school classroom, with a special emphasis on pedagogical problems encountered in dealing with children in the lower grades. This course is beneficial for those considering the Primary/Junior Division course in teacher education or those working in the field requiring additional studies in music education. *Offered in 2002-2003.*

MUSC 2420E Applied Music II

Prerequisite: MUSC 1420E

Hours: Three hours of class per week.

Credits: 6.0

This course is designed for students who wish to continue the study of an applied instrument begun in MUSC 1420E. Students will be expected to continue their progress to a higher level of proficiency as compared to MUSC 1420E. *Offered in 2002-2003.*

MUSC 2606E History of Music: The Classical Period

Prerequisite: MUSC 1101E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course will provide an introduction to the music of the Classical Period (1750 - 1825). The focus will be on the style, form and historical background of the music and on major composers such as Mozart, Haydn and Beethoven.

MUSC 2616E History of Music: The Romantic Period

Prerequisite: MUSC 1101E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

The music of the Nineteenth Century will be studied with an emphasis on historical/social influences, informed listening and biographical information on the major composers of the period.

MUSC 2626E History of Music: The Twentieth Century

Prerequisite: MUSC 1101E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course will examine musical styles and techniques from the Twentieth Century, beginning with Post-Romanticism and Impressionism and extending to the Post World War II era.

MUSC 3420E Applied Music III

Prerequisite: MUSC 2420E

Hours: Three hours of class per week.

Credits: 6.0

This course is designed for students who wish to continue the study of an applied instrument begun in MUSC 1420E and MUSC 2420E. *Offered in 2002-2003.*

Native Studies

NATI 1005E Madjitang, in the Beginning ... An Introduction to Native Studies

Prerequisite: No prerequisite.

Hours: Three hours of lecture per week.

Credits: 6.0

This course is an opening survey of the inner workings and underpinnings of the Native cultures of Canada using historical, philosophical, spiritual and sociological frameworks from which to gather insight into both the uniqueness and the universality that flows through Native communities to this day. Special emphasis is placed on exploring fundamental principles involving Native evolution, values, current lifestyles and world view, with an eye to observing these constructs coming from the environment or natural world. *Offered every year.*

NATI 1205N Omushkego Etuskanaysewin

Prerequisite: No prerequisite.

Hours: Three hours of lecture per week.

Credits: 6.0

Omushkego Etuskanaysewin (culture and language of Mushkegowuk people) is a course which provides an overview of the Aboriginal people of the James Bay area. The history of the Mushkegowuk is examined as well as traditional values, beliefs, ceremonies and living with natural creation. An introduction to the Cree language is covered namely: the basics of conversational Cree, history of written Cree, dialects, language structure, Cree syllabics and translation of documents and conversations. The utilization of elders and local community members as resource people is emphasized in this course. The location of the course in a northern Native community is beneficial in regards to the access to the land and natural environment in the teaching of traditional skills and values. (This course was developed in partnership between the Moose Cree First Nation and Nipissing University.)

NATI 2005E Native Kinships with Environment

Prerequisite: NATI 1005E

Hours: Three hours of lecture per week.

Credits: 6.0

This course examines Native cultures' responses to the rhythms and cycles of the natural world, and how human beings and the environment create a living, integrated system. Strong emphasis will be placed upon recognizing the esteemed relationships among mineral, plant, animal and human beings. This matrix is commonly understood in Native societies as possessing a bond of kinship or esteemed partnership among relatives. From a contemporary context, the politics and legalities of land and its resources will be characterized. The clashes, wounds and healings between various factions and systems will be brought into perspective. Further discussions will center on land claims, blockades and land cautions. Existing models of sustainable development as incorporated by Native people will be given special attention. Native view of land as the great determiner, stewardship and its capability of bringing about positive change, and traditional Native practices for sustaining balance in the natural world will be explored. Examples from various Aboriginal cultures, along with forecastings and important messages of their elders and other resource people will be presented. Students who have not completed NATI 1005E may request permission of the instructor to take NATI 2005E. *Offered every second year. Next offered in 2003-2004.*

NATI 2025E Native Creativity and the Arts

Prerequisite: NATI 1005E

Hours: Three hours of lecture per week.

Credits: 6.0

This course explores the roots of Native creativity from its earliest observable forms and expressions to the introduction and worldwide acceptance of Native creative and artistic works in the visual arts, in literature (including drama and film) and in music. In many traditional Native cultures, the creative process has been seen as an integral part of everyday life. Functional creations spawned from daily activities are often items of ingenuity, grace and beauty. These and other creative expressions will be examined in detail, noting the wide variety of forms, materials, styles, regional variations and significant periods. The burgeoning world of Native expression in the contemporary arts scene in Canada will also be highlighted. Major Native artists and accompanying trends will be studied to reveal the ever-changing and highly respected world of the Native creative spirit. Students who have not completed NATI 1005E may request permission of the instructor to take NATI 2025E. *Offered every second year. Offered in 2002-2003.*

NATI 2205N Omushkego Etuskanaysewin II

Prerequisite: NATI 1205N

Hours: Three hours of lecture per week.

Credits: 6.0

Omushkego Etuskanaysewin II (culture and language of Mushkegowuk people) is a second-year Cree language course of the Cree people of the James Bay area. This second year course covers language structure and grammar, Cree syllabics and translation of documents and conversations. The utilization of elders and local community members as resource people is emphasized in this course. The location of the course in a northern Native community is beneficial in regards to the access to the land and natural environment in the teaching of traditional skills and values. (This course was developed in partnership between the Moose Cree First Nation and Nipissing University.)

NATI 3005E Native Spirituality and Religions

Prerequisite: NATI 1005E

Hours: Three hours of lecture per week.

Credits: 6.0

This course will explore the spiritual and religious beliefs and practices of Natives of the Americas, and particularly in Canada and the United States. Native cultures exhibit certain commonalities from a global perspective, but it is recognized that there are hundreds of Native cultures with distinctive viewpoints and belief systems. Special emphasis will be placed upon the examination of major rituals and ceremonies of various Native societies from across a wide spectrum, in order to develop clearer insights into the actual beliefs of the peoples. It is in their sacred spaces and events that the values and truths of Native people are continuously enacted. Their spirituality is seen as the very basis for their existence, and is therefore a key to the understanding and appreciation of other aspects of Native cultures. Students who have not completed NATI 1005E may request permission of the instructor to take NATI 3005E. This course may be credited towards Religious Studies. *Offered every second year. Next offered in 2003-2004.*

Cross-Listed Courses

The following courses may be counted towards Native Studies: ABCO 1006E, ANTR 2035E, ENGL 2275E, HIST 2345E, PHIL 2905E and SWLF 3405E.

Nursing

NURS 1006E Professional Self-Awareness

Prerequisite: This course is restricted to students enrolled in the Bachelor of Science in Nursing.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

Students will explore personal values related to their personal and professional goals. Reflection of personal learning styles will provide a base from which students can develop skills, strategies and resources that will enhance their success. This course will provide opportunities to explore the critical factors involved in interpersonal communication and relationships and deepen the student's understanding of the effect of these factors on interpersonal situations. Students will learn strategies to work effectively in groups. Each student will initiate a professional portfolio of accomplishments following the College of Nurses' guidelines as part of this course. *Offered every year.*

NURS 1007E Professional Foundations in Nursing

Prerequisite: NURS 1006E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

Students will be introduced to the legal and ethical basis of professional practice, including human rights and professional regulation. The course addresses the nature of the profession of nursing through the exploration of historical influences, philosophical perspectives, and the development of a professional self-concept by the practitioner. Recognizing that the nurse is an integral member of the health care team, the course will also examine concepts relevant to the delivery of professional nursing care in the health care system. *Offered every year.*

NURS 1016E Nursing and Health

Prerequisite: This course is restricted to students enrolled in the Bachelor of Science in Nursing.

Co-requisite: NURS 1026E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

Critical thinking strategies will be introduced for effective decision making and problem solving in the context of professional practice. Students will explore the personal meanings of holistic health and healthful living practices. The course explores the changing concepts of health through the evolving viewpoints of wellness, health, and illness as it applies to health promotion and disease prevention. A major focus will be the determinants of health, risk factor identification, and transcultural issues. *Offered every year.*

NURS 1017E Aging and Health

Prerequisite: NURS 1016E

Co-requisite: NURS 1027E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course focuses on caring for the older adult. Students will examine aging as part of the life process. Through the study of health promotion and health maintenance strategies, the course will focus on principles of healthy aging. Chronic health challenges that are common to the older adult population will be also addressed. *Offered every year.*

NURS 1026E Clinical Practicum - Nursing Healthy Individuals

Prerequisite: This course is restricted to students enrolled in the Bachelor of Science in Nursing.

Co-requisite: NURS 1016E

Hours: Three hours of clinical practice and four hours of laboratory work per week for one term.

Credits: 3.0

This course introduces students to the science and art of nursing. Exploration of the evolving nursing profession and the socialization of nurses will expose students to professional nursing values and regulations. Students will have an opportunity to explore caring as it relates to relationships with individuals and families throughout the life span. Students will focus on therapeutic communication and interviewing skills in the practice setting. *Offered every year.*

NURS 1027E Clinical Practicum - Nursing Older Adults

Prerequisite: NURS 1026E

Co-requisite: NURS 1017E

Hours: Ten hours of clinical practice and four hours of laboratory work per week for one term.

Credits: 3.0

This course provides students with an opportunity to learn and practice basic nursing skills in the laboratory and clinical settings. Students will become familiar with the requirements for the nursing care of older adults. *Offered every year.*

NURS 2006E Health Assessment

Prerequisite: BIOL 2707E and NURS 1027E

Hours: Two hours of lecture and two hours of laboratory work per week for one term.

Credits: 3.0

This course will focus on the assessment of healthy individuals. Students will learn to gather health assessment data, conduct a health assessment using an organized approach, and use appropriate physical examination techniques. Students will practice on each other in the laboratory setting. By the end of the course, students will be able to do a holistic health assessment. *Offered every year.*

NURS 2007E Therapeutic Relationships

Prerequisite: NURS 2026E

Co-requisite: NURS 2017E and NURS 2027E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course provides an overview of the theory and practice of effective communication, with emphasis on cultural and therapeutic relationships. Students will cultivate skills in the use of empathy, assertiveness, and conflict resolution. Students will review assessment of individuals with mental health concerns and strategies for intervening to assist these persons to meet their goals. *Offered every year.*

NURS 2016E Health Challenges

Prerequisite: BIOL 2707E and NURS 1027E

Co-requisite: NURS 2026E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course focuses on the critical thinking strategies required to provide nursing care for acutely ill clients. Students will learn to develop a holistic approach to caring for clients with common health risks. *Offered every year.*

NURS 2017E Nursing Across the Lifespan

Prerequisite: NURS 2026E

Co-requisite: NURS 2007E and NURS 2027E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course offers students the opportunity to understand the role of the nurse in various specialized settings. Students will learn how to plan care for individuals and families in specific contexts across the life span. *Offered every year.*

NURS 2026E Clinical Practicum - Nursing in the Acute Care Setting

Prerequisite: NURS 1027E

Co-requisite: NURS 2016E

Hours: Twelve hours of clinical practice and two hours of laboratory work per week for one term.

Credits: 3.0

This nursing practice course provides students with the opportunity to apply their knowledge and skills in the acute care setting. *Offered every year.*

NURS 2027E Clinical Practicum - Nursing in Specialized Settings

Prerequisite: NURS 2026E

Co-requisite: NURS 2007E and NURS 2017E

Hours: Fourteen hours of clinical practice per week for one term.

Credits: 3.0

This nursing practice course provides students with an opportunity to apply their knowledge and skills in specialized settings. *Offered every year.*

NURS 2037E Pharmacology

Prerequisite: NURS 2526E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course examines nursing pharmacotherapeutics related to body systems. Students will learn drug classifications and how they relate to human disease. The usual dosage, mechanism of action, contraindications, side effects, and the implications of specific medications will be reviewed. The students will practice specialized pharmacological calculations. *Offered every year.*

NURS 2526E Pathophysiology

Prerequisite: BIOL 2707E and NURS 1027E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course provides the theory necessary to understand the pathophysiology of common health challenges throughout the life process. The etiology, pathogenesis, clinical manifestations, and medical management of selected diseases will be examined. *Offered every year.*

NURS 3006E Nursing Theories

Prerequisite: NURS 1027E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course focuses on the exploration of the evolution of scientific nursing theories over time. The role and relationship of nursing theory to practice, education and research will be presented using selected grand, mid-range and practice specific theories as examples.

NURS 3007E Community Health Nursing

Prerequisite: NURS 3026E

Co-requisite: NURS 3027E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course studies communities and populations, with a focus on identifying and assessing populations at risk, and intervention at the primary care level. Theories of nursing, community health, and the role of the community health nurse will be explored.

NURS 3016E Family Nursing

Prerequisite: NURS 2027E

Co-requisite: NURS 3026E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course introduces students to an understanding of family nursing. The focus will be on the integration of the knowledge and skills related to the responsibilities of the nurse in providing health promotion and health protection services for individuals and families.

NURS 3026E Clinical Practicum - Family Nursing in Diverse Settings

Prerequisite: NURS 2027E

Co-requisite: NURS 3016E

Hours: Fourteen hours of clinical practice per week for one term.

Credits: 3.0

This nursing practice course provides students with an opportunity to apply their knowledge and skills with individuals and families in diverse settings. The focus will be on providing health promotion and health protection services for individuals and families.

NURS 3027E Clinical Practicum - Nursing Communities and Populations

Prerequisite: NURS 3026E

Co-requisite: NURS 3007E

Hours: Fourteen hours of clinical practice per week for one term.

Credits: 3.0

This nursing practice course provides students with opportunities to apply their knowledge and skills in specific communities and populations.

NURS 3036E Transcultural Nursing

Prerequisite: NURS 1027E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course focuses on an examination of the influences of culture on client responses to health, health challenges and nursing care. Cultural assessments with particular emphasis on Canadian cultural groups and the use of these assessments in planning and implementing culturally congruent care will be explored. Examination of cultural meanings on areas such as time, health, food and rituals will be completed.

NURS 4006E Nursing Informatics

Prerequisite: NURS 2027E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course focuses on the use of information technology as it relates to nursing practice, education, and research. It will examine the principles related to health care information systems. Students will have hands-on training with a clinical information system in the computer lab and clinical setting.

NURS 4007E Leadership and Management in Nursing

Prerequisite: NURS 4026E

Co-requisite: NURS 4017E and NURS 4027E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

Students will have the opportunity to learn the critical path to leadership development in the transition from being a nursing student to a nursing leader. Leadership and management skills will be explored in the context of the health care system, with a view to the crucial roles of nurses at all levels of health provision.

NURS 4016E Research in Nursing and Health

Prerequisite: MATH 1257E and NURS 2027E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course focuses on research design and methodology as it relates to nursing practice. Students will identify a specific problem or challenge in the clinical area to which they are assigned. They will learn to design a nursing practice study, and function as consumers of research and leaders in research utilization.

NURS 4017E Current Issues in Nursing

Prerequisite: NURS 4026E

Co-requisite: NURS 4007E and NURS 4027E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This seminar course will focus on the examination of health, health policy and political issues as they relate to nurses and the nursing profession. Students will be encouraged to explore strategies for political action at all levels to influence the creation and implementation of healthy public policy.

NURS 4026E Clinical Practicum - Advanced Nursing Practice

Prerequisite: NURS 3027E

Co-requisite: NURS 4036E

Hours: Fourteen hours of clinical practice per week for one term.

Credits: 3.0

This nursing practice course provides students with an opportunity to apply their knowledge and skills related to research and informatics in the clinical setting.

NURS 4027E Clinical Practicum - Preceptorship

Prerequisite: NURS 4026E

Co-requisite: NURS 4007E and NURS 4017E

Hours: This practicum will consist of 350 hours of clinical placement.

Credits: 9.0

In this course students will gradually assume responsibility for increasingly complex health-related situations. The focus will be on the integration of theory and practice in a variety of health care settings under the supervision of a registered nurse. Students will have the opportunity to develop independent decision-making skills and a sense of professional responsibility and identity.

NURS 4036E Complex Health Challenges

Prerequisite: NURS 3027E

Co-requisite: NURS 4026E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

Students will learn advanced concepts relevant to the care of individuals and families experiencing complex health challenges. Simulations and case studies will be used to enhance skills in critical thinking, pattern recognition, decision-making, and problem solving.

Philosophy

PHIL 1115E Introduction to Philosophy

Prerequisite: No prerequisite.

Hours: Three hours of lecture per week.

Credits: 6.0

Some of the topics which interest philosophers today are language, knowledge, belief, value, freedom and society. This course provides an introduction to philosophy by considering such topics as they have been treated by outstanding philosophers of the past and of our own day. *Offered every year and offered in Spring 2002.*

PHIL 2305E Origins of Western Philosophy

Prerequisite: PHIL 1115E

Hours: Three hours of lecture per week.

Credits: 6.0

This course introduces the various areas of philosophy through a study of major ideas in Greek philosophy from the pre-Socratics to Plotinus. Special emphasis on the thoughts of Plato and Aristotle. This course may be credited towards Classical Studies. *Offered every year.*

PHIL 2325E Reason and Experience in Early Modern Philosophy

Prerequisite: PHIL 1115E

Hours: Three hours of lecture per week.

Credits: 6.0

The main insights of the rationalist and empiricist philosophers of the seventeenth and eighteenth centuries are surveyed. The works of Descartes, Spinoza, Leibniz, Locke, Berkeley, Hume and Kant are the main focus of discussion.

PHIL 2405E Philosophy of Film

Prerequisite: One of: FILM 1005E, FILM 2305E, GEND 2305E or PHIL 1115E

Hours: Three hours of lecture per week.

Credits: 6.0

This course introduces students to a wide range of critical and interdisciplinary approaches to the study of film. We will consider the way film, as a visual medium, constructs and deploys meaning, as well as how it is experienced in everyday life. The course will cover a range of themes and issues including the use of film as propaganda, film as entertainment, and film as cultural critique. This course may be credited in Film and in Fine Arts.

PHIL 2505E Straight Thinking and Argument

Prerequisite: No prerequisite.

Hours: Three hours of lecture per week.

Credits: 6.0

The notions of definition, fallacy, propaganda and persuasion are discussed and related to techniques used by governments and advertising agencies in the pursuit of their goals. The formal properties of deductive reasoning - what can and cannot be done with the rules of logic - are outlined and applied to arguments in ordinary language. *Offered every second year. Offered in 2002-2003.*

PHIL 2525E Contemporary Moral Issues

Prerequisite: No prerequisite.

Hours: Three hours of lecture per week.

Credits: 6.0

A critical inquiry into significant moral problems for the individual and society, this course addresses such topics as abortion, suicide, sexual conduct, euthanasia, pollution, crime and punishment, civil disobedience, capital punishment, legal enforcement of moral standards, and war. Such inquiry gives rise to discussion concerning the possibility and nature of general moral standards.

PHIL 2606E Gender and Philosophy I

Prerequisite: PHIL 1115E or any course in, or cross-listed with, Gender Equality and Social Justice.

Students may not retain credit for both PHIL 2606E and PHIL 2605E.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course examines classical and modern conceptions of sexual difference and gender politics within the Western philosophical tradition. It provides an analysis of how assumptions about sexual difference and sexual identity explicitly and implicitly inform wider philosophical debates. Students will also be given the opportunity to study the historical writings of women philosophers who have largely been excluded from this tradition. This course may be credited towards Gender Equality and Social Justice.

PHIL 2607E Gender and Philosophy II

Prerequisite: PHIL 1115E or any course in, or cross-listed, with Gender Equality and Social Justice.

Students may not retain credit for both PHIL 2607E and PHIL 2605E.

Hours: Three hours of lecture per week for one week.

Credits: 3.0

This course will examine a range of questions and debates on issues of sex, gender, and power in contemporary philosophy. The course will encourage students to think critically about a wide range of views pertaining to the ethics of human relations. Topics include philosophical perspectives on desire, love, violence, and death. This course may be credited towards Gender Equality and Social Justice.

PHIL 2705E Eastern Philosophy

Prerequisite: PHIL 1115E

Hours: Three hours of lecture per week.

Credits: 6.0

The Buddhist and Hindu theories of knowledge and existence are studied, with particular attention given to the status of the empirical world, the nature of reality, the role of reason and discipline in the knowability of reality. *Offered in 2002-2003.*

PHIL 2905E Native Philosophy

Prerequisite: No prerequisite.

Hours: Three hours of lecture per week.

Credits: 6.0

This course explores the foundations of the traditional Native view of the world as well as the contemporary, political and philosophical developments within Native thought and experience. Traditional issues around morality, cosmology, and sacrality are discussed as well as modern issues around political self-determination, Native self-determination, Native self-under-

standing and Native concerns about modernity. The course content focuses on the Canadian Native tradition, with special emphasis placed on the Ojibway and Cree traditions. This course may be credited towards Native Studies. *Offered every second year. Offered in 2002-2003.*

PHIL 2915E Philosophy of Science

Prerequisite: No prerequisite.
Hours: Three hours per week.
Credits: 6.0

A philosophical inquiry into the nature and aims of the natural sciences, this course examines such key concepts as: observation, experiment, measurement, causality, explanation, prediction, law, and theory. The history of the philosophical understanding of the nature of science: the theory of nature. Newton and classical physics, relativity and quantum theory. An examination of the inter-relations of the various sciences. *Offered every second year.*

PHIL 3205E Philosophy of Sex and Love

Prerequisite: PHIL 1115E or GEND 1025E
Hours: Three hours of lecture per week.
Credits: 6.0

Major philosophers from Plato to Simone de Beauvoir have contributed much to our understanding of sex and love. This course will closely examine a number of important philosophical contributions to this field and will draw on a range of materials from sacred texts to the contemporary cinema. This course may be credited towards Gender Equality and Social Justice. *Offered in 2002-2003.*

PHIL 3305E Twentieth-Century Western Philosophy

Prerequisite: PHIL 1115E
Hours: Three hours of lecture per week.
Credits: 6.0

This course explores twentieth century Western philosophical trends in the Continental European tradition. The schools of phenomenology, hermeneutics, and deconstruction are examined in light of specifically chosen texts.

PHIL 3335E History of Modern Philosophy II: From Kant to the Twentieth Century

Prerequisite: PHIL 1115E
Hours: Three hours of lecture per week.
Credits: 6.0

This course covers the history of modern philosophy from Kant to German idealism to Nietzsche; French spiritualism and Comte; the empiricist tradition from Mill to Spencer; and, British idealism. *Offered every year.*

PHIL 3475E Existentialism

Prerequisite: PHIL 1115E
Hours: Three hours of lecture per week.
Credits: 6.0

The course discusses Existentialism as a reaction to nineteenth century idealism. The concept of existence as applicable to human experience is analyzed as standing in contrast to those of spirit, mind and behaviour. Its relation to the existentialist concepts of freedom, alienation, action, the body and the other is discussed. The relation to the phenomenological theory of consciousness and to the phenomenological method is explained. *Offered every second year. Next offered in 2003-2004.*

PHIL 3655E Philosophy of Language

Prerequisite: PHIL 1115E
Hours: Three hours of lecture per week.
Credits: 6.0

This is a seminar in the theory and modern practice of communication. The problems of meaning and translation, of objective statement, persuasion, and propaganda are the main areas of study, as these relate to communication between academic disciplines, linguistic, economic, and social groups.

PHIL 3755E Themes in Social and Political Philosophy

Prerequisite: PHIL 1115E
Students may not retain credit for both PHIL 3755E and PHIL 3995E (as offered in 1998-99).
Hours: Three hours of lecture per week.
Credits: 6.0

This course may vary in specific focus from year to year, but its unvarying content concerns such problems in social and political thought as justice, power, violence, and responsible action. Students are advised that a more detailed outline of subject matter is provided on a year to year basis by the discipline. *Offered every second year.*

PHIL 4105E Directed Studies

Prerequisite: PHIL 2305E and PHIL 3305E and approval of the discipline is required prior to registration. *Students wishing to take this course during the following Spring/Summer or Fall/Winter Session must apply in writing to the discipline no later than February 15.*
Credits: 6.0

Qualified students may do special studies in Philosophy beyond or outside regular discipline offerings. Students are required to carry out an independent research project supervised by the discipline. Examination of the secondary literature in the topic area and the writing of a major paper is required. *Offered every year.*

PHIL 4205E Seminar in Problems of Philosophy

Prerequisite: PHIL 2305E and PHIL 3335E
Hours: Three hours of lecture per week.
Credits: 6.0

Philosophy has traditionally concerned itself with problems arising from a consideration of such typically human phenomena as religion, science, the arts, the fine arts, politics, and government in all its forms. This course identifies in any given year some such problems and discusses them in depth. Students are advised that a more detailed outline of subject matter is provided on a year to year basis by the discipline. *Offered in 2002-2003.*

Cross-Listed Courses

The following course may be counted towards Philosophy: HIST 3925E.

Physics

PHYS 1005E General Physics

Prerequisite: OAC Physics and OAC Calculus

Hours: Three hours of lecture and three hours of lab or tutorial work per week.

Credits: 6.0

This course, primarily intended for students in the BSc or Liberal Science programs, provides an introductory survey of classical mechanics, waves, thermodynamics, electricity, and optics. Classical mechanics: particle kinematics and dynamics; Newton's laws; conservation of energy and momentum; rotational dynamics; gravitation; fluids. Harmonic oscillations and waves: simple harmonic motion; superposition, reflection and transmission of mechanical waves; standing waves and resonance; the Doppler effect. Thermodynamics: temperature; thermal expansion; specific heat; work in thermodynamics; thermal conduction, convection and radiation. Electricity: Coulomb's law; electric fields; Gauss's law; electric potential; capacitors and dielectrics; Ohm's law; simple DC and AC circuits. Geometrical and physical optics: reflection and refraction; lenses; interference and diffraction. *Offered every year.*

Political Science

POLI 1005E Introduction to Political Science

Prerequisite: No prerequisite.

Hours: Three hours of lecture per week.

Credits: 6.0

The nature and methods of political science are described. Canadian environment and society in relation to civil liberties, parliamentarianism, the constitution, federalism, administration, justice, political life and external relations. Comparisons are drawn with foreign countries. *Offered every year.*

POLI 2305E International Relations

Prerequisite: POLI 1005E

Hours: Three hours of lecture per week.

Credits: 6.0

This course serves as an introduction to the structure and functioning of the contemporary international political system and its component parts: the nation-state, regional and international organizations (NATO, UN) and the multinational corporation; the formulation of foreign policy with emphasis upon domestic determinants; and strategic aspects of international politics (deterrence and disarmament).

POLI 2605E Public Administration

Prerequisite: POLI 1005E

Hours: Three hours of lecture per week.

Credits: 6.0

The structure and management of public administration, with its responsibilities both as a government function and as a civil service to the citizen, is examined.

POLI 2705E Canadian Government and Politics

Prerequisite: POLI 1005E

Hours: Three hours of lecture per week.

Credits: 6.0

This course describes and critically examines the party system, elections, pressure groups, the constitution and federalism, parliament, the Prime Minister and cabinet, and the courts.

POLI 2905E Canadian Local Government

Prerequisite: POLI 1005E

Hours: Three hours of lecture per week.

Credits: 6.0

This course introduces students to Canadian local government - the level of government they are most likely to have involvement with in their lives. The course includes a thorough analysis of political organization at the regional and municipal level and a survey of the various forms of local government administration across Canada, with particular emphasis on local government in the province of Ontario.

POLI 3535E Women and Politics in Canada

Prerequisite: POLI 1005E

Hours: Three hours of lecture per week.

Credits: 6.0

This course examines the role of women in politics, focusing on how and to what extent women participate in politics; the possible barriers to women's involvement in politics and how the political system treats women's issues. Other topics include

women's status in traditional political thought, feminist theory, women and political parties, and women in political elites. This course may be credited towards Gender Equality and Social Justice.

Psychology

PSYC 1036E Applied Developmental Psychology

Prerequisite: This course is restricted to students enrolled in the Bachelor of Science in Nursing.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course provides an overview of the physical, intellectual, emotional, and social changes throughout the lifespan. Discussions will include the relevance of developmental psychology to nursing practice. *Offered every year.*

PSYC 1106E Introduction to Psychology I

Prerequisite: No prerequisite.

Students may not retain credit for both PSYC 1106E and PSYC 1105E.

Hours: Three hours of lecture per week and two hours of laboratory work every second week for one term.

Credits: 3.0

This course is a survey of the various perspectives and fields of psychology with some reference to the historical development of the discipline. The course stresses scientific, biological, and environmental explanations of human and animal behaviour, reviewing areas such as history of psychology, the scientific method, the different perspectives in psychology: psychoanalytic, behaviouristic, humanistic, cognitive, and biological. Other topics such as the brain, gross neuroanatomy, fine neuroanatomy, neurophysiology, the senses, motivation and emotion, sleep and dreaming, and consciousness will also be discussed. The laboratory portion of the course offers small-group instruction and is intended to give the students, through "hands-on" experience, a concrete understanding of the role of the scientific method in psychology. Each lab unit focuses on one fundamental area of research design or elementary statistical analysis. *Offered every year.*

PSYC 1107E Introduction to Psychology II

Prerequisite: PSYC 1106E

Students may not retain credit for both PSYC 1107E and PSYC 1105E.

Hours: Three hours of lecture per week and two hours of laboratory work every second week for one term.

Credits: 3.0

This course is a survey of the various perspectives and fields of psychology covering areas such as design and analysis of experiments, developmental psychology, educational psychology, personality, intelligence and testing, industrial psychology, social psychology, psychological disorders, and treatment of psychological disorders. The laboratory portion of the course offers small-group instruction and is intended to give the students, through "hands-on" experience, a concrete understanding of the role of the scientific method in psychology. Each lab unit focuses on one fundamental area of research design or elementary statistical analysis. *Offered every year.*

PSYC 2006E Childhood Development

Prerequisite: PSYC 1106E and PSYC 1107E

Students may not retain credit for both PSYC 2006E and PSYC 2005E.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course introduces human development from conception to adolescence. It reviews traditional theories of physical, perceptual, cognitive, social and personality development throughout childhood. *Offered every year and offered in Spring 2002.*

PSYC 2007E Adult Development

Prerequisite: PSYC 2006E

Students may not retain credit for both PSYC 2007E and PSYC 2005E.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course addresses human development from adolescence to late adulthood. Issues addressed will include physical, perceptual, cognitive, social and personality changes that occur throughout this time of life. Relevant stage theories outlining these developmental changes will be covered including the stages of death and dying. *Offered every year and offered in Spring 2002.*

PSYC 2020E Developmental Psychology for Educators

Prerequisite: No prerequisite.

Students may not retain credit for PSYC 2020E and any of PSYC 2005E, PSYC 2006E or PSYC 2007E

Hours: Three hours of lecture per week.

Credits: 6.0

The physical, intellectual, emotional, and social changes from infancy through late adolescence are emphasized. There is also an examination of developments from youth onwards, some of the physical and neurophysiological processes involved, various theories of learning and development, and relevant content usually covered in PSYC 1106E and PSYC 1107E. The relevance of research findings and theories in developmental psychology to the educational process and to situations which teachers may encounter are discussed. This course may not be credited towards a major or a minor in psychology. *Offered every year.*

PSYC 2126E Scientific Method and Analysis I

Prerequisite: PSYC 1106E and PSYC 1107E

Students may not retain credit for both PSYC 2126E and PSYC 2125E.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

Fundamental concepts underlying psychological measurement and statistical analysis are examined. Descriptive and inferential statistics, probability theory, and hypothesis testing for differences between means are introduced. Students also learn to conduct simple computerized analyses. *Offered every year and offered in Spring 2002.*

PSYC 2127E Scientific Method and Analysis II

Prerequisite: PSYC 2126E

Students may not retain credit for both PSYC 2127E and PSYC 2125E.

Hours: Three hours of lecture per week for one term.

Credits: Non-Credit

This course builds on the concepts introduced in PSYC 2126E by adding a consideration of non-parametric statistics, various correlational techniques and basic analysis of variance. Students will also be introduced to and receive practical experience with basic research methodology and design. Computerized analyses in these areas will also be covered. *Offered every year and offered in Spring 2002.*

PSYC 2255E Psychology of Art

Prerequisite: PSYC 1106E and PSYC 1107E

Hours: Three hours of lecture per week.

Credits: 6.0

This is a general survey of psychological approaches to the creative arts (music, the performing arts, the visual arts, literature, film and science). It examines what all branches of psychology have to contribute to an understanding of the creative individual, the creative act, the aesthetic experience and the nature of the art audience. It includes a review of attempts to develop an experimental psychology of the arts, an examination of the formal aspects of the arts in terms of the psychology of perception, the relationship of the sciences to the arts and the biological and evolutionary bases for some aspects of the aesthetic experience. Students who have not completed PSYC 1106E and PSYC 1107E may request permission from the instructor to take PSYC 2255E. *Offered every second year.*

PSYC 2306E Psychology of Industry and Work I

Prerequisite: PSYC 1106E and PSYC 1107E

Students may not retain credit for both PSYC 2306E and PSYC 2305E.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course discusses the field of Industrial Organizational psychology, examines its history, and how data are collected in this area. Personnel and organizational issues are the primary issues of discussion. Topics include job analysis, employee selection, training, development and performance, organizational structure, and work environment issues. Students will be encouraged to participate in discussion. *Offered every year.*

PSYC 2307E Psychology of Industry and Work II

Prerequisite: PSYC 2306E

Students may not retain credit for both PSYC 2306E and PSYC 2305E.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course applies concepts and theories of psychology to the performance of the worker. It also emphasizes worker issues such as motivation, stress, communication, group processes, health, leadership and power among others and how they can be effected by different variables in the work place. Students will be encouraged to participate in class discussion.

PSYC 2605E Behavioural Neuroscience

Prerequisite: PSYC 1106E and PSYC 1107E

Students may not retain credit for PSYC 2605E and either PSYC 2606E or PSYC 3507E.

Hours: Three hours of lecture and two hours of laboratory work per week.

Credits: 6.0

An overview of the field of behavioural neuroscience is presented. The emphasis is on an examination of the relationships between behaviour and neural phenomena. This course may be credited towards Biology in a Liberal program. *Offered every year.*

PSYC 2705E Motivation and Emotion

Prerequisite: PSYC 1106E and PSYC 1107E

Hours: Three hours of lecture per week.

Credits: 6.0

This course critically examines motivation and emotion in human beings and animals. The course includes the many theories and experiments concerning behavioural, instinctual, physiological, and cognitive aspects of motivation and emotion, and the study of normal emotional conflicts and defense mechanisms. *Offered every year.*

PSYC 2906E Sensation

Prerequisite: PSYC 1106E and PSYC 1107E
Students may not retain credit for both PSYC 2906E and PSYC 2905E.
Hours: Three hours of lecture per week for one term.
Credits: 3.0

This course involves an examination of the ways organisms (especially humans) obtain information about their external and internal environments. The physical stimuli, pertinent receptor processes, and some aspects of neural encoding will be considered. This course may be credited towards Biology in a Liberal program.

PSYC 2907E Perception

Prerequisite: PSYC 2906E
Students may not retain credit for both PSYC 2906E and PSYC 2905E.
Hours: Three hours of lecture per week for one term.
Credits: 3.0

This course expands upon the topics covered in PSYC 2906E by considering the perceptual processing that arises from the sensory input previously examined in PSYC 2906E. The development of object perception, perceptual constancies, and distortions will be considered. The psychological procedures, from classical methods to modern signal detection concepts and techniques used to study perceptual processing will also be evaluated. This course may be credited towards Biology in a Liberal program.

PSYC 3005E Personality and Adjustment

Prerequisite: PSYC 1106E and PSYC 1107E
Hours: Three hours of lecture per week.
Credits: 6.0

Various personality theories are explained and evaluated for their application to personality assessment and personality change. Empirical findings regarding basic personality processes, personality development, and adjustment. *Offered every year.*

PSYC 3105E Comparative Psychology

Prerequisite: PSYC 1106E and PSYC 1107E
Hours: Three hours of lecture per week.
Credits: 6.0

This course examines the evidence for universal principles of behaviour through a consideration of studies of animal behaviour. The relevance of laboratory and natural settings studies of animal behaviour to our knowledge of the process of learning, perception, motivation, psychological development and social psychology are examined. *Offered periodically.*

PSYC 3126E Sex and the History of Medicine and Psychiatry

Prerequisite: PSYC 1106E and PSYC 1107E or GEND 1025E or WOMN 1005E or any first year History course.
Students may not retain credit for both PSYC 3126E and GEND 3126E.
Hours: Three hours of lecture per week for one term.
Credits: 3.0

This course will study the conceptualization and representation of sexual differences in historical and scientific literature. Examining images, ideas, and practices in the history of medicine and psychiatry, we will focus on the ways in which biological and psychological differences between men and women have been understood, and how such understandings have shaped studies of the mind and body in today's disciplines. The course will examine traditional and innovative philosophical, cultural, and religious beliefs and doctrines with a view to understanding how the history of science reflects the changing roles and status of men and women in Western culture. Our study will include a review of contemporary feminist engagements with scientific method and psychiatric practice and its impact on these institutions today. *Offered periodically.*

PSYC 3205E Psychological Measurement

Prerequisite: PSYC 2127E or PSYC 2125E
Students may not retain credit for both PSYC 3205E and either PSYC 3206E or PSYC 3207E.
Hours: Two hours of lecture and one hour of practicum per week.
Credits: 6.0

The fundamentals of test construction and use are discussed from the perspectives of classical and modern test theory. Students will be introduced to the elements of test standardization, reliability, validity and item analysis. Test use in clinical, educational and industrial settings will be reviewed. Additional topics include legal and ethical issues in test use, detection of test bias, controversies in intelligence testing, generalizability theory and criterion-referenced measurement. Students undertake a detailed evaluation of a test and have an opportunity to utilize psychometric software to analyse test data. *Offered every year.*

PSYC 3257E Multivariate Statistics

Prerequisite: PSYC 3356E and PSYC 3357E
Students may not retain credit for both PSYC 3257E and SOCI 4127E.
Hours: Three hours of lecture and one hour of practicum per week for one term.
Credits: 3.0

Theoretical and practical usage of correlational multivariate techniques are examined. Topics include multiple regression, discriminate function analysis, factor analysis, principal components analysis and canonical correlation. Students should have a strong background in univariate analysis, research methodology and SPSS.

PSYC 3266E Computer Methods in Psychology

Prerequisite: PSYC 1106E and PSYC 1107E
Hours: Four hours of lecture/practicum work per week for one term.
Credits: 3.0

The course examines the creative use of computers in Psychology at every stage of the research process. Topics include various operating systems on micros and mainframes;

computerized literature searches; understanding databases; telecommunications; programming an experiment; data collection and preliminary analysis; fundamentals of computerized statistical analysis; report preparation; and the implications of developments in Artificial Intelligence. *Offered in 2002-2003.*

PSYC 3306E Learning

Prerequisite: PSYC 1106E and PSYC 1107E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

Types of mechanisms of learning, the variables and conditions which contribute to learning processes are examined. Review of experimental findings and theoretical issues related to learning. Students present a seminar on a chosen topic. *Offered periodically.*

PSYC 3307E Laboratory in Learning and Memory

Prerequisite: PSYC 2126E and PSYC 2127E (formerly PSYC 2125E) and PSYC 3306E

Hours: Two hours of lecture and three hours of laboratory work per week for one term.

Credits: 3.0

The current research literature on human and animal learning is examined with a particular emphasis on the neurological bases of learning and memory. Direct experimental tests of current hypotheses are carried out during the laboratory component of the course. *Offered periodically.*

PSYC 3356E Design and Analysis I

Prerequisite: PSYC 2127E or PSYC 2125E

Students may not retain credit for both PSYC 3356E and PSYC 3256E.

Hours: Two hours of lecture and two hours of practicum per week for one term.

Credits: 3.0

This course emphasizes experimental design and data analysis using SPSS for Windows. Topics include data screening; descriptive statistics; one-way analysis of variance and covariance; 2-way and 3-way ANOVA; randomized block and randomized block factorial designs. *Offered every year.*

PSYC 3357E Design and Analysis II

Prerequisite: PSYC 3356E

Hours: Two hours of lecture and two hours of practicum per week for one term.

Credits: 3.0

This course emphasizes advanced experimental design and data analysis using SPSS for Windows. Topics include the general linear model; multiple regression with and without dummy coding; univariate and multivariate analysis of variance and covariance including factorial designs, repeated measures designs and mixed effects designs. *Offered in 2002-2003.*

PSYC 3405E Psychology of Education

Prerequisite: PSYC 1106E and PSYC 1107E

It is strongly recommended that students have PSYC 2126E and PSYC 2127E (formerly PSYC 2125E) prior to undertaking PSYC 3405E.

Hours: Three hours of lecture per week.

Credits: 6.0

The course introduces current theory and research in educational psychology. Topics typically discussed include cognitive

processes, memory, concept learning, language development, problem solving, social learning, moral development, classroom management, setting of educational goals and objectives, teacher-made and standardized tests, reading and writing, and exceptional children. *Offered in 2002-2003.*

PSYC 3506E Neuropharmacology

Prerequisite: PSYC 2605E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

Drugs and their effects on neural function are described and evaluated in detail. Although all major pharmacological classes of drugs are reviewed, the main emphasis is on current issues in the biochemical bases of neuropharmacology. The use of pharmacological tools in neuroscience research, including clinical issues and dependence is discussed. The course will also touch on social and historical issues relating to pharmacology. The student should have a basic understanding of chemistry and neuroanatomy. This course may be credited towards Biology in a Liberal program. *Offered every second year. Offered in 2002-2003.*

PSYC 3606E Psychopathology I

Prerequisite: PSYC 1107E

Students may not retain credit for both PSYC 3606E and PSYC 3605E.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course provides an overview of the psychoanalytic, behavioral, humanistic, cognitive, biological and eclectic approaches to understanding, describing and classifying mental disorders. The social and legal issues in psychopathology will also be discussed. *Offered in 2002-2003.*

PSYC 3607E Psychopathology II

Prerequisite: PSYC 3606E

Students may not retain credit for both PSYC 3607E and PSYC 3605E.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course surveys the assessment, diagnosis, research and treatment of psychological disorders. It focuses on topics pertaining to developmental disorders such as childhood disorders, aging and psychological disorders, and learning disabilities. Treatment approaches such as insight therapies, cognitive and behaviour therapies, biological therapies and other approaches such as group, couple, family and community approaches will also be discussed. Professional and legal issues in the practice of psychology will also be introduced. *Offered in 2002-2003.*

PSYC 3615E Psychological Disorders in Children

Prerequisite: PSYC 2006E and PSYC 2007E (formerly PSYC 2005E)

Hours: Three hours of lecture per week.

Credits: 6.0

This course critically examines the description, classification, determinants and treatment of the development disorders of childhood and a detailed inquiry into the disorders of mental retardation, hyperactivity, specific learning disabilities and childhood psychosis in the light of current research knowledge. Special emphasis is given to the evaluation of treatment methods applicable in the child's social-educational milieu. *Offered in 2002-2003.*

PSYC 3635E Psychology of Crime and Corrections

Prerequisite: PSYC 1106E and PSYC 1107E and another course in Psychology.

It is strongly recommended that students have PSYC 2126E and PSYC 2127E (formerly PSYC 2125E) prior to undertaking PSYC 3635E.

Hours: Three hours of lecture per week.

Credits: 6.0

The psychological aspects of crime, the criminal, and the criminal justice system are evaluated from several theoretical perspectives. Particular emphasis is placed upon the growing importance of psychologists and social science research in the trial process and upon correctional agencies and the evaluation of their rehabilitative interventions. Topics include victim studies, eyewitness evidence, and the prediction of dangerousness. *Offered periodically.*

PSYC 3705E Cognitive Psychology

Prerequisite: PSYC 2126E and PSYC 2127E (formerly PSYC 2125E)

Hours: One and one-half hours of lecture and one and one-half hours of laboratory work per week.

Credits: 6.0

This course reviews of the principal concepts and research concerning human mental processes. Topics usually discussed include attention, pattern recognition, memory, problem solving, language acquisition, decision making and bilingualism. *Offered every year.*

PSYC 3806E Introduction to Social Psychology

Prerequisite: PSYC 1106E and PSYC 1107E

Students may not retain credit for both PSYC 3806E and PSYC 3805E.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course critically examines the theories dealing with beliefs, attitudes, conformity, prejudice, aggression, group behaviour and attraction among others. Students are encouraged to participate in class discussion and present a seminar on a chosen topic. *Offered every year.*

PSYC 3807E Applied Social Psychology

Prerequisite: PSYC 3806E

Students may not retain credit for both PSYC 3807E and PSYC 3805E.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course focuses on the applied aspects of social psychology. Topics include eyewitness testimony, courtroom behaviour, health issues, and how the environment effects human behaviour among others. Students are encouraged to participate in class discussion and present a seminar on a chosen topic in the area of applied social psychology.

PSYC 3906E Special Topics in Psychology I

Prerequisite: PSYC 1106E and PSYC 1107E

Hours: Four hours of lecture/practicum work per week for one term.

Credits: 3.0

This course provides advanced coverage of particular topics in psychology. Specific content will vary from year to year. *Offered periodically.*

PSYC 3907E Special Topics in Psychology II

Prerequisite: PSYC 1106E and PSYC 1107E

Hours: Four hours of lecture/practicum work per week for one term.

Credits: 3.0

This course provides advanced coverage of particular topics in psychology. Specific content will vary from year to year. *Offered periodically.*

PSYC 3916E Advanced Readings in Psychology

Prerequisite: Restricted to third or fourth year students in the Honours Psychology program and approval of the discipline is required prior to registration. Students wishing to take this course during the following Spring/Summer or Fall/Winter Session must apply in writing to the discipline no later than February 15.

Credits: 3.0

This course is intended for the advanced student interested in a particular topic of psychology. Students are required to do a thorough literature review on a topic of interest resulting in a paper at the end of the course. *Offered every year.*

PSYC 3917E Special Projects Course

Prerequisite: PSYC 2126E and PSYC 2127E (formerly PSYC 2125E) and restricted to third or fourth year students in the Honours Psychology program. Approval of the discipline is required prior to registration. Students wishing to take this course during the following Spring/Summer or Fall/Winter Session must apply in writing to the discipline no later than February 15.

Credits: 3.0

Students will normally enrol in PSYC 3916E prior to enrolling in PSYC 3917E. This course is intended for the advanced student interested in a particular topic of psychology. Students are required to carry out an independent research project resulting in a paper at the end of the course. *Offered every year.*

PSYC 3926E Special Topics in Psychology III

Prerequisite: PSYC 1106E and PSYC 1107E

Students may not retain credit for both PSYC 3926E and PSYC 3266E if PSYC 3926E was taken prior to Spring term 1994.

Hours: Four hours of lecture/practicum work per week for one term.

Credits: 3.0

This course provides advanced coverage of particular topics in psychology. Specific content will vary from year to year. *Offered periodically. Topic: Spring - Neuro Staining; Fall - Health Psychology. Offered in 2002-2003 and offered in Spring 2002.*

PSYC 3927E Special Topics in Psychology IV

Prerequisite: PSYC 1106E and PSYC 1107E

Hours: Four hours of lecture/practicum work per week for one term.

Credits: 3.0

This course provides advanced coverage of particular topics in Psychology with accompanying practical work. Specific content will vary from year to year, depending on which faculty member teaches the course. *Offered periodically.*

PSYC 4005E Systems and Theories in Psychology

Prerequisite: Restricted to students in the fourth year of the Honours Psychology program.

Hours: Three hours of lecture per week.

Credits: 6.0

This course surveys the development of modern psychology and reviews and critically examines the major systems and theories in psychology. *Offered every year.*

PSYC 4105E Student's Investigation I

Prerequisite: PSYC 3356E and PSYC 3357E and restricted to students in the fourth year of the Honours Psychology program. Approval of the discipline is required prior to registration. *Students wishing to take this course during the following Spring/Summer or Fall/Winter Session must apply in writing to the discipline no later than February 15.*

Students may not retain credit for both PSYC 4105E and PSYC 4115E.

Credits: 6.0

This course consists of an empirical investigation of a research problem in psychology. Students are encouraged to isolate a research problem and to approach a potential faculty advisor during their third year. In consultation with the faculty advisor, each student prepares a prospectus which, when approved by the advisor, is then presented to a discipline prospectus meeting for evaluation. If the prospectus is approved by the discipline the student may proceed with the research. The faculty advisor provides advice, when requested, evaluates the student's performance in carrying out the research and evaluates the final report which is to be written in a style suitable for journal submission. *Offered every year.*

PSYC 4115E Student's Investigation II

Prerequisite: PSYC 3205E and PSYC 3356E and restricted to students in the fourth year of the Honours Psychology program. Approval of the discipline is required prior to registration. *Students wishing to take this course during the following Spring/Summer or Fall/Winter Session must apply in writing to the discipline no later than February 15.*

Students may not retain credit for both PSYC 4115E and PSYC 4105E.

Credits: 6.0

This course consists of a non-empirical investigation of an issue or problem in psychology. Students are encouraged to isolate an issue or problem. In consultation with the faculty advisor, each student prepares a prospectus which, when approved by the advisor, is then presented to a discipline prospectus meeting for evaluation. If the prospectus is approved by the discipline the student may proceed with the investigation. The faculty advisor provides advice and evaluates the student's performance in carrying out the investigation and evaluates the final report which is to be written in a style suitable for journal submission. *Offered every year.*

PSYC 4205E Fundamentals of Clinical and Counselling Psychology

Prerequisite: PSYC 3005E, PSYC 3606E and PSYC 3607E

Completion of at least 42 credits in psychology in the Honours program including the above.

Credits: 6.0

Students are introduced to psychology in applied settings with an emphasis on the mental health field. Clinical assessment procedures, including psychometric devices are examined, as are

the major theoretical positions in counselling and psychotherapy. Students are also introduced to the scope of the work of the clinical psychologist in sessions with the practitioners in the field. *Offered every year.*

PSYC 4266E Advanced Computer Methods in Psychology (formerly PSYC 3267E)

Prerequisite: PSYC 3266E

Students may not retain credit for both PSYC 4266E and PSYC 3267E.

Hours: Four hours of lecture/practicum work per week for one term.

Credits: 3.0

This course builds on the basic computer skills learned in PSYC 3266E. Special emphasis is placed on the development of programming skills relevant to psychological research. Students learn how to design their own programmed experiments, computerized tests, computerized test evaluation tools, and computer simulation studies. Internet research techniques are also examined.

PSYC 4706E Advanced Neuroanatomy

Prerequisite: PSYC 2605E

Hours: Three hours of lecture and two hours of laboratory work per week for one term.

Credits: 3.0

This course is an intensive study of neuroanatomy both through seminar/lecture presentation and laboratory work. The student can expect to gain sophistication in selected histological techniques and the analysis of histological material through computerized imaging techniques. Other techniques used in neuroanatomical research may also be introduced. *Offered every second year. Offered in Summer 2002.*

Cross-Listed Courses

The following course may be counted towards Psychology: SOSC 2106E.

Religious Studies

RLST 1020E Major Religious Traditions: East and West

Prerequisite: No prerequisite.

Hours: Three hours of lecture per week.

Credits: 6.0

This course is designed as an historical and cultural survey of the basic teachings and doctrines of the major religious traditions of the world, which include: Judaism, Christianity, Islam, Hinduism, Buddhism, Confucianism, Taoism and Native American Spirituality. *Offered in 2002-2003.*

RLST 2020E Themes in Religion

Prerequisite: RLST 1020E

Hours: Three hours of lecture per week.

Credits: 6.0

This course explores, from a comparative perspective, various religious responses to the fundamental concerns of human existence. Examples of themes examined include: birth, death, suffering, evil, the absolute, salvation, compassion, faith, sexuality, tradition, myth and symbol, etc.

RLST 3116E Women and Religion

Prerequisite: RLST 1020E or any course in, or cross-listed with, Gender Equality and Social Justice.

Students may not retain credit for both RLST 3116E and either GEND 3116E or WOMN 3116E.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

Christianity remains the most influential and dominant religion of Western culture. Its influence extends far beyond the obvious bounds of the Church. In this course we will focus particularly on the relations of Christianity to sex roles and sexual politics in Western Culture. We will examine the practices and beliefs of Christian religions with respect to sexuality, and the impact they have had on the changing status of women. Students will be introduced to contemporary studies of women and the Church. We will look at recent debates within Feminist Theology and their role in reconceptualizing the place of women in the study of religion and spirituality. *Offered periodically.*

Cross-Listed Courses

The following courses may be counted towards Religious Studies in a Liberal program: CLAS 2005E, CLAS 3305E, NATI 3005E, GEND 3116E and GEND 3117E.

Russian

RUSS 1005E Introductory Russian

Prerequisite: No prerequisite.

Hours: Three hours of lecture per week.

Credits: 6.0

The basic elements of Russian grammar are studied: development of the four language skills; reading, listening-comprehension, writing and speaking.

RUSS 2005N Intermediate Russian

Prerequisite: No prerequisite.

Hours: Three hours of lecture per week.

Credits: 6.0

This course reviews the principles of grammar: intensive practice in conversation, composition and translation. Students will also study literary and cultural materials. Laboratory work concentrates on practice in pronunciation, grammar and listening-comprehension. There is also an emphasis on current Russian issues.

RUSS 3005N Advanced Russian

Prerequisite: RUSS 2005N

Hours: Three hours of lecture per week.

Credits: 6.0

Intensive practice in reading, listening comprehension, writing and speaking. Extensive reading in literary and cultural texts. Written and oral class assignments of various degrees of linguistic difficulty will help the student acquire a fluent and idiomatic command of Russian.

Social Science

SOSC 2106E Ethics for Social Science

Prerequisite: PSYC 1106E and PSYC 1107E, or SOCI 1015E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

Issues of special interest in social science will be examined, using a decision-making approach and emphasizing critical thinking skills. Topics may include research ethics, professional ethics, criminal justice ethics, euthanasia, abortion, cloning, capital punishment, welfare/workfare, intercultural issues, affirmative action/reverse discrimination, and censorship. This course may be credited towards Psychology or Sociology. *Offered periodically.*

Social Welfare

SWLF 1005E Introduction to Social Welfare

Prerequisite: No prerequisite.

Hours: Three hours of lecture per week.

Credits: 6.0

This course is a survey of the history and development of social welfare concepts, of the methods of social work practice, and of their relation to social science concepts and to philosophical, human and religious values. Includes a volunteer placement whereby the student experiences how a social agency works. *Offered every year.*

SWLF 2105E Social Welfare as a Social Institution

Prerequisite: SWLF 1005E

Hours: Three hours of lecture per week.

Credits: 6.0

This course is an analysis of the community services developed to meet human and social needs. *Offered every year.*

SWLF 3005E Human Service Program Management and Planning

Prerequisite: SWLF 1005E

Hours: Three hours of lecture per week.

Credits: 6.0

This course focuses on concepts and techniques of program management and program planning. It examines the planning process, planning/decision making theory, citizen participation, goal setting, proposal development, program budgeting, human resources management and information management.

SWLF 3105E Social Policy

Prerequisite: SWLF 1005E and SWLF 2105E

Hours: Three hours of lecture per week.

Credits: 6.0

This course provides an in-depth examination of approaches to policy making, and critical analysis of selected welfare policies in Canada. *Offered every year.*

SWLF 3116E Social Welfare and Public Health I

Prerequisite: SWLF 1005E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course examines the areas of concern common to and relations between the health and welfare sectors including the effect of social policy, legislation, administrative structures and availability of services on a community's health and welfare.

SWLF 3117E Social Welfare and Public Health II

Prerequisite: SWLF 3116E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course focuses on the relationship between health and illness policies and social welfare. Legal and ethical issues pertaining to one's body in life and death are explored. The problem of personal or group control over one's own health care and the illness care system is examined. Issues of particular concern to specific groups of consumers, providers and policy makers are also analysed as they relate to public health.

SWLF 3126E Social Welfare and the Church

Prerequisite: SWLF 1005E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course examines the areas of concern common to and relations between social welfare and religious institutions, including the church's role in social welfare.

SWLF 3136E Social Welfare and Education

Prerequisite: SWLF 1005E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course examines the areas of concern common to and relations between social welfare and educational institutions including the role of the educational system in furthering the social welfare of Canadians of all ages.

SWLF 3146E Social Welfare and Work

Prerequisite: SWLF 1005E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

The focus of this course is an examination of work as it relates to social welfare, including the role of work in the well-being of individuals and society. It also includes an exploration of work as the primary system through which rights, statuses, and entitlements are distributed in contemporary industrial societies, along with a critical analysis of the manner in which we currently define and structure work and employment.

SWLF 3255E Rural Social Welfare

Prerequisite: SWLF 1005E

Hours: Three hours of lecture per week.

Credits: 6.0

This course is a study of the need for, and the development of, social welfare programs in rural areas. Structural and social characteristics of rural areas, and the process of rural-urban transition considered with special attention to the social problems that rural areas experience. Also included are theoretical and actual approaches to rural social welfare development, such as political legislation, social planning, and community development.

SWLF 3296E Post Industrial Society and Social Welfare

Prerequisite: SWLF 1005E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course provides an in-depth examination of the effects of technology on employment, leisure time, the environment and the quality of life, and the social work response to these. *Offered in 2002-2003.*

SWLF 3306E International Perspectives on Social Welfare

Prerequisite: SWLF 1005E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course examines and compares social welfare policies and programs in selected countries

SWLF 3307E Social Welfare in Developing Countries

Prerequisite: SWLF 1005E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course identifies various social welfare strategies on the international scene. Specifically, it compares Third World and First World countries in terms of the political, economic, social and cultural contexts in which social welfare occurs, and in terms of their provisions for social welfare. Various international agencies and their role in providing social welfare in the Third World are identified and discussed. Multiculturalism in the context of academic neocolonialism is also examined. *Offered in 2002-2003.*

SWLF 3405E Concepts of Wellness in First Nations' Communities

Prerequisite: SWLF 1005E

Hours: Three hours of lecture per week.

Credits: 6.0

This course explores the issues which affect the relationship between First Nations Peoples and the social welfare system in Canada, ranging from the effects of the colonization process to the current movement toward self-determination. The traditional Native family and community is viewed as an intricately balanced ecosystem which was placed in jeopardy after European settlement occurred. Past and present government policies and programs are examined. Traditional helping and healing practices are studied and new First Nations' controlled services in the area of education, health and child welfare are examined. Special attention is given to the power of the medicine wheel as a vehicle for achieving spiritual, physical, social and environmental well being. This course may be credited towards Native Studies. *Offered in 2002-2003 and offered in Spring 2002.*

SWLF 3445E Women and Social Welfare

Prerequisite: SWLF 1005E

Hours: Three hours of lecture per week.

Credits: 6.0

This course examines policies and issues particularly of importance for women, including women's caring role in the family, the feminization of poverty, race, addiction, work and sexuality. Women's roles in the public and private spheres are explored to determine how these roles are interwoven and yet contradictory. This course may be credited towards Gender Equality and Social Justice. *Offered in 2002-2003.*

SWLF 3705E Law and Social Welfare

Prerequisite: SWLF 1005E

Hours: Three hours of lecture per week.

Credits: 6.0

The relationship between judicial systems and social welfare is examined. The role of the social worker in the administration of justice. Basic legal concepts useful to social workers.

SWLF 3805E Abuse and Violence Within the Family

Prerequisite: SWLF 1005E

Hours: Three hours of lecture per week.

Credits: 6.0

This course is designed to study the problem of violence within the family: child abuse, physical, emotional and sexual as well as neglect, and interspousal abuse. It looks at the development of services and legislation related to this problem area within the social services, health, educational and judicial disciplines. As well, it explores the differential role of concerned professionals in the detection, treatment and prevention of the problem of abuse. This course may be credited towards Gender Equality and Social Justice.

SWLF 3825E Addictions

Prerequisite: SWLF 1005E

Hours: Three hours of lecture per week.

Credits: 6.0

This course is an introduction to the field of addiction. This course includes a discussion of the history, theories and social aspects of addiction. Special emphasis is placed on the evolution of social policies, program and institutions which deal with the prevention and treatment of addiction. Attention is also given to such topics as the law and addiction, Alcoholics Anonymous, women and addiction, and aboriginal culture and addiction. *Offered in 2002-2003.*

SWLF 3915E Special Topics in Social Welfare

Prerequisite: SWLF 1005E

Hours: Three hours of lecture per week.

Credits: 6.0

This course provides students with the opportunity to examine, in depth, various selected issues in Social Welfare. Actual topics vary from year to year, depending on faculty and student interests.

Cross-Listed Courses

The following courses may be counted towards Social Welfare, up to a maximum of six credits: SOCI 2086E, SOCI 2087E and SOCI 2506E.

Sociology

SOCI 1015E Understanding Sociology

Prerequisite: No prerequisite.

Hours: Three hours of lecture per week.

Credits: 6.0

The overall aim of this course is to develop within the student an understanding of society. Beginning with the smallest elements of social structure, the course attempts to show the way in which actors in society perceive social structures in their own social situations. The course also attempts to discuss those social phenomena that have the greatest contemporary relevance to Canadian society. *Offered every year.*

SOCI 2006E The Child and Society

Prerequisite: SOCI 1015E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This is a course in the sociology of childhood with a focus on the social factors which affect the behaviour and development of children.

SOCI 2007E The Adolescent and Society

Prerequisite: SOCI 1015E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This is a course in the sociology of adolescence with a focus on the social factors which affect the behaviour and development of adolescents. *Offered in 2002-2003.*

SOCI 2015E Classical Sociological Theory

Prerequisite: SOCI 1015E

Students may not retain credit for both SOCI 2015E and SOCI 3015E.

Hours: Three hours of lecture per week.

Credits: 6.0

This is a comparative study of different sociological theories covering the dominant perspectives within micro and macro sociology. *Offered every year.*

SOCI 2025E Industrial Sociology

Prerequisite: SOCI 1015E

Hours: Three hours of lecture per week.

Credits: 6.0

Industry and society are studied: work, occupations, and professions; management and the worker; automation and social change; bureaucracies; and industrial conflict. *Offered in 2002-2003.*

SOCI 2035E Sociology of the Family

Prerequisite: SOCI 1015E

Hours: Three hours of lecture per week.

Credits: 6.0

The structure and function of family systems, including comparative material from various cultures are analysed. Sociological problems of the modern family are explored, such as socialization, mobility, illegitimacy, old age, divorce, marital adjustment and changing social roles. *Offered in 2002-2003.*

SOCI 2036E Introduction to Social Gerontology

Prerequisite: SOCI 1015E or enrolment in the Bachelor of Science in Nursing
Hours: Three hours of lecture per week for one term.
Credits: 3.0

One of the most important trends affecting Canada and every other developed society is population aging. This course will introduce students to the multidisciplinary study of aging. Specific topics that will be examined in the course include the demographic, physiological, psychological, and sociological aspects of aging. As well, the course will explore the economic, social and political implications of an aging population for Canada. *Offered every year and offered in Spring 2002.*

SOCI 2046E Minority Groups in Canada

Prerequisite: SOCI 1015E
Hours: Three hours of lecture per week for one term.
Credits: 3.0

The course investigates the relationships between various cultures (ethnic, religious, linguistic, etc.) in Canada where conflict or collaboration exists between majorities and minorities.

SOCI 2047E Minority Groups Throughout the World

Prerequisite: SOCI 1015E
Hours: Three hours of lecture per week for one term.
Credits: 3.0

The course investigates the relationships between various cultures (ethnic, religious, linguistic, etc.) in different societies of the world where conflict or collaboration exists between majorities and minorities.

SOCI 2086E Crime and Punishment I: Explanations of Crime

Prerequisite: SOCI 1015E
Hours: Three hours of lecture per week for one term.
Credits: 3.0

This is a course in the study of the causes of crime with a main emphasis on crime in Canada. The Criminal Code is studied and crime is defined. Types of crime are described and their quantity estimated. Then, after considering causal explanations generally, the several theories of crime are analysed and evaluated. This course may be credited towards Social Welfare. *Offered in 2002-2003.*

SOCI 2087E Crime and Punishment II: Police, Courts, Prisons, and Rehabilitation

Prerequisite: SOCI 1015E
Hours: Three hours of lecture per week for one term.
Credits: 3.0

The institutions and policies of the Criminal Justice System of Canada, that is, the police, courts, prisons, and various rehabilitation programs, are the subject matter of the course. Evaluation of programs to reduce crime and rehabilitate offenders receive special attention. This course may be credited towards Social Welfare. *Offered in 2002-2003.*

SOCI 2095E Sociology of Education

Prerequisite: No prerequisite.
Hours: Three hours of lecture per week.
Credits: 6.0

Formal and informal social structures in education and the social factors determining success in upward mobility through the edu-

cational system are examined. What functions is the educational system supposed to perform, how well does it perform them, and for whom does it perform them? Should the educational system be changed and if so, how? *Offered every year and offered in Spring 2002.*

SOCI 2235E Sociology of Human Sexual Behaviour

Prerequisite: SOCI 1015E
Hours: Three hours of lecture per week.
Credits: 6.0

The primary objective of this course is to develop an understanding of human sexual behaviour in contemporary society. The course includes a look at past cultural traditions which influence present norms and values, the importance of sex roles in shaping sexual behaviour and the concerns of sex education both in the home and at school. *Offered in 2002-2003 and offered in Summer 2002.*

SOCI 2506E Social Problems

Prerequisite: SOCI 1015E
Hours: Three hours of lecture per week for one term.
Credits: 3.0

The course is concerned with a theoretical and empirical examination of major contemporary social problems and their international and national interconnections. Such problems as poverty, effects of industrialization, living and working conditions, population growth, alienation and urbanization, are discussed. Various views/programs generated to deal with such problems are also be analysed and evaluated. This course may be credited towards Social Welfare. *Offered in 2002-2003 and offered in Spring 2002.*

SOCI 3027E Interpersonal Communication

Prerequisite: SOCI 1015E
Hours: Three hours of lecture per week for one term.
Credits: 3.0

The purpose of this course is to investigate interpersonal communication and the role of language in the socialization and interaction processes. Attention is given to the dimensions of meaning such as connotation, denotation and structure, the intent of communication, the role of interpersonal communication in conflict resolution, groups and the problems of cross-cultural communication. Various communication models are investigated as well as problems of measurement.

SOCI 3045E Urban Sociology

Prerequisite: SOCI 1015E
Hours: Three hours of lecture per week.
Credits: 6.0

The city and its role and functions in pre-industrial and industrial society are analysed. Process of industrialization, urbanization and suburbanization; the dynamic relationship between rural and urban areas; patterns of social organization in urban society; planned and unplanned change in the urban environment.

SOCI 3065E Social Stratification

Prerequisite: SOCI 1015E
Hours: Three hours of lecture per week.
Credits: 6.0

This course traces the elementary forms of stratification in non-industrial societies to the development of social classes, attitudes, and behaviour patterns in Western societies. Social mobility is discussed.

SOCI 3075E Mass Culture and Mass Media

Prerequisite: SOCI 1015E

Hours: Three hours of lecture per week.

Credits: 6.0

The role of mass media such as radio, press, magazines, television and movies on modern society is studied. Mass media as a means of social control and socialization. The effects of mass media on political, social and economic behaviour. *Offered in 2002-2003.*

SOCI 3085E Sociology of Law

Prerequisite: SOCI 1015E

Hours: Three hours of lecture per week.

Credits: 6.0

This course presents a comparative and historical treatment of the socio-economic bases of legal structures. The social, political and economic implications of legal systems; law as a mechanism of social control; social and economic factors leading to differential vulnerability to legal sanctions; the political economy of "crime". *Offered in 2002-2003.*

SOCI 3095E Canadian Society

Prerequisite: SOCI 1015E

Hours: Three hours of lecture per week.

Credits: 6.0

This course examines Canadian society with an emphasis on the processes of industrialization, the patterns of regional development and its ties with American and world capitalism. It profiles major institutions. Special attention is given to English Canada-Quebec relations and to northern Ontario.

SOCI 3125E Research Methods and Data Analysis

Prerequisite: SOCI 1015E

Students may retain credit for only one of: SOCI 2055E, SOCI 2125E, SOCI 2126E, SOCI 3125E or any other statistics course.

Hours: One and one-half hours of lecture and one and one-half hours of lab work per week.

Credits: 6.0

This course is an overview of research methods and data analysis in Sociology. A variety of research designs are integrated with the statistical analysis of data. Students complete a project through the computerized analysis of data using statistical software. The course is taught through lecture and computer lab and is normally taken during the third year of the program. *Offered every year and offered in Spring 2002.*

SOCI 3166E Social Epidemiology

Prerequisite: SOCI 1015E

Hours: Two hours of lecture and one hour of laboratory work per week for one term.

Credits: 3.0

This course will examine the history and development of social (as opposed to clinical) epidemiology through its four major components: description, analysis, intervention and evaluation. The modern transition to population-based research and planning will be presented, with emphasis on the applications of social epidemiology to health planning, the development of public health policy and health promotion. *Offered in 2002-2003.*

SOCI 3186E Health and the Family

Prerequisite: SOCI 1015E or enrolment in the Bachelor of Science in Nursing.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course will introduce students to the important role of the family in health care. It will begin with an overview of major sociological approaches to the family and how these can improve our understanding of changes and trends in the family structure. Building on this foundation, the course will go on to explore the family as one of the institutional contexts for health in modern society. Specific topics include: the role of the family in providing supportive health care; the family as a source of social support; and how family issues, such as domestic violence, child abuse, and relationship dissolution relate to health care. Finally, the course will explore the implications of an aging family system for the health care system in Canada. *Offered in 2002-2003.*

SOCI 3195E Sociology of Medicine

Prerequisite: SOCI 1015E

Hours: Three hours of lecture per week.

Credits: 6.0

Social and cultural aspects of disease and illness are studied: practitioner-client relationships and recruitment to the medical and paramedical professions; the hospital and other medical organizations; and the effects of political and economic structure on medical care. *Offered in 2002-2003.*

SOCI 3205E Social Demography

Prerequisite: SOCI 1015E

Hours: Three hours of lecture per week.

Credits: 6.0

This course provides a comprehensive introduction to the theory and methods of social demography. The focus of the course is on understanding and measuring key social demographic variables and how these affect population growth, composition, and structure. The course also examines several sociological issues related to population such as urbanization, family change, population aging, development, and the environment.

SOCI 3225E Sociology of Development

Prerequisite: SOCI 1015E

Hours: Three hours of lecture per week.

Credits: 6.0

The theories of socio-economic development are examined, with emphasis on relations between socio-economic development and the demographic, cultural and social condition which promote or retard this development. Social conflict as a catalyst or obstacle to development. Ideologies of development and myths.

SOCI 3246E Gender and International Development

Prerequisite: SOCI 1015E or any course in, or cross-listed with, Gender Equality and Social Justice.

Students may not retain credit for both SOCI 3246E and SOCI 3245E.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course introduces students to the literature, theoretical questions and debates on gender and the development process. It focuses on gender relations in countries conceptualized as

developing nations of the Third World, but also studies selected cases of regional underdevelopment in developed countries. Class discussions will highlight the impact of development programs and policies, as well as women's struggles to shape their histories. This course may be credited towards Gender Equality and Social Justice. *Offered in 2002-2003.*

SOCI 3307E Social Problems: Legal Issues

Prerequisite: SOCI 1015E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course is designed to investigate legal social problems such as legal aid, language laws, prostitution, pornography, environment, freedom, civil liberties, and medical technology.

SOCI 4005E Independent Studies

Prerequisite: Restricted to students in the fourth year of the Honours Sociology program and approval of the discipline is required prior to registration. *Students wishing to take this course during the following Spring/Summer or Fall/Winter Session must apply in writing to the discipline no later than February 15.*

Credits: 6.0

This course provides an opportunity for qualified students to do special studies in the field of sociology beyond or outside of the regular discipline offerings. Written work and periodic discussions are required.

SOCI 4015E Advanced Sociological Theories

Prerequisite: SOCI 2015E

Hours: Three hours of lecture per week.

Credits: 6.0

This course provides a systematic and critical analysis of selected theories in contemporary sociology. *Offered every year.*

SOCI 4025E Advanced Research Methods

Prerequisite: SOCI 3125E

Hours: Three hours of lecture per week.

Credits: 6.0

The purpose of the course is to extend the student's understanding of advanced research designs, descriptive and inferential statistics and the analysis of sociological data by means of computers. *Offered in 2002-2003.*

SOCI 4095E Research Essay

Prerequisite: Restricted to students in the fourth year of the Honours Sociology program and approval of the discipline is required prior to registration. *Students wishing to take this course during the following Spring/Summer or Fall/Winter Session must apply in writing to the discipline no later than February 15.*

Credits: 6.0

To fulfil the requirement of this course, the student must submit an essay based on research. Various forms of research, e.g. survey, interview, secondary analysis of existing data or studies may be proposed. The work is to be carried out under the supervision of a member of the discipline and involves a public presentation of the main findings. *Offered every year.*

SOCI 4126E Survey Research

Prerequisite: SOCI 3125E and restricted to students in the fourth year of the Honours Sociology program.

Students may not retain credit for both SOCI 4126E and SOCI 3005E.

Hours: One and one half hours of lecture and one and one half hours of laboratory work per week for one term.

Credits: 3.0

This course will familiarize students with all aspects of survey research in sociology. Students will learn how to plan sample surveys and to design questionnaires for different media (e.g. mail, internet, self-completion, and face-to-face). Specific issues for the course will include sampling theory and practice, and reliability and validity as they apply to survey research. Statistical techniques for analysing survey data and for assessing reliability and validity will be examined using SPSS. *Offered every second year. Next offered in 2003-2004.*

SOCI 4127E Multivariate Statistics

Prerequisite: SOCI 3125E and restricted to students in the fourth year of the Honours Sociology program. Students may not retain credit for both SOCI 4127E and SOCI 3005E or SOCI 4127E and PSYC 3257E.

Hours: One and one half hours of lecture and one and one half hours of laboratory work per week for one term.

Credits: 3.0

In this course students will examine several multivariate statistical techniques that are commonly used to analyse survey data and large data sets. Specific topics will include multiple regression, logistic regression, factor analysis, ANOVA, and event-history analysis. *Offered every second year. Next offered in 2003-2004.*

SOCI 4295E Selected Topics in Sociology

Prerequisite: Restricted to students in the fourth year of the Honours Sociology program.

Hours: Three hours of lecture/seminar per week.

Credits: 6.0

This seminar course provides advanced coverage of particular topics in sociology. The content varies according to the specialization of the faculty teaching the course. *Offered in 2002-2003.*

SOCI 4346E Field Placement

Prerequisite: SOCI 2086E and SOCI 2087E

Restricted to students in the fourth year of the Bachelor of Arts in Criminal Justice.

Hours: A total of 96 hours of placement.

Credits: 3.0

This course is designed to provide students with on-the-job experience in the field of criminal justice - corrections, policing, the courts and community organizations. Students will meet with the course supervisor to review the student's work and career objectives, and arrangements will be made to contact suitable job placement employers. Students will be required to prepare a resume and undergo an interview by the employer offering the job placement. The course supervisor will regularly monitor each student's progress through meetings with the student and the job placement employer. Evaluation of the grade in the course will be based on completion of a minimum of 96 hours of work placement; submission by the student of a detailed report on the job placement; and assessments by the job placement employer and the course supervisor. *Offered every year.*

SOCI 4466E Program and Policy Evaluation

Prerequisite: SOCI 2086E, SOCI 2087E and SOCI 3125E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course is designed to introduce students to applied program and policy evaluation. The social context within which evaluation takes place will be examined, and the practical and ethical problems associated with carrying out evaluation research will be discussed. The major methodological perspectives on evaluation research will be outlined, and the different types of evaluation research designs will be examined. The evaluation project-management process will be discussed, including planning, implementation, monitoring, preparing reports and utilization of research findings. The growing emphasis on program accountability in the private and public sectors, and the role of evaluation research in this process, will be examined. *Offered in 2002-2003.*

SOCI 4467E Contemporary Research and Theory in Criminology

Prerequisite: SOCI 2086E and SOCI 2087E

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This course will build on the introductory material covered in SOCI 2086E. The research and writing of the major figures in contemporary criminology and criminal justice will be examined and discussed. Application of contemporary theories and research to the analysis of the functioning of the major elements of the criminal justice enterprise, the police, the courts and corrections, will be emphasized. Selected topics, including the treatment of women, young offenders and First nations peoples in the justice system, will be examined. *Offered every year.*

SOCI 4476E Senior Seminar in Criminal Justice Topics

Prerequisite: SOCI 2086E and SOCI 2087E

Student may not retain credit for SOCI 4476E and SOCI 4295E (only if taken in 2001-2002).

Credits: 3.0

This course will build on the introductory material covered in SOCI 2087E. Current issues and initiatives in each of the major components of the criminal justice system, the police courts, corrections and community organizations, will be examined in depth. The occupational and organizational features of the various criminal justice system components will be examined, and major challenges confronting the criminal justice system will be discussed. Criminal justice systems in other areas of the world will be compared and contrasted with the Canadian criminal justice system. *Offered every year.*

Cross-Listed Courses

The following courses may be counted towards Sociology: GEND 2156E, GEND 2157E, GEND 3127E, SOSC 2106E and six credits in upper level Anthropology.

Spanish

ESPA 1005E Introductory Spanish

Prerequisite: No prerequisite.

Students with OAC credit or with native speaking ability will not be permitted to complete this course for credit.

Hours: Three hours of lecture per week.

Credits: 6.0

The basic elements of Spanish grammar are studied. Development of the four language skills: reading, listening-comprehension, writing and speaking. *Offered in 2002-2003 and offered in Spring 2002.*

ESPA 2005E Intermediate Spanish

Prerequisite: ESPA 1005E or equivalent

Hours: Three hours of lecture per week.

Credits: 6.0

The principles of grammar are reviewed: intensive practice in conversation, composition, and translation. Study of literary and cultural materials. Laboratory work concentrates on practice in pronunciation, grammar, and listening-comprehension. The course is conducted mainly in Spanish.

ESPA 2705E An Introduction to Hispanic Culture and Civilization

Prerequisite: No prerequisite.

Hours: Three hours of lecture per week.

Credits: 6.0

This course provides an introduction to the history and civilization of Spain and Spanish America from pre-Roman times to the present day, through a study of the land and its people, including social, political, cultural and artistic developments.

Survival

SURV 1108E Wilderness Survival

Prerequisite: Restricted to students in the third or fourth year of the Environmental Biology program.
Credits: 1.5

This one week field course will provide the student with the basic skills and experience necessary for wilderness survival in emergency situations.

University Success

UNIV 1011E Student Success: Theory and Practice

Prerequisite: No prerequisite.

This course is normally restricted to students enrolled in their first 30 university credits.

Hours: Three hours of lecture per week for one term.

Credits: 3.0

This introductory course is designed to help students understand and integrate effectively to the university environment, through the development of attitudes, skills and knowledge which promote success in higher education. Students will explore and examine methods for achieving success which are grounded in theory drawn from various disciplines and human development models related to academic, personal and social growth. Topics include learning styles and study skills, research and library skills, critical thinking, communication skills, time and stress management, health and wellness, career planning and job search and academic planning. This course is team taught, using a variety of instructional methods. Small class sizes ensure individual attention and encourage collegiality. *Offered every year.*

Women's Studies

All Women's Studies courses have been re-named Gender Equality and Social Justice. Please refer to that section of the academic calendar for course descriptions.

Faculty of Education

Administration

Dean (Education): Ron Common, BA, CEd, BEd, MEd, PhD

Associate Dean: Ron Wideman, BA, MEd, EdD

Practice Teaching Placement Officer: Mary Lecour, BAA, BEd

Administrative Assistant/Practice Teaching Placement Officer: Ursula Boyer, BBA

Full-time Academic Faculty

		Franks, Douglas	BSc, University of Victoria BEd, University of P.E.I. MEd, PhD, University of Alberta Assistant Professor of Education (Curriculum Studies - Mathematics)
Barber, Paula	BA, BEd, Laurentian University (Nipissing) MEd, University of Toronto (OISE) Assistant Professor of Education (Foundations in Education - Educational Psychology/Special Education)	Frost, Lorraine	BA, BEd, MEd, University of Manitoba PhD, University of Toronto Associate Professor of Education (Foundations in Education - Educational Psychology/Special Education)
Berry, Dean	BA, McGill University BEd, MEd, University of Manitoba PhD, University of Ottawa Assistant Professor of Education (Curriculum Studies - Language and Literacy)	Harvey, Cher	BA, University of Western Ontario BEd, Laurentian University (Nipissing) MA, Central Michigan University PhD, Michigan State University Assistant Professor of Education (French as a Second Language)
Blair, Wynne	BA, BEd, Nipissing University MEd, EdD, University of Toronto Assistant Professor of Education (Curriculum Studies - Music)	Horton, Todd	BA, University of Toronto BEd, MA, University of New Brunswick Assistant Professor of Education (Curriculum Studies - Social Studies and Geography)
Brackenreed, Darlene	BA, Dalhousie University BEd, MEd, Brandon University Assistant Professor of Education (Curriculum Studies - Educational Psychology/Special Education)	Kariuki, Mumbi	BA, MEd, Kenyatta University Nairobi MA, PhD, Ohio University Assistant Professor of Education (Curriculum Studies - Computer Education)
Buley, Jan	BA, University of Guelph BEd, Nipissing University MA, MEd, Mount Saint Vincent University MEd, Columbia University Assistant Professor of Education (Curriculum Studies -Language and Literacy)	Knaack, Liesel	BA, University of Waterloo BEd, Queen's University MEd, Nipissing University Assistant Professor of Education (Curriculum Studies - Computer Education)
Campbell, Terry	BA, MA University of Toronto BEd Nipissing University Assistant Professor of Education (Curriculum Studies -Language and Literacy)	Langford, Helen	BA, Laurentian University MEd, University of Western Ontario PhD, McGill University Assistant Professor of Education (Curriculum Methods) Chair: Primary/Junior Division
Clausen, Kurt	BA, MA, Concordia University PhD, University of Ottawa Graduate Diploma in Education, McGill University Assistant Professor of Education (Curriculum Development & Evaluation)	Laronde, Gerald	BSc (Agr), University of Guelph BEd, MEd, Nipissing University Assistant Professor of Education (Curriculum Studies - Science) Chair: Intermediate/Senior Division

Lemisko, Lynn	BEd, MA, PhD, University of Calgary Assistant Professor of Education (Curriculum Studies -Social Studies and History)	Swanson, George	Assistant Professor of Education (Curriculum Methods) BA, University of Waterloo MEd, University of Alberta Principal Aboriginal Programs
Long, John	BA, University of Waterloo MEd, EdD, University of Toronto (OISE) Assistant Professor of Education (Foundations in Education - Education and Schooling)	Vail, Heli	BA, Waterloo Lutheran University BEd, Nipissing University MEd, University of Toronto (OISE) Assistant Professor of Education (Curriculum Methods)
Lundy, John	BA, University of Toronto MA, University of Ottawa MEd, EdD, University of Toronto (OISE) Associate Professor of Education (Foundations in Education - Education and Schooling)	Van Nuland, Shirley	BA, University of Western Ontario MEd, Windsor University PhD, University of Toronto Assistant Professor of Education (Foundations - Education and Schooling)
McCabe, Michael	BSc, University of Guelph BEd, MEd, University of New Brunswick Assistant Professor of Education (Curriculum Studies -Health and Physical Education)	Weeks, Ronald	BSc, University of Western Ontario MEd, EdD, University of Toronto Associate Professor of Education (Curriculum Studies - Science)
McIntosh, Janet	BA, McMaster University BEd, EdD, University of Toronto (OISE) MEd, York University Assistant Professor of Education (Curriculum Studies - Language and Literacy/English)		
Mroczkowski, James	BEd, BFA, MEd, University of Windsor MFA, York University Assistant Professor of Education (Curriculum Studies - Art)		
Olmsted, Barbara	BA, BPhe, BEd, Queen's University MA, University of Western Ontario Assistant Professor of Education (Curriculum Studies - Health & Physical Education)		
Reid, Sandra	BA, University of Western Ontario M.Ed, Brock University Ed.D, University of Toronto Associate Professor of Education (Curriculum Studies - Music) Chair - Junior/Intermediate Division		
Richardson, Warnie	BA, Acadia University BEd, MEd, EdD, University of Toronto Assistant Professor of Education (Educational Psychology/Special Education)		
Scott, Jeff	BPhe - Laurentian University BEd, MEd Nipissing University Assistant Professor of Education (Curriculum Studies - Science)		
Shaffer, Dianna	BEd, MEd, University of Florida PhD, University of Ottawa		

Teacher Education in North Bay

The history of teacher education in North Bay began in 1909 with the opening of the North Bay Normal School in the heart of town. The Normal School was renamed North Bay Teachers' College in 1953. Since 1909, over 16,000 teachers have received their professional education in North Bay. In 1972, the College moved into new quarters at the College Education Centre. One wing of the College Education Centre was carefully designed for the integration of Nipissing University College and the Teachers' College. The integration took place September 1, 1973.

The Faculty has a reputation for providing a rigorous teacher education program which is demanding of the student teacher and provides well-prepared teachers for Ontario schools. In keeping with this approach, the Faculty insists that the student teacher entering elementary education examine all areas of the elementary school curriculum. Student teachers entering secondary education also get an opportunity to learn and practice curriculum and teaching skills in Grades 7 and 8, in subject areas not part of their regular teaching subjects.

The mission of the Faculty of Education is to promote the professional growth of teachers through pre-service, in-service and graduate programs, and to provide educational leadership and support through consultation and research. The program aims to provide beginning teachers with an understanding of the basic philosophical, psychological and sociological foundations of education, to enable them to use a system-based approach in their teaching, and to introduce them to a rationale for curriculum design through a study of the various strands of the curriculum.

Although most graduates obtain positions in southern Ontario, the Faculty of Education at Nipissing University has a northern outlook. Northern Ontario's biculturalism is reflected in an option course in the teaching of French to English-speaking pupils. In addition, many students are attracted to the option course in the education of Native Canadians. This northern ambience maintains the loyalty of students from Northern Ontario and brings students from elsewhere who are attracted to the North.

* New for 2002 - The Faculty of Education will be the first Faculty of Education in Ontario (and the second faculty nationally) to introduce a compulsory laptop computer program for all BEd students enrolled in Junior/Intermediate Program. In 2003 Primary/Junior and Junior/Intermediate students will participate in the laptop program.

Bachelor of Education Degree

The Faculty of Education offers a one-year consecutive program leading to a Bachelor of Education degree. This program meets the requirements of the Ontario College of Teachers for teacher certification.

The Ontario Certificate of Qualification

1. Qualified candidates, who successfully complete the Bachelor of Education program will be recommended for a

Certificate of Qualification (formerly Ontario Teacher's Certificate) issued by the Ontario College of Teachers.

The Certificate of Qualification records the teacher's divisions of concentration (from Kindergarten to OAC) and additional qualifications.

2. The divisions in the Ontario school system are: Primary (Junior Kindergarten to Grade 3), Junior (Grades 4 to 6), Intermediate (Grades 7 to 10) and Senior (Grades 11 to OAC).

At Nipissing, Bachelor of Education students can obtain qualifications in one of the following division combinations: Primary/Junior (P/J), Junior/Intermediate (J/I) or Intermediate/Senior (I/S).

3. It should be noted that it is legal for the possessor of a Certificate of Qualification to accept a position in a division other than the one in which he/she has concentrated. This will of course be the exception to the general practice and will occur only when the teacher can demonstrate unique qualifications for such a position.

How to Apply

Application for admission to full-time Bachelor of Education programs at all faculties of education is made through the Ontario Universities' Application Centre (OUAC) using the Teacher Education Application Service (TEAS) application form. The TEAS application is available on-line beginning in September through the OUAC website: www.ouac.on.ca/teas/. The completed application and appropriate fees must be submitted to OUAC by the date specified. Applicants must apply by early December to be considered for admission for the following September.

It is the applicant's responsibility to be aware of, and meet, all deadline dates and admission criteria for the division and teaching subjects selected. Any questions concerning this information can be clarified by contacting the Office of the Registrar.

Required Documentation

To be eligible for admission consideration, candidates must submit the following to the Office of the Registrar:

Upon Application:

- a) Official transcripts from all universities attended. Foreign transcripts not written in English must be accompanied by an officially certified English translation. Photocopies are not accepted.
- b) Legal proof of change of name if different from that on the transcript(s) (e.g. marriage certificate).
- c) Experience Profile form. The Office of the Registrar will automatically send this form upon receipt of the application from the OUAC.
- d) Applicants whose first language is not English will be required to submit the results of the Test of English as a Foreign Language (TOEFL). A minimum score of 600 on the paper based test or of 250 on the computer based test is required. This test is administered by the Educational Testing Service, Box 6151, Princeton, New Jersey, USA 08541 - 6151. Website: www.toefl.org

Basic Admission Requirements for the Bachelor of Education Degree

It is the policy of Nipissing University to encourage applications from qualified applicants who are Aboriginal, members of visible minorities and differently-abled persons.

Enrolment in the Bachelor of Education program is limited to approximately 650 students. Selection of candidates is based primarily on academic achievement, but the Faculty takes experiential qualifications into consideration in the final selection process. Candidates are required to use only the Nipissing Experience Profile form. The Office of the Registrar will automatically send candidates the Experience Profile form upon receipt of the application from the OUAC.

Candidates must complete the requirements for an acceptable undergraduate degree prior to registration. The academic average for admission consideration will be calculated on 15 full university courses (90 credits) not including college transfer courses. If an applicant presents more than 25 full university courses, only the first 25 full university courses will be considered. Applicants with a graduate degree will have a maximum of five full graduate courses included in their average.

The academic average for candidates who have not completed 15 full undergraduate courses will be calculated on those courses completed by December 31. Normally a minimum of 10 full university courses or more (not including college transfer courses) is required. Please refer to the divisions listed below for any additional admission requirements.

Aboriginal and Early Childhood Education (ECE) Candidates

Up to 20 places are reserved for Aboriginal candidates. These candidates must follow the prescribed application procedures and send proof of Aboriginal status to the Office of the Registrar. A limited number of places are available in the Primary/Junior division for candidates who hold an undergraduate degree plus an ECE diploma or hold an undergraduate degree specializing in child studies. Further information on these admission policies is available from the Assistant Registrar - Admissions.

Divisions

The following divisions are offered in the one-year Bachelor of Education program:

Primary/Junior

This division prepares the candidate to teach from Junior Kindergarten to Grade 6. Applicants do not choose teaching subjects.

Junior/Intermediate

This division prepares the candidate to teach from Grade 4 to Grade 10 with specific preparation in one teaching subject. Can-

didates must have at least three full undergraduate courses (18 credits) in the teaching subject selected. Teachable subjects offered at Nipissing are Computer Science, English (First Language), French (Second Language), Geography, Health and Physical Education, History, Mathematics, Music-Instrumental, Religious Education, Science-General and Visual Arts.

Note:

- English - English remedial courses will not be considered. At Nipissing these courses include ENGL 1501/1502, ENGL 1551/1552, ENGL 1560.
- French - Candidates who choose French as a teaching subject must also successfully complete the French Language Proficiency Test (both oral and written components).
- Instrumental Music, Visual Arts - Applicants who choose Instrumental Music or Visual Arts as a teaching subject must have a minimum of three full undergraduate performance or studio courses (18 credits) respectively. Applicants with more than the minimum course requirements may be given preference.
- Mathematics - Only Mathematics courses with OAC prerequisites will be considered (e.g. MATH 1911/1912, MATH 1257 will not be considered).
- Religious Education - Please note that this teaching subject prepares teachers of Religious Education in Roman Catholic schools. Roman Catholic Boards of Education require that student teachers be of the Catholic faith.

Intermediate/Senior

This division prepares the candidate to teach from Grade 7 to OAC with specific preparation in two teaching subjects. Candidates must have at least five full undergraduate courses (30 credits) in the first teaching subject selected and at least three full undergraduate courses (18 credits) in the second teaching subject.

The following teaching subjects are offered at Nipissing: Business Studies - Accounting, Business Studies - Information Management, Computer Science, English (First Language), French (Second Language), Geography, Health and Physical Education, History, Mathematics, Music - Instrumental, Religious Education (Catholic), Science - Biology, Science - Chemistry and Visual Arts.

Note:

- Business Studies - Accounting - A first teaching subject requires three full undergraduate courses from the specific subject area and an additional two full undergraduate courses from a related business area. A second teaching subject requires two full undergraduate courses from the specific subject area and one additional full undergraduate course from a related business area.
- English - English remedial courses will not be considered. At Nipissing these courses include ENGL 1501/1502, ENGL 1551/1552, ENGL 1560.
- French - Candidates who choose French as a teaching subject must successfully complete the French Language Proficiency Test (both oral and written components).
- Business Studies - Information Management - A first teaching subject requires three full undergraduate courses from the specific subject area and an additional two full undergraduate courses from a related business area. A second teaching subject requires two full undergraduate

courses from the specific subject area and one additional full undergraduate course from a related business area.

Information Management involves teaching the use of information technology as well as the analysis of data in a business environment. University courses considered for admission to Business Studies - Information Management are courses such as database management, accounting information systems, spreadsheet applications, etc.

- e) Instrumental Music, Visual Arts - Applicants who choose Instrumental Music or Visual Arts as a teaching subject must present the required number of courses including a minimum of three full undergraduate performance or studio courses (18 credits) respectively.
- f) Mathematics - Only Mathematics courses with an OAC prerequisite will be considered (e.g. MATH 1911/1912, MATH 1257 will not be considered).
- g) Religious Education - Please note that this teaching subject prepares teachers of Religious Education in Roman Catholic schools. Roman Catholic Boards of Education require that student teachers be of the Catholic faith.

Required Documentation

Prior to Registration:

- a) An official transcript showing that an approved degree has been conferred;
- b) Legal proof of change of name (if not provided upon application) if different than that on the birth certificate (e.g. marriage certificate);
- c) Proof of freedom from active tuberculosis within the past year is required.

Note: In order to receive an Ontario Certificate of Qualification, graduates will be required to provide the College of Teachers with proof of Canadian citizenship or status as a permanent resident under the Immigration Act (Canada) as well as a criminal record check.

Registration

Those admitted to the Bachelor of Education program will be sent a registration package in early summer. The deadline date for receipt of the registration form at the Office of the Registrar is August 7, 2002. Students not registered by this date forfeit their offer of admission.

Nipissing University is implementing a mobile computing initiative within its Faculty of Education. Under this initiative, all students and faculty members within the Faculty will be required to lease a laptop computer from Nipissing University. The program is intended to enrich the already strong educational experience in preparing teachers of tomorrow for the teaching environment of the future. This laptop program will commence in the 2002-2003 academic year for all students enrolled in the Junior/Intermediate program. For further information, please contact the Faculty of Education Office.

Academic Regulations/ Information

The following regulations apply to students registered in the Bachelor of Education program.

Academic Advising

Students in the Faculty of Education who need advice on any academic matter should consult with the Office of the Dean of Education.

Academic Dishonesty

The University takes a very serious view of such offenses against academic honesty as plagiarism, cheating, and impersonation. Penalties for dealing with such offenses will be strictly enforced. The complete policy on Academic Dishonesty is in the Policies section of the Calendar.

Academic Standing

Credit is not retained for passed courses in a failed year in the Bachelor of Education program.

Aegrotat Standing

Aegrotat standing (credit granted with incomplete course work) will be considered only in exceptional circumstances (usually only in cases of serious illness) and if term work has been of high quality.

Appeals

Please refer to the Policies section.

Attendance

Punctual and regular attendance is essential for the successful completion of a course. Students who do not demonstrate regular attendance may be required to withdraw from the Bachelor of Education program unless medical documentation or other authorized documentation, deemed appropriate by the Faculty, is received. This policy may be implemented if a student is absent more than the number of hours indicated (approximately 20% of the total hours) in connection with any one of the courses or course components listed below:

Components	Hours Absent
Language Arts	14
Education and Schooling	7
Special Education/Educational Psychology	7
Music	5
Science	5
Math – J/I	5
Math – P/J	7
Health and Physical Education	5
Art	5
Social Studies	5
Computers	2
Management	2
Methods	11
Language Across Curriculum	2

Curriculum Development and Evaluation (includes CIs)	12
Each Elective	7

Class Hours

Education students, depending on their division, will have from 21 to 29 class hours during their course work at the University.

Course Identification

Nipissing University courses are numbered as follows:
 Four letters to indicate the department or subject;
 Four numbers to designate the course;
 One letter to indicate the language of instruction;
 One letter to indicate the particular section of a given course.

Example

EDUC	4486	E	A
Department	Course Number	Language of Instruction	Section

Unless otherwise designated in the course description, courses whose last digit is a 4 will have a value of 5 credits; courses whose last digit is a 5 will have a value of 6 credits; courses whose last digit is a 6 or 7, will have a value of 3 credits.

One letter indicates the language of instruction; “E” for English, or “F” for French. Courses described in English are taught in English and courses described in French are taught in French.

Determination of Final Grade

- A student’s grade in each course will be based upon the year’s work and the final examination;
- The final examination will not make up more than 70% or less than 30% of the final grade in each course;
- The instructor will discuss with the class the basis for assessment specifying the relative weight of each examination, test, in-class activity and written assignment;
- The instructor will also specify which assignments must be completed in order to receive a grade in the course;
- The method of determining final grades is to be discussed with students within the time frame Senate has approved for late course registration;
- The instructor must inform students of their standing prior to the date for honourable withdrawal from the course. If no written term work has been evaluated by that date, the information shall be given in the form of a written statement of the student’s standing;
- The instructor is required to return to students all written work, other than final examinations, which has been submitted for evaluation purposes. Students may discuss with their instructor the work presented, the comments made, and the grade assigned;
- Final evaluation submissions are not returned to students but are kept on file by the Office of the Registrar for six months after the publication of Grade Reports;
- For each course, a final marks sheet is completed, signed by the instructor and submitted to the Dean of Education for approval within five calendar days of the exam. The Dean of Education’s signature indicates that the marks submission is consistent with existing practices and policies of the Faculty;

- Revisions to any previously-assigned grade are submitted in writing for the approval of the Dean of Education, together with the reasons for such revisions. Grades are not official until they have been approved by the Dean of Education and released by the Office of the Registrar;
- The final marks issued by Nipissing University are the only ones accepted as binding.

Letter Grades and Grading Standards

“A” – (80–100%)

“B” – (70–79%)

“C” – (60–69%)

“D” – (50–59%)

“F” – (0 – 49%)

“A” indicates *Exceptional Performance*: comprehensive in-depth knowledge of the principles and materials treated in the course, fluency in communicating that knowledge and independence in applying material and principles.

“B” indicates *Good Performance*: thorough understanding of the breadth of materials and principles treated in the course and ability to apply and communicate that understanding effectively.

“C” indicates *Satisfactory Performance*: basic understanding of the breadth of principles and materials treated in the course and an ability to apply and communicate that understanding competently.

“D” indicates *Minimally Competent Performance*: adequate understanding of most principles and materials treated in the course, but significant weakness in some areas and in the ability to apply and communicate that understanding.

“F” indicates *Failure*: inadequate or fragmentary knowledge of the principles and materials treated in the course or failure to complete the work required in the course.

“I” indicates *Incomplete*.

“W” indicates *Withdrawal* with permission.

Final Examinations

Final examinations for each course are mandatory, except where otherwise approved by Senate, and are scheduled by the Office of the Dean of Education. Final examinations for classes held at night will usually be scheduled during the day. Final examinations constitute a minimum of 30% and a maximum of 70% of the final grade. Punctual and regular attendance is essential for the successful completion of a course. When absenteeism exceeds 20%, the student may be excluded from writing the final examination.

Copies of previous final examinations for all courses offered by Nipissing University will be made available to students except where otherwise approved by Senate.

Final examinations for three-credit courses will be two hours, and examinations for five-credit and six-credit courses, three hours.

The following regulations apply to students registered in the Bachelor of Education program.

To qualify for the Bachelor of Education degree in the Primary/Junior Division and to qualify for a Certificate of Qualification, a candidate must obtain a pass in EDUC 4684E (Observation and Practice Teaching) and obtain a minimum overall average of 70% in the following courses: EDUC 4102E, EDUC

4103E, EDUC 4454E, EDUC 4114E, EDUC 4124E, EDUC 4134E, with at least 60% in each. The average is a weighted average based upon course credits. Option course grades are not included in the average.

Weighted Average Calculation – An example:

Course	Credits	Course Grade	Weighted Grade
EDUC 4102E	3	74% x 3	222
EDUC 4103E	3	72% x 3	216
EDUC 4454E	5	75% x 5	375
EDUC 4114E	5	70% x 5	350
EDUC 4124E	5	80% x 5	400
EDUC 4134E	5	80% x 5	400
Totals:	26		1963

Program Average: 1963 divided by 26 = 75.5%

To qualify for the Bachelor of Education degree in the Junior/Intermediate Division and to qualify for a Certificate of Qualification, a candidate must obtain a pass in EDUC 4694E (Observation and Practice Teaching) and obtain a minimum overall average of 70% in the following courses: EDUC 4202E, EDUC 4203E, EDUC 4464E, EDUC 4214E, EDUC 4224E, EDUC 4234E, and in a teaching elective with at least 60% in each. The average is a weighted average based upon course credits. Students in the Junior/Intermediate Division must obtain at least 60% in one of the listed electives. Option course grades are not included in the average.

Weighted Average Calculation – An example:

Course	Credits	Course Grade	Weighted Grade
EDUC 4202E	3	74% x 3	222
EDUC 4203E	3	72% x 3	216
EDUC 4464E	5	75% x 5	375
EDUC 4214E	4	70% x 4	280
EDUC 4224E	4	80% x 4	320
EDUC 4234E	4	80% x 4	320
EDUC 4446E (Elec)	3	75% x 3	225
Totals:	26		1958

Program Average: 1958 divided by 26 = 75.31%

To qualify for the Bachelor of Education degree in the Intermediate/Senior Division and to qualify for a Certificate of Qualification, a candidate must obtain a pass in EDUC 4355E (Observation and Practice Teaching) and obtain a minimum average of 70% in the following courses: EDUC 4306E, EDUC 4307E, EDUC 4315E, EDUC 4325E, and in two subject pairings chosen as electives in the Intermediate/Senior Division, with at least 60% in each course. Option course grades are not included in the average.

Weighted Average Calculation - An example:

Course	Credits	Course Grade	Weighted Grade
EDUC 4306E	3	74% x 3	222
EDUC 4307E	3	72% x 3	216
EDUC 4315E	5	75% x 5	375
EDUC 4325E	5	70% x 5	350
EDUC 4406E (Elec)	3	80% x 3	240
EDUC 4407E (Elec)	3	80% x 3	240

EDUC 4416E (Elec)	3	75% x 3	225
EDUC 4417E (Elec)	3	75% x 3	225
Totals:	28		2093

Program Average: 2093 divided by 28 = 74.75%

The final practice teaching grade (EDUC 4684E/EDUC 4694E/EDUC 4355E) is the result of the gradings given by the Associate Teachers and all professors who completed an evaluation in the graded weeks.

French Language Proficiency Test

All candidates who wish to take French as a Second Language courses in the Faculty of Education must successfully complete the French Language Proficiency Test. The test consists of an oral interview of approximately 15 minutes with two evaluators. The written test consists of 75 grammar questions and a paragraph for style. The passing mark is 75% on both the oral and written components. A testing fee of \$32 (non-refundable) payable to Nipissing University at the Finance Office is required.

Testing will be done on the following dates:

Saturday, February 2, 2002	9:30 a.m.
Friday, March 8, 2002	9:30 a.m.
Friday, April 12, 2002	9:30 a.m.
Friday, April 26, 2002	9:30 a.m.
Saturday, May 25, 2002	9:30 a.m.
Friday, June 14, 2002	9:30 a.m.
Friday, July 12, 2002	9:30 a.m.

Each candidate can apply to be retested once. The fee for retesting is \$48 (non-refundable).

Incomplete Grades

In exceptional circumstances, a student may request consideration for an Incomplete grade (I). Such a request must be submitted in writing, through the instructor to the Dean of Education, together with reasons for the request.

Any student assigned an Incomplete grade must complete all course requirements within one month after the end of the examination period. If after that period the course is not completed or an extension has not been granted by the Dean of Education, a grade "F" will be recorded on the student's academic record.

In order to be considered for an extension of the completion date beyond the normal one month period, a student must submit a written request to the Dean of Education, through the instructor, explaining the reasons for such an extension. Under no circumstances may a completion date exceed six months from the end of the examination period.

Release of Final Grades

Final grades will be withheld from any student who has an outstanding account at the University or Library and such students will forfeit their right to appeal grades.

Review of Final Examinations

Students may request in advance to view their examination papers in the Office of the Registrar. Upon request by a student, and at a time mutually agreed upon by the instructor and student, the instructor shall review the examination paper in the presence of the student. The closing date to request reviews is one month after the release of marks.

Special Final Examinations

Students who are unable to write final examinations because of illness or other circumstances beyond their control, or whose performances on the examination has been impaired by such circumstances, may on application, be granted permission to write a special final examination. Such application must:

1. be made in writing to the Dean of Education not later than one week after the date of the examination; and
2. be fully supported in the cases of illness by a medical certificate or by the appropriate documents in other cases.

The petition for such special examinations must be filed within a week of the day of the regular examination.

There will normally be a fee for special examinations.

Transcripts of Records

Graduates will be given one transcript of their academic record. Other requests for official transcripts must be made through the Office of the Registrar. The fee for transcripts is published in the Fee Section (see Charges and Fees in the index) of this Calendar, and is due before the request will be processed. Transcripts must be requested in writing or in person; telephone requests will not be accepted.

Basic Program for Students Concentrating in the Primary and Junior Divisions

Foundations:

- EDUC 4103E Educational Psychology and Special Education (Primary/Junior)
- EDUC 4102E Education and Schooling (Primary/Junior)

Curriculum:

- EDUC 4114E Curriculum Studies 1 (Primary/Junior)
- EDUC 4124E Curriculum Studies 2 (Primary/Junior)
- EDUC 4134E Curriculum Studies 3 (Primary/Junior)
- EDUC 4454E Curriculum Methods (Primary/Junior)

Practicum:

- EDUC 4684E Observation and Practice Teaching (Primary/Junior)

Option Courses

The following additional courses are offered to interested students. These courses are taken concurrently with the one-year program and are in addition to it. A student may take one of the

option courses - French as a Second Language, Part I or Education of Native Canadians.

- EDUC 1515F French as a Second Language, Part I
- EDUC 4986E Education of Native Canadians

Students may also choose to take the following option:

- EDUC 1526E Religious Education in the Roman Catholic Separate Schools.

Students intending to teach in the Separate School Boards should be aware that preference in hiring will be given to students with a pre-service Religious Education course.

Course Descriptions – Primary/Junior

EDUC 4102 Education and Schooling (Primary/Junior)

Credits: 3

Education and Schooling (Primary/Junior) is designed to enhance the knowledge, understanding, and skill of teacher-candidates in the area of the philosophical, historical, legal, and social context of schooling and education. Through readings, dialogue, observation, seminars, and reflection, you will be encouraged to discover the multifaceted nature of modern classroom teaching and to discover and understand who you are as "teacher". The intent of this course is thus to offer materials and experiences through which a strong foundation for professional teaching can be developed.

EDUC 4103E Educational Psychology and Special Education (Primary/Junior)

Credits: 3

In this course, candidates are introduced to the fields of Educational Psychology and Special Education. Topics will be selected from guidance and counselling, human development, theories of learning, cognition in children and adolescents, motivation, and psychological and educational assessment in school settings. An overview of special education services in Canada will be provided, with a focus on Ontario. Candidates will receive an overview of the types of exceptionalities that students may present. An introduction will be provided to the processes used to identify students with exceptionalities and plan individual programs. The range of special education services typically available in school systems will be discussed.

EDUC 4114E Curriculum Studies 1 (Primary/Junior)

Credits: 5

Language - psychological and sociological factors influencing language learning; the language processes (listening, speaking, reading, writing); usage and grammar as functions of children's communication needs; current theories of reading instruction; expressive, transactional and poetic writing; children's literature; developmental programs in listening, speaking, reading and writing. Drama - drama as an expressive art; dramatic play, mime, improvisation, story drama, program development in drama.

EDUC 4124E Curriculum Studies 2 (Primary/Junior)

Credits: 5

A study of curriculum development in the Primary and Junior Divisions in the following areas: Health and Physical Education

- an examination of curriculum components that constitute a balanced health and physical education program for children in the Primary and Junior Divisions; participation in activities that promote growth in the four developmental channels of health and physical education; an investigation of current approaches designed to meet individual needs of children. Visual Arts - an introduction to art education with a focus on the interdependent relationships among contemporary art education, philosophy, psychology, methodology and art content; studio activities which will provide first-hand experience with a variety of art materials, tools, processes and techniques pertinent to the classroom. Music - a study of music curricula which promotes aesthetic development through experiences in singing, playing, listening, creating, moving and dramatizing; an examination of systems which develop the skills of reading and writing the language of music.

EDUC 4134E Curriculum Studies 3 (Primary/Junior)

Credits: 5

A rationale for curriculum design particular to mathematics, science and social studies; curriculum guidelines established by the Ministry of Education and Training for the Primary and Junior Divisions; planning appropriate curriculum units. A study of the aims, scope, sequence and structure of each subject area; media and materials particular to each area. Mathematics - the underlying structures and unifying principles of mathematics; the development of basic mathematical concepts in students in the Primary and Junior Divisions; an investigation of current approaches which links mathematical understanding to development in children. Science - the underlying structure and framework of principles and concepts of science and technology; the development of science processes and attitudes; an investigation of current approaches and instructional strategies which link scientific understanding to child development. Social Studies - fundamental concepts and instructional strategies in Social Studies in the Primary and Junior Division; developing an understanding of the relationship of earths' peoples with their social and physical environments in the past and present; promoting insights into the global community and its implications for the life of today's pupil.

EDUC 4454E Curriculum Methods (Primary/Junior)

Credits: 5

The course consists of three separate components - methods, management and computers. The methods component consists of a study of teaching and learning in the Primary and Junior Divisions. It includes a range of approaches to develop instruction, implementation and evaluation strategies. The management component identifies strategies appropriate to the developmental needs of JK-6 learners and the particular situation, uses a practical and theoretical framework for understanding and managing social interactions in the classroom and develops a personal proactive plan for classroom management. The computer component provides an introduction to the roles of information technology in teaching and learning.

EDUC 4684E Observation and Practice Teaching (Primary/Junior)

Credits: 5

An examination of the basic components of the practicum including functions, roles, responsibilities and related skills; field experiences conducted in the elementary schools for the equivalent of thirteen weeks throughout the academic year.

Students are assigned to schools according to their selected divisions of concentration. Associate teachers are selected annually

from the staffs of the public and separate schools and certain First Nations' schools.

Option Courses

The following option courses are offered to interested students. These courses are taken concurrently with the one-year program and are in addition to it. A student may take one of the option courses - French as a Second Language, Part I or Education of Native Canadians.

EDUC 1515F French as a Second Language, Part I

Credits: 6

Ce cours vise à familiariser l'enseignant, l'enseignante aux principes linguistiques, psychologiques et pédagogiques qui, dans les classes de français de base aussi bien que dans un programme intensif ou d'immersion, soutiennent l'enseignement de la langue seconde aux cycles primaire, moyen, intermédiaire et supérieur. Le cours comprend les techniques principales de l'approche langue seconde, l'étude des matériaux pédagogiques de différents niveaux et différents programmes, l'examen de stratégies d'enseignement et de techniques d'évaluation. On proposera des séances de micro-enseignement, la préparation et l'emploi d'aides didactiques, l'enseignement de la culture, l'étude des recherches pertinentes et des auteurs contemporains. Le candidat qui aura satisfait aux exigences du Ministère de l'Éducation et de la Formation ajoutera une nouvelle qualification French as a Second Language, Part I.

A French Language Proficiency Test (see French Language Proficiency Test in the Index) is required.

EDUC 4986E Education of Native Canadians

Credits: 3

An examination of the cultural and social aspects of Native Canadian life relevant to education; the legal, historical and sociological aspects of Native Canadian education; an introduction to teaching in Native Canadian schools; practicum placement will be provided if possible.

Students may also choose to take the following option:

EDUC 1526E Religious Education in the Roman Catholic Separate Schools

Credits: 3

An introduction to the curriculum concepts which compose the Religious Education curriculum currently in use in the Catholic Schools of Ontario; examination of Scripture, Christian anthropology; psychology of religion; liturgy and Sacraments.

Basic Program for Students Concentrating in the Junior and Intermediate Divisions

Foundations:

EDUC 4202E 4202E Education and Schooling
(Junior/Intermediate)

EDUC 4203E Education Psychology and Special Education
(Junior/Intermediate)

Curriculum

- EDUC 4214E Curriculum Studies 1 (Junior/Intermediate)
- EDUC 4224E Curriculum Studies 2 (Junior/Intermediate)
- EDUC 4234E Curriculum Studies 3 (Junior/Intermediate)
- EDUC 4464E Curriculum Methods (Junior/Intermediate)

One of the following electives is required for students registering in the Junior/Intermediate Division:

- EDUC 4406E English (First Language)
- EDUC 4416E Computer Science
- EDUC 4436F French (Second Language)
- EDUC 4446E Geography
- EDUC 4456E History
- EDUC 4466E Mathematics
- EDUC 4476E Health and Physical Education
- EDUC 4486E Science – General
- EDUC 4496E Visual Arts
- EDUC 4516E Music – Instrumental
- EDUC 4586E Religious Studies

Practicum:

- EDUC 4694E Observation and Practice Teaching (Junior/Intermediate)

Option Courses

The following option courses are offered to interested students. These courses are taken concurrently with the one-year program and are in addition to it. A student may take one of the option courses - French as a Second Language, Part I or Education of Native Canadians.

- EDUC 1515F French as a Second Language, Part I
- EDUC 4986E Education of Native Canadians

Students may also choose to take the following option:

- EDUC 1526E Religious Education in the Roman Catholic Separate Schools.

Students intending to teach in the Separate School Boards should be aware that preference in hiring will be given to students with a pre-service Religious Education course.

Course Descriptions – Junior/Intermediate

EDUC 4202E Education and Schooling (Junior/Intermediate)

Credits: 3

Education and Schooling (Junior/Intermediate) is designed to enhance the knowledge, understanding, and skill of teacher-candidates in the area of the philosophical, historical, legal, and social context of schooling and education. Through readings, dialogue, observation, seminars, and reflection, you will be encouraged to discover the multifaceted nature of modern classroom teaching and to discover and understand who you are as "teacher". The intent of this course is thus to offer materials and experiences through which a strong foundation for professional teaching can be developed.

EDUC 4203E Education Psychology and Special Education (Junior/Intermediate)

Credits: 3

In this course, candidates are introduced to the fields of Educational Psychology and Special Education. Topics will be selected from guidance and counselling, human development, theories of learning, cognition in children and adolescents, motivation, and psychological and educational assessment in school settings. An overview of special education services in Canada will be provided, with a focus on Ontario. Candidates will receive an overview of the types of exceptionalities that students may present. An introduction will be provided to the processes used to identify students with exceptionalities and plan individual programs. The range of special education services typically available in school systems will be discussed.

EDUC 4214E Curriculum Studies 1 (Junior/Intermediate)

Credits: 4

Language - psychological and sociological factors influencing language learning; the language processes; listening, speaking, reading, writing; usage and grammar as functions of the individual's communication needs; current theories of reading instruction; expressive, transactional and poetic writing; literature; developmental programs in listening, speaking, reading and writing. Drama - drama as an expressive art: mime, improvisation, story drama; program development in drama.

EDUC 4224E Curriculum Studies 2 (Junior/Intermediate)

Credits: 4

A study of curriculum development in the Junior and Intermediate Divisions in the following areas: Health and Physical Education - an examination of curriculum components that constitute a balanced health and physical education program for children in the Junior and Intermediate Divisions; participation in activities that promote growth in the four developmental channels of health and physical education; an investigation of current approaches designed to meet individual needs of children. Visual Arts - an introduction to art education with a focus on the interdependent relationships among contemporary art education, philosophy, psychology, methodology and art content; studio activities which will provide first-hand experience with a variety of art materials, tools, processes and techniques pertinent to the classroom. Music - a study of music curricula which promotes aesthetic development through experiences of singing, playing, listening, creating, moving and dramatizing; an examination of systems which develop the skills of reading and writing the language of music.

EDUC 4234E Curriculum Studies 3 (Junior/Intermediate)

Credits: 4

A rationale for curriculum design particular to mathematics, science and social studies; curriculum guidelines established by the Ministry of Education and Training for the Junior and Intermediate Divisions; planning appropriate curriculum units. A study of the aims, scope, sequence and structure of each subject area; media and materials particular to each area. Mathematics - the underlying structures and unifying principles of mathematics; the development of basic mathematical concepts in students in the Junior and Intermediate Divisions; an investigation of current approaches which link mathematical understanding to development in youth. Science - a study of contemporary approaches to the studies of science; the effects of perceived societal needs on the science curriculum. The preparation of a

unit of study. Social Studies, Geography and History - current theories of instruction in Social Studies, History and Geography in the Junior and Intermediate Divisions; developing an understanding of the relationship of people with their social and physical environments in the past and present; promoting insight into the various ethnic groups that contribute to our society.

EDUC 4464E Curriculum Methods (Junior/Intermediate)
Credits: 5

The course consists of three separate components - methods, management and computers. The methods component consists of a study of teaching and learning in the Junior and Intermediate Divisions. It includes a range of approaches to develop instruction, implementation and evaluation strategies. The management component identifies management strategies appropriate to the developmental needs of junior and intermediate grade learners, uses a practical and theoretical framework for understanding and managing social interactions in the classroom and develops a person, proactive plan for classroom management. The computer component provides an introduction to the roles of information technology in teaching and learning.

EDUC 4694E Observation and Practice Teaching (Junior/Intermediate)
Credits: 5

An examination of the basic components of the practicum including functions, roles, responsibilities and related skills; field experiences conducted in the elementary and secondary schools for the equivalent of thirteen weeks throughout the academic year.

Students are assigned to schools according to their selected divisions of concentration. Associate teachers are selected annually from the staffs of the public and separate schools and certain First Nations' schools.

Electives

Each student in the Junior/Intermediate Division must choose one teaching elective from the following teaching subjects listed in Schedule A (Ontario Regulation 184/97). Prerequisites are at least 18 credits (three full undergraduate courses) or their equivalent in the specified discipline.

EDUC 4406E English (First Language) (Intermediate)
Credits: 3

A critical study of the aims, scope and sequence of the Intermediate Division curriculum in English; analysis of Ministry guidelines; practicum.

EDUC 4416E Computer Science (Intermediate)
Credits: 3

A critical study of the aims, scope and sequence of the Intermediate Division curriculum in Computer Science; analysis of Ministry guidelines; practicum.

EDUC 4436F French (Second Language) (Intermediate)
Credits: 3

A critical study of the aims, scope and sequence of the Intermediate Division curriculum in French; analysis of Ministry guidelines; practicum.

A French Language Proficiency Test (see French Language Proficiency Test in the Index) is required.

EDUC 4446E Geography (Intermediate)
Credits: 3

A critical study of the aims, scope and sequence of the Intermediate Division curriculum in Geography; analysis of Ministry guidelines; practicum.

EDUC 4456E History (Intermediate)
Credits: 3

A critical study of the aims, scope and sequence of the Intermediate Division curriculum in History; analysis of Ministry guidelines; practicum.

EDUC 4466E Mathematics (Intermediate)
Credits: 3

A critical study of the aims, scope and sequence of the Intermediate Division curriculum in Mathematics; analysis of Ministry guidelines; practicum.

EDUC 4476E Health and Physical Education (Intermediate)
Credits: 3

A critical study of the aims, scope and sequence of the Intermediate Division curriculum in Health and Physical Education; analysis of Ministry guidelines; practicum.

EDUC 4486E Science – General (Intermediate)
Credits: 3

A critical study of the aims, scope and sequence of the Intermediate Division curriculum in Science; analysis of Ministry guidelines; practicum.

EDUC 4496E Visual Arts (Intermediate)
Credits: 3

A critical study of the aims, scope and sequence of the Intermediate Division curriculum in Visual Arts; analysis of Ministry guidelines; studio; history; design; and practicum.

EDUC 4516E Music – Instrumental (Intermediate)
Credits: 3

A critical study of the aims, scope and sequence of the Intermediate Division curriculum in Music. Students are expected to conduct large ensembles, coach small groups and develop skill playing brass and woodwind instruments; analysis of Ministry guidelines; practicum.

EDUC 4586E Religious Studies (Intermediate)
Credits: 3

A critical study of the aims, scope and sequence of the Intermediate Division curriculum in Religious Education; analysis of Ministry guidelines; practicum.

Please note that this teaching subject prepares teachers of Religious Education in Roman Catholic schools. Roman Catholic Boards of Education require that student teachers be of the Catholic faith.

Option Courses

The Faculty of Education offers to interested students the following option courses. These courses are taken concurrently with the one-year program and are in addition to it. A student may take one of the option courses - French as a Second Language, Part I or Education of Native Canadians.

EDUC 1515F French as a Second Language, Part I

Credits: 6

Ce cours vise à familiariser l'enseignant, l'enseignante aux principes linguistiques, psychologiques et pédagogiques qui, dans les classes de français de base aussi bien que dans un programme intensif ou d'immersion, soutiennent l'enseignement de la langue seconde aux cycles primaire, moyen, intermédiaire et supérieur. Le cours comprend les techniques principales de l'approche langue seconde, l'étude des matériaux pédagogiques de différents niveaux et différents programmes, l'examen de stratégies d'enseignement et de techniques d'évaluation. On proposera des séances de micro-enseignement, la préparation et l'emploi d'aides didactiques, l'enseignement de la culture, l'étude des recherches pertinentes et des auteurs contemporains. Le candidat qui aura satisfait aux exigences du Ministère de l'Éducation et de la Formation ajoutera une nouvelle qualification French as a Second Language, Part I.

A French Language Proficiency Test (see French Language Proficiency Test in the Index) is required.

EDUC 4986E Education of Native Canadians

Credits: 3

An examination of the cultural and social aspects of Native Canadian life relevant to education; the legal, historical and sociological aspects of Native Canadian education; an introduction to teaching in Native Canadian schools; practicum placement will be provided if possible.

Students may also choose to take the following option:

EDUC 1526E Religious Education in the Roman Catholic Separate Schools

Credits: 3

An introduction to the curriculum concepts which compose the Religious Education curriculum currently in use in the Catholic Schools of Ontario; examination of Scripture, Christian anthropology; psychology of religion; liturgy and Sacraments; practicum.

Basic Program for Students Concentrating in the Intermediate and Senior Divisions

Foundations:

EDUC 4306E Education and Schooling
(Intermediate/Senior)

EDUC 4307E Educational Psychology and Special
Education (Intermediate/Senior)

Curriculum:

EDUC 4315E Curriculum Methods (Intermediate/Senior)
EDUC 4325E Curriculum Development and Evaluation
(Intermediate/Senior)

Two subject pairings of the following electives are required for students registering in the Intermediate/Senior Division.

Intermediate Electives

EDUC 4426E Business Studies: Accounting
EDUC 4316E Business Studies: Information Management
EDUC 4416E Computer Science
EDUC 4406E English (First Language)
EDUC 4436F French (Second Language)
EDUC 4446E Geography
EDUC 4476E Health and Physical Education
EDUC 4456E History
EDUC 4466E Mathematics
EDUC 4516E Music - Instrumental
EDUC 4486E Religious Studies
EDUC 4486E Science-General
EDUC 4486E Science-General
EDUC 4496E Visual Arts

Senior Electives

+ EDUC4427E Business Studies: Accounting
+ EDUC4317E Business Studies: Information Management
+ EDUC 4417E Computer Science
+ EDUC 4407E English (First Language)
+ EDUC 4437F French (Second Language)
+ EDUC 4447E Geography
+ EDUC 4477E Health and Physical Education
+ EDUC 4457E History
+ EDUC 4467E Mathematics
+ EDUC 4517E Music - Instrumental
+ EDUC 4487E Religious Studies
+ EDUC 4487E Science-Biology
+ EDUC 4537E Science-Chemistry
+ EDUC 4497E Visual Arts

Note: Students who wish to take both the EDUC 4487E Science-Biology (Senior) and EDUC 4537E Science-Chemistry (Senior) will be paired with EDUC 4486E Science-General (Intermediate) and EDUC 4596E Science-Advanced (Intermediate). See Course Descriptions that follow.

Practicum:

EDUC 4355E Observation and Practice Teaching
(Intermediate/Senior).

Option Courses

The Faculty of Education offers to interested students the following option courses. These courses are taken concurrently with the one-year program and are in addition to it. A student may take one of the option courses - French as a Second Language, Part I or Education of Native Canadians.

EDUC 1515F French as a Second Language, Part I
EDUC 4986E Education of Native Canadians

Students may also choose to take the following option:

EDUC 1526E Religious Education in the Roman Catholic
Separate Schools.

Students intending to teach in the Separate School Boards should be aware that preference in hiring will be given to students with a pre-service Religious Education course.

Course Descriptions – Intermediate/Senior

EDUC 4306E Education and Schooling (Intermediate/Senior)

Credits: 3

Education and Schooling (Intermediate/Senior) is designed to enhance the knowledge, understanding, and skill of teacher-candidates in the area of the philosophical, historical, legal, and social context of schooling and education. Through readings, dialogue, observation, seminars, and reflection, you will be encouraged to discover the multifaceted nature of modern classroom teaching and to discover and understand who you are as "teacher". The intent of this course is thus to offer materials and experiences through which a strong foundation for professional teaching can be developed.

EDUC 4307E Educational Psychology and Special Education (Intermediate/Senior)

Credits: 3

In this course, candidates are introduced to the fields of Educational Psychology and Special Education. Topics will be selected from guidance and counselling, human development, theories of learning, cognition in children and adolescents, motivation, and psychological and educational assessment in school settings. An overview of special education services in Canada will be provided, with a focus on Ontario. Candidates will receive an overview of the types of exceptionalities that students may present. An introduction will be provided to the processes used to identify students with exceptionalities and plan individual programs. The range of special education services typically available in school systems will be discussed.

EDUC 4315E Curriculum Methods (Intermediate/Senior)

Credits: 5

The course consists of three separate components - methods, management and computers. The methods component consists of a study of teaching and learning in the Intermediate and Senior Divisions. It includes a range of approaches to develop instruction, implementation and evaluation strategies. The management component identifies management strategies appropriate to the developmental needs of intermediate and senior level learners and the particular situation, uses a practical and theoretical framework for understanding and managing social interactions in the classroom and develops a personal, proactive plan for classroom management. The computer component provides an introduction to the roles of information technology in teaching and learning.

EDUC 4325E Curriculum Development and Evaluation (Intermediate/Senior)

Credits: 5

Students will examine the basis for Curriculum Development in Ontario. This includes a practical examination of the goals of education at the Intermediate/Senior level, the dilemmas in curriculum decision making, the various curriculum orientations that can guide curriculum decision making and the role of the teacher in the process. The focus of this course is on practical application of Intermediate/Senior curriculum development frameworks addressed in Intermediate/Senior electives and Curriculum Methods. Intermediate/Senior students will be involved in planning various units of study for their respective electives,

reviewing program and unit designs from other sources, and discussing integrative relationships within the Intermediate/Senior curriculum at large. Attention will be given to all levels of Intermediate/Senior Divisions based upon an examination of the transition years (grades 7, 8 and 9), and including, general, basic and advanced level program planning. Students will review and discuss issues related to the assessment of student achievement at the Intermediate and Senior levels. This involves the matching of assessment strategies and philosophies to school and curriculum orientation and purpose, implementation of evaluation procedures, test design and construction, and the reporting evaluation results.

EDUC 4355E Observation and Practice Teaching (Intermediate/Senior)

Credits: 5

An examination of the basic components of the practicum including functions, roles, responsibilities and related skills; field experiences conducted in the elementary and secondary schools for the equivalent of thirteen weeks throughout the academic year.

Students are assigned to schools according to their selected divisions of concentration. Associate teachers are selected annually from the staffs of the public and separate schools and certain First Nations' schools.

Electives

Each student in the Intermediate/Senior Division must choose two pairs of teaching electives from the following teaching subjects listed in Schedule A (Ontario Regulation 184/97). The teaching electives chosen must be paired (example: if EDUC 4496E Visual Arts (Intermediate) is chosen, then it must be paired with EDUC 4497E Visual Arts (Senior) as the first elective; if EDUC 4466E Mathematics (Intermediate) is chosen then it must be paired with EDUC 4467E Mathematics (Senior) as the second elective.) One of the two teaching electives must be supported by a minimum of 30 credits (five full undergraduate courses) and the other teachable by a minimum of 18 credits (three full undergraduate courses) in their respective disciplines.

EDUC 4316 E Business Studies: Information Management (Intermediate)

A critical study of the aims, scope and sequence of the Intermediate Division curriculum in Business Studies: Information Management; analysis of Ministry guidelines; practicum

EDUC 4317E Business Studies: Information Management (Senior)

A critical study of the aims, scope and sequence of the Senior Division curriculum in Business Studies: Information Management; analysis of Ministry guidelines; practicum

EDUC 4406E English (First Language) (Intermediate)

Credits: 3

A critical study of the aims, scope and sequence of the Intermediate Division curriculum in English; analysis of Ministry guidelines; practicum.

EDUC 4407E English (First Language) (Senior)

Credits: 3

A critical study of the aims, scope and sequence of the Senior Division curriculum in English; analysis of Ministry guidelines; practicum.

EDUC 4416E Computer Science (Intermediate)

Credits: 3

A critical study of the aims, scope and sequence of the Intermediate Division curriculum in Computer Science; analysis of Ministry guidelines; practicum.

EDUC 4417E Computer Science (Senior)

Credits: 3

A critical study of the aims, scope and sequence of the Senior Division curriculum in Computer Science, analysis of Ministry guidelines; practicum.

EDUC 4426E Business Studies: Accounting (Intermediate)

A critical study of the aims, scope and sequence of the Intermediate Division curriculum in Business Studies: Accounting; analysis of Ministry guidelines; practicum.

EDUC 4427E Business Studies: Accounting (Senior)

A critical study of the aims, scope and sequence of the Senior Division curriculum in Business Studies: Accounting; analysis of Ministry guidelines; practicum.

EDUC 4436F French (Second Language) (Intermediate)

Credits: 3

A critical study of the aims, scope and sequence of the Intermediate Division curriculum in French; analysis of Ministry guidelines; practicum.

A French Language Proficiency Test (see French Language Proficiency Test in the Index) is required.

EDUC 4437F French (Second Language) (Senior)

Credits: 3

A critical study of the aims, scope and sequence of the Senior division curriculum in French; analysis of Ministry guidelines; practicum.

A French Language Proficiency Test (see French Language Proficiency Test in the Index) is required.

EDUC 4446E Geography (Intermediate)

Credits: 3

A critical study of the aims, scope and sequence of the Intermediate Division curriculum in Geography; analysis of Ministry guidelines; practicum.

EDUC 4447E Geography (Senior)

Credits: 3

A critical study of the aims, scope and sequence of the Senior Division curriculum in Geography; analysis of Ministry guidelines; practicum.

EDUC 4456E History (Intermediate)

Credits: 3

A critical study of the aims, scope and sequence of the Intermediate Division curriculum in History; analysis of Ministry guidelines; practicum.

EDUC 4457E History (Senior)

Credits: 3

A critical study of the aims, scope and sequence of the Senior Division curriculum in History; analysis of Ministry guidelines; practicum.

EDUC 4466E Mathematics (Intermediate)

Credits: 3

A critical study of the aims, scope and sequence of the Intermediate Division curriculum in Mathematics; analysis of Ministry guidelines; practicum.

EDUC 4467E Mathematics (Senior)

Credits: 3

A critical study of the aims, scope and sequence of the Senior Division curriculum in Mathematics; analysis of Ministry guidelines; practicum.

EDUC 4476E Physical and Health Education (Intermediate)

Credits: 3

A critical study of the aims, scope and sequence of the Intermediate Division curriculum in Physical and Health Education; analysis of Ministry guidelines; practicum.

EDUC 4477E Physical and Health Education (Senior)

Credits: 3

A critical study of the aims, scope and sequence of the Senior Division curriculum in Physical and Health Education; analysis of Ministry guidelines; practicum.

EDUC 4486E Science – General (Intermediate)

Credits: 3

A critical study of the aims, scope and sequence of the Intermediate Division curriculum in Science; analysis of Ministry guidelines; practicum.

EDUC 4487E Science – Biology (Senior)

Credits: 3

A critical study of the aims, scope and sequence of the Senior Division curriculum in Biology; analysis of Ministry guidelines; practicum.

EDUC 4496E Visual Arts (Intermediate)

Credits: 3

A critical study of the aims, scope and sequence of the Intermediate Division curriculum in Visual Arts; analysis of Ministry guidelines; studio; history; design; and practicum.

EDUC 4497E Visual Arts (Senior)

Credits: 3

A critical study of the aims, scope and sequence of the Senior Division curriculum in Visual Arts; analysis of Ministry guidelines; studio; history; design; practicum.

EDUC 4516E Music – Instrumental (Intermediate)

Credits: 3

A critical study of the aims, scope and sequence of the Intermediate Division curriculum in Music. Students are expected to conduct large ensembles, coach small groups and develop skill playing brass and woodwind instruments; analysis of Ministry guidelines; practicum.

EDUC 4517E Music – Instrumental (Senior)

Credits: 3

A critical study of the aims, scope and sequence of the Senior Division curriculum in Music. Students are expected to conduct large ensembles, coach small groups and develop skill playing brass and woodwind instruments; analysis of Ministry guidelines; practicum.

EDUC 4537E Science-Chemistry (Senior)

Credits: 3

A critical study of the aims and content of the Senior Division curriculum in Chemistry; analysis of Ministry guidelines and appropriate teaching methodologies; practicum.

EDUC 4586E Religious Studies (Intermediate)

Credits: 3

A critical study of the aims, scope and sequence of the Intermediate Division curriculum in Religious Education; analysis of Ministry guidelines; practicum.

Please note that this teaching subject prepares teachers of Religious Education in Roman Catholic schools.

Roman Catholic Boards of Education require that student teachers be of the Catholic faith.

EDUC 4587E Religious Studies (Senior)

Credits: 3

A critical study of the aims, scope and sequence of the Senior Division curriculum in Religious Education; analysis of Ministry guidelines; practicum.

Please note that this teaching subject prepares teachers of Religious Education in Roman Catholic schools. Roman Catholic Boards of Education require that student teachers be of the Catholic faith.

EDUC 4596E Science-Advanced (Intermediate)

Credits: 3

A continuation of a critical study of the Intermediate Division curriculum in Science including an examination of the history and philosophy of Science, Environmental Science, and Technology in Science Education.

Option Courses

The following option courses are offered to interested students. These courses are taken concurrently with the one-year program and are in addition to it. A student may take one of the option

courses -French as a Second Language, Part I or Education of Native Canadians.

EDUC 1515F French as a Second Language, Part I

Credits: 6

Ce cours vise à familiariser l'enseignant, l'enseignante aux principes linguistiques, psychologiques et pédagogiques qui, dans les classes de français de base aussi bien que dans un programme intensif ou d'immersion, soutiennent l'enseignement de la langue seconde aux cycles primaire, moyen, intermédiaire et supérieur. Le cours comprend les techniques principales de l'approche langue seconde, l'étude des matériaux pédagogiques de différents niveaux et différents programmes, l'examen de stratégies d'enseignement et de techniques d'évaluation. On proposera des séances de micro-enseignement, la préparation et l'emploi d'aides didactiques, l'enseignement de la culture, l'étude des recherches pertinentes et des auteurs contemporains. Le candidat qui aura satisfait aux exigences du Ministère de l'Éducation et de la Formation ajoutera une nouvelle qualification French as a Second Language, Part I.

A French Language Proficiency Test (see French Language Proficiency Test in the Index) is required.

EDUC 4986E Education of Native Canadians

Credits: 3

An examination of the cultural and social aspects of Native Canadian life relevant to education; the legal, historical and sociological aspects of Native Canadian education; an introduction to teaching in Native Canadian schools; practicum placement will be provided if possible.

Students may also choose to take the following option:

EDUC 1526E Religious Education in the Roman Catholic Separate Schools

Credits: 3

An introduction to the curriculum concepts which compose the Religious Education curriculum currently in use in the Catholic Schools of Ontario; examination of Scripture, Christian anthropology; psychology of religion; liturgy and Sacraments.

Concurrent Bachelor of Arts/Bachelor of Education

Offered through a partnership between Nipissing University and Wilfrid Laurier University

Beginning in September 2002, Nipissing University and Laurier Brantford will offer an innovative BA/BE program. The new program combines Nipissing's long history of providing a rigorous teacher education program that aims to provide well-prepared teachers for Ontario schools with Laurier's strengths in the liberal arts and sciences.

The new concurrent program will be offered fully at Laurier's Brantford campus. Graduates will receive a Bachelor of Arts degree from Wilfrid Laurier University and a Bachelor of Education degree from Nipissing University. The major for the Bachelor of Arts will be Contemporary Studies, which is available as a general or honours degree, and which can be combined with other majors or minors that include Anthropology,

Communication Studies, English, Geography, Global Studies, History, Indigenous Studies, Mathematics, Philosophy, Political Science, Psychology, Religion & Culture and Sociology. Students wanting to complete a honours degree will be required to complete an additional year of studies.

This joint program will begin as a pilot project in September 2002, with one section of 35 students studying Education in the Junior/Intermediate (J/I) division (grade 4 to grade 10). In September 2003 the program will accept one section of students in the Primary/Junior (P/J) division (junior kindergarden to Grade 6) and two sections in the Junior/Intermediate division, for a total of 105 students.

Requirements for admission consideration to the concurrent program include an OSSD; a minimum average of 75% in six OACs or 12U and/or U/C courses (a minimum of 4 at the U level); a minimum of 60% in a OAC or 12U mathematics course; a minimum of 60% in OAC or 12U English course; and a supplemental evaluation package which includes 2 references (one personal, one professional), an experience profile, and a one page typed statement of personal goals. The supplemental application package will be mailed to all applicants upon the receipt of their application from OUAC and must be returned by the deadline date.

Students wishing to apply to either the P/J or J/I program for September, 2003 can do so on their OUAC 101 application form – Wilfrid Laurier (Brantford).

Nipissing University Advisory Committee on Teacher Education 2001–2002

Appointed by Board of Governors

Ms. Olive Ridler
Near North District School Board
North Bay, Ontario

Mr. Gerald Laronde
Nipissing University
North Bay, Ontario

Appointed by Senate

Dr. Lynn Lemisko
Faculty of Education
Nipissing University

Ms. Paula Barber
Faculty of Education
Nipissing University

Appointed by Ontario Teachers' Federation

Ms. Nancy Kilgour (ETFO)
Near North District School Board
North Bay, Ontario

Andy Gagné (OSSTF)
Near North District School Board
North Bay, Ontario

Ms. Gail Geddes-Bell (OECTA)
Nipissing-Parry Sound Catholic District School Board
North Bay, Ontario

Appointed by Ministry of Education and Training

Ms. Lorna Redwood
Ministry of Education and Training
North Bay, Ontario

Ms. Evelyn Shapka
Ministry of Education and Training
Toronto, Ontario

Appointed by Ontario Public Supervisory Officials' Association

Ms. Bev Moore
Near North District School Board
North Bay, Ontario

Appointed by Ontario Catholic Supervisory Officers' Association

Ms. Kathy Hallett
Nipissing-Parry Sound Catholic District School Board
North Bay, Ontario

Appointed by Northern Centre for Instructional Leadership (NCIL)

Mr. Bob Sampson
NCIL
North Bay, Ontario

Secretary

Dr. Ron Common
Dean of Education
Nipissing University

Ex-Officio

Dr. Ron Wideman
Associate Dean of Education
Nipissing University

Dr. Lorraine Frost

Chair: Graduate Studies
Nipissing University

Dr. Helen Langford

Chair: Primary/Junior Division
Nipissing University

Dr. Sandra Reid

Chair: Junior/Intermediate Division
Nipissing University

Professor Gerald Laronde

Chair: Intermediate/Senior Division
Nipissing University

Recording Secretary

Ms. Mary Lecour
Practice Teaching Placement Officer
Nipissing University

Recording Secretary

Ms. Mary Lecour
Faculty of Education
Nipissing University

Academic Year 2002–2003

Extension Education

Spring Session 2002 – March 25 to June 28

Fri. Mar. 1	Early registration deadline.
Fri. Mar. 15	Spring Session 6-credit or first-term 3-credit courses with insufficient registration will be cancelled at this time.
Mon. Mar. 25	Spring Session classes begin.
Fri. Mar. 29	Good Friday - University closed.
Mon. Apr. 1	Easter Monday - University closed.
Fri. Apr. 5	No registration or course changes for either Spring Session 6-credit or first-term 3-credit courses will be permitted after this date. Students withdrawing from either Spring Session 6-credit or first-term 3-credit courses after this date will receive a "W" on their academic record.
Fri. Apr. 26	Students withdrawing from Spring Session first-term 3-credit courses after this date will receive an "F" on their academic record.
Mon. May 6	Second term Spring Session 3-credit courses begin.
Fri. May 10	Students withdrawing from Spring Session 6-credit courses after this date will receive an "F" on their academic record.
Wed May 15	No registration or course changes for Spring Session second-term 3-credit courses will be permitted after this date. Students withdrawing from Spring Session second-term 3-credit courses after this date will receive a "W" on their academic record.
Mon. May 20	Victoria Day - University closed.
June 7-8	2002 Spring Convocation - Education.
Fri. June 21	Students withdrawing from Spring Session second-term 3-credit courses after this date will receive an "F" on their academic record.
Fri. June 28	Spring Session ends.

Fri. Aug. 9 Applications for **2002 Fall graduation** must be submitted prior to this date.

Note: There is no Fall graduation ceremony. Graduates may attend the Spring Ceremony.

Spring Intensive 2002 Term 4 – May 6 to May 31

Fri. Mar. 29	Early registration date.
Tues. April 2	Classes with insufficient registration will be cancelled at this time.
Mon. May 6	Spring Intensive Term 4 classes begin. No registration or course changes for Spring Intensive courses will be permitted after this date.
Wed. May 8	Students withdrawing from Spring Intensive Term 4 courses after this date will receive a "W" on their academic record.
Fri. May 10	Students withdrawing from Spring Term 4 courses after this date will receive an "F" on their academic record.
Mon. May 20	Victoria Day - University closed.
Mon. May 27	Practicum begins for Spring Intensive courses.
Fri. May 31	Spring Intensive Term 4 course ends.

Spring Intensive 2002 Term 5 – June 3 to June 28

Fri. Mar. 29	Early registration date.
Tues. Apr. 2	Classes with insufficient registration will be cancelled at this time.
Mon. June 3	Spring Term 5 classes begin.
Fri. June 7	No registration or course changes for Spring Intensive Term 5 courses will be permitted after this date. Students withdrawing from Spring Intensive Term 5 courses after this date will receive a "W" on their academic record.
Wed. June 26	Students withdrawing from Spring Intensive Term 5 courses after this date will receive an "F" on their academic record.
Fri. June 28	Spring Intensive Term 5 courses end.

Fri. Aug. 9 Applications for **2002 Fall graduation** must be submitted prior to this date.

Note: There is no Fall graduation ceremony. Graduates may attend the Spring ceremony.

Spring/Summer Session 2002 for Private Study Courses

Private study courses may be delivered using print materials, CD-ROM, or the Internet.

Fri. Mar. 29 Early registration deadline.

Fri. Apr. 12 No registrations or course changes for **six-credit and first term 3-credit courses** are permitted after this date.

Courses with insufficient registrations will be cancelled at this time.

Mon. April 29 **Six-credit and first-term 3-credit** Spring/Summer Session courses begin..

Mon. May 6 Students withdrawing from either Spring/Summer **6-credit or first-term 3-credit courses** after this date will receive a "W" on their academic record.

Fri. May 17 No registrations or course changes for **second-term 3-credit courses** are permitted after this date.

Fri. May 31 Students withdrawing from Spring/Summer **first-term 3-credit courses** after this date will receive an "F" on their academic record.

Mon. June 17 Spring/Summer **second-term 3-credit courses** begin.

Fri. June 28 Students withdrawing from **second-term 3-credit courses** after this date will receive a "W" on their academic record.

Fri. July 12 Students withdrawing from **6-credit courses** after this date will receive an "F" on their academic record.

Fri. July 19 Students withdrawing from **second-term 3-credit courses** after this date will receive an "F" on their academic record.

Fri. Aug. 16 Spring/Summer Session ends.

Summer Session 2002 for On-Site Courses – July 2 to July 26

On-site refers to courses taught in a classroom setting in a lecture format with the instructor present.

Fri. May 31 Courses with insufficient registration will be cancelled at this time. A late

fee will be charged for registrations received after this date.

Mon. July 1 Canada Day - University closed.

Tues. July 2 Summer Session classes begin. No registration or course changes for Summer Session **6-credit or first-term 3-credit courses** will be permitted after this date.

Fri. July 5 Students withdrawing from Summer Session **first-term 3-credit courses or 6-credit courses** after this date will receive a "W" on their academic record.

Tues. July 9 Students withdrawing from Summer Session **first-term 3-credit courses** after this date will receive an "F" on their academic record.

Mon. July 15 Second-term Summer Session **3-credit courses** begin.

No registration or course changes for Summer Session **second-term 3-credit courses** will be permitted after this date.

Wed. July 17 Students withdrawing from Summer Session **second-term 3-credit courses** after this date will receive a "W" on their academic record.

Tues. July 23 Students withdrawing from Summer Session **6-credit or second-term 3-credit courses** after this date will receive an "F" on their academic record.

Fri. July 26 Summer Session ends.

Mon. Aug. 5 Civic Holiday - University closed.

Fri. Aug. 9 Applications for **2002 Fall graduation** must be submitted prior to this date.

Note: There is no Fall graduation ceremony. Graduates may attend the Spring ceremony.

Fall/Winter Session 2002–2003 Private Study and On-Site Courses

First Term 2002

Aug. 31 Early registration deadline.

Fri. Sept. 13 No registration for Fall/Winter private study **6-credit or first-term 3-credit courses** will be permitted after this date.

On-site **6-credit or first-term 3-credit courses** with insufficient registration will be cancelled at this time.

Mon. Sept. 30	On-site 6-credit or first-term 3-credit Fall/Winter Session classes begin during this week.		Applications for graduation at the 2003 Spring Convocation must be submitted prior to this date.
Fri. Oct. 11	Private study 6-credit or first-term 3-credit Fall/Winter Session courses begin. No registration or course changes for on-site Fall/Winter Session 6-credit or first-term 3-credit courses will be permitted after this date. Students withdrawing from Fall/Winter Session 6-credit or first-term 3-credit courses after this date will receive a "W" on their academic record.	Wed., Feb. 26	Students withdrawing from Fall/Winter Session second-term 3-credit courses will receive an "F" on their academic record.
		Fri. Mar. 28	Fall/Winter Session second-term 3-credit courses end.
		Thur. April 11	Students withdrawing from Winter/Spring Session 6-credit courses after this date will receive an "F" on their academic record.
Mon. Oct. 14	Thanksgiving Day - University closed.	Fri. Apr. 18	Good Friday - University closed.
Fri. Nov. 1	Students withdrawing from Fall/Winter Session first-term 3-credit courses after this date will receive an "F" on their academic record.	Mon. Apr. 21	Easter Monday - University closed.
		June 6-7	2003 Spring Convocation - Education.
		Fri. June 27	Winter/Spring Session 6-credit courses end.
Fri. Dec. 27	Fall/Winter first-term 3-credit courses end.		

Second Term 2002

Fri. Nov. 22	Early registration deadline for Fall/Winter second-term 3-credit and Term 9 (6-credit) Winter/Spring Session courses.
Fri. Dec. 6	No registration for Fall/Winter private study 3-credit courses and Term 9 (6-credit) Winter/Spring Session courses will be permitted after this date. On-site Fall/Winter second-term 3-credit courses or Term 9 (6-credit) Winter/Spring session courses with insufficient registration will be cancelled at this time.
Mon. Jan. 6	Fall/Winter Session second-term 3-credit courses and Winter/Spring 6-credit courses begin.
Mon. Jan. 13	No registration or course changes for on-site Fall/Winter Session second-term 3-credit courses or Winter/Spring Session 6-credit courses will be permitted after this date. Students withdrawing from Fall/Winter Session second-term 3-credit courses or Winter/Spring Session 6-credit courses after this date will receive a "W" on their academic record.
Fri. Feb. 7	Students withdrawing from Fall/Winter Session first-term 6-credit courses after this date will receive an "F" on their academic record.

Extension Education

Extension Education courses taken from Nipissing University may be used by candidates for one or more of the following purposes:

- a) Most Education courses are Additional Qualification courses. Upon successful completion they may be recorded as additional qualifications on the candidate's Ontario College of Teachers Certificate of Qualification.
- b) They may also be counted under the new Ontario Teacher Professional Learning Program.
- c) All Extension Education courses are degree credit courses and will appear on the candidate's university transcript.

Some Extension Education courses can lead towards a Degree or Diploma program such as the Bachelor of Education in Extension Program, Diploma in Education, Advanced Bachelors Degree in Education, or Advanced Bachelors Degree in Educational Leadership.

These courses may be offered in the following ways:

- a) on-site at Nipissing University;
- b) off-campus in various communities in Midnorthern and Northeastern Ontario;
- c) through Private Study, where the student works independently and corresponds with the instructor via mail, telephone, fax and/or e-mail.

Charges and Fees

This Calendar is published several months in advance of the academic year. The University reserves the right to change fees and refund policies without notice.

Non-payment of fees may render a student ineligible for registration in future sessions. In addition, students who are in financial arrears to the University will not be issued their transcripts of record, statement of standing or related evidence of their academic progress, nor will they be recommended to the Ontario College of Teachers, until such time that their accounts are clear.

Payment of academic fees does not imply a student's acceptance to the University or approval of their registration. Academic requirements have to be satisfied before registration is completed.

Registrations sent by Fax must be accompanied by a credit card number, expiry date and signature. Verbal credit card authorizations are not permitted.

Instructors and area coordinators are not responsible for forwarding payments to the University.

Course Cancellations

In the event that a course is cancelled by the University, registered students will receive a full refund of their fees.

Early Registration Discount

Students who register early may be eligible for an early registration discount.

Payment of Fees

A minimum deposit payment of \$100.00 per term is due at registration. Individuals not paying full course fees at registration will be responsible for paying the balance of their account using the same method used to pay the initial deposit. For example, if the deposit is authorized to be processed by credit card, the balance will automatically be processed on or after the applicable due date by credit card. Credit card payments that are declined will be subject to the late payment fee of \$35.00. If paying the deposit by cheque, post-dated cheques (dated for the applicable due date) can be sent with the deposit. The balance of fees must be paid by the session start date regardless of the first day of classes.

Total fees payable are calculated in accordance with the fee schedule as published in the Additional Qualifications Courses for Teachers brochure produced annually by the Associate Dean of Education. Payments sent by mail and postmarked by midnight of the deadline date will be accepted without penalty. If payment is sent by mail please ensure that your Nipissing University student number is recorded on the front of the cheque. Students who fail to comply with their payment requirements will be subject to a finance service charge of \$35.

A late payment service charge of \$35 will be levied on all outstanding balances as of the dates noted below for each session (approximately half way through the session). An additional late payment service charge of \$35 may be levied on balances outstanding at the end of the session.

Tuition and fees owing should be paid in full at the time of registration, by cheque, money order, MasterCard or VISA credit card. Verbal credit card authorizations are not permitted. Stopping payment on a cheque presented at registration does not constitute official withdrawal. Any student who issues a cheque for payment to Nipissing University and whose cheque is returned to the University for any reason will be subject to a service charge of \$40 for cheques equal to or greater than \$250.00, and \$20.00 for cheques less than \$250.00. Regardless of the date on the cheque, unless it is received in the Finance Office by the dates specified below, the student will be subject to a late payment service charge of \$35.

Non-payment of fees will render a student ineligible for registration in future sessions. In addition, students who are in financial arrears to the University will not be issued their transcripts of record, statement of standing or related evidence of their academic progress, nor will they be recommended to the Ontario College of Teachers until such time as their accounts are cleared.

Tuition Fees

Current tuition fees for all Extension Education courses are published in the 2002-2003 Additional Qualifications Courses for Teachers brochure, and may be subject to change.

Nipissing University welcomes senior citizens (60 years of age or over as at the date of registration) as students. Regular tuition and incidental fees are applicable for senior citizens, however a tuition fee waiver may be available upon request. Please direct inquiries regarding this waiver to the Financial Aid Office.

Payment Due Dates

To avoid late payment fees, the full course fee is due as of the date specified below - not the start date of the class. Registrations received on or before the early registration date will qualify for the early registration discount.

			Full Balance Due On Or Before This Date		
Spring Session:	Term Code	Early Registration Applies up to This Date	Finance Service Charge Levied After This Date	Finance Service Charge Levied After This Date	Finance Service Charge Levied After This Date
1st Term Courses	4	March 01/02	March 25/02	April 12/02	April 26/02
2nd Term Courses	5	March 01/02	April 29/02	May 24/02	June 14/02
Full Session Courses	1	March 01/02	March 25/02	April 26/02	June 14/02
Spring Intensive Session:					
Full Session Courses	4	March 29/02	April 29/02	May 17/02	May 31/02
Full Session Courses	5	March 29/02	June 10/02	June 17/02	June 28/02
Spring/Summer Session: (Private Study)					
1st Term Courses	1	March 29/02	April 29/02	May 10/02	June 14/02
2nd Term Courses	2	March 29/02	June 10/02	July 5/02	July 26/02
Full Session Courses	0	March 29/02	April 29/02	May 10/02	June 14/02
Summer Session:					
1st Term Courses	6	May 17/02	July 5/02	July 12/02	July 26/02
2nd Term Courses	7	May 17/02	July 5/02	July 16/02	Aug. 9/02
Full Session Courses	2	May 17/02	July 5/02	July 12/02	July 26/02
Fall/Winter Session:					
1st Term Courses	1	Aug. 31/02	Oct. 4/02	Oct. 18/02	Dec. 6/02
2nd Term Courses	2	Nov. 22/02	Jan. 6/03	Feb. 7/03	March 14/03
Full Session Courses (Fall)	3	Aug. 31/02	Oct. 4/02	Jan. 10/03	March 14/03
Full Session Courses (Winter)	9	Nov. 22/02	Jan. 6/03	Feb. 7/03	March 14/03

Other Fees

Service Fees:

Duplicate T2202A Receipt	\$ 5.00
** Transcript Fee	8.00
* Special Final Examinations	56.00
* F.S.L. Testing oral/written	32.00
* FSL Retest	48.00

- * All fees are payable by cash, cheque, or money order
- * * Transcripts may be ordered by fax and charged to your MasterCard or VISA credit card. Along with your request, please include your student number, credit card number, expiry date and signature. Verbal authorizations will not be permitted. Requests should be faxed to the Office of the Registrar at (705) 495-1772.

Statements of Account

If students have an outstanding balance, a statement will be mailed to their permanent address. Please note that statements of accounts are not automatically mailed after each transaction. If you add courses after confirmation of registration, you are financially responsible for those courses. If for some reason students do not receive their statement of account, they are still responsible for paying any outstanding balances by the due dates. Inquiries concerning account balance should be directed to the Finance Office.

Withdrawal and Tuition Fee Adjustment

By registering, students undertake to pay all fees for the entire year regardless of the arrangements made for deferred payments. Students wishing to withdraw from a course or courses must apply to do so on the appropriate form through the Office of the Registrar. Students wishing to withdraw from off-campus courses must submit a letter of withdrawal to the attention of the Office of the Registrar. After the request has been approved by the Associate Dean of Education and returned to the Office of the Registrar, the student is then officially withdrawn and may be eligible for a credit of a portion of tuition fees to their account. The amount of the credit of fees is calculated from the date the withdrawal letter is received by the Office of the Registrar. Tuition fee credits will be calculated according to the schedule (see Tuition Credit Schedule in the Index). If a credit remains on a student's account after all fees are paid, a refund cheque will be issued.

Tuition Credit Schedule

Once a student has officially withdrawn from a course, they may be eligible for a credit of a portion of tuition fees to their account. All course withdrawals are subject to a cancellation fee (6 credit - \$50.00, 3 credit - \$25.00). The following is a withdrawal refund schedule applicable to the remainder of the course registration fee. The amount of the credit is calculated from the date the withdrawal letter is received by the Office of the Registrar. If a credit remains on a student's account after all fees are paid, a refund cheque will be issued. Refund cheques are generally processed four to six weeks after a student has withdrawn and are mailed to the permanent home address.

Spring/Summer Session	Full Session Beginning April	First Term Beginning April	Second Term Beginning June	
Private Study	29/02 (Term 0)	29/02 (Term 1)	17/02 (Term 2)	Credit
Before Session begins	May 6/02	May 6/02	June 28/02	100%
On or before	May 13/02	May 13/02	July 2/02	75%
On or before	June 3/02	May 21/02	July 8/02	50%
On or before	July 12/02	May 31/02	July 19/02	25%
After	July 12/02	May 31/02	July 19/02	0%
Summer Session	Full Session Beginning July 2/02 (Term 2)	First Term Beginning July 2/02 (Term 6)	Second Term Beginning July 15/02 (Term 7)	Credit
Before Session begins	July 5/02	July 5/02	July 15/02	100%
On or before	July 9/02	July 6/02	July 17/02	75%
On or before	July 16/02	July 8/02	July 19/02	50%
On or before	July 23/02	July 9/02	July 23/02	25%
After	July 23/02	July 9/02	July 23/02	0%
Fall/Winter Session	Full Session Fall (Term 3)	First Term Fall (Term 1)	Second Term Winter (Term 2)	Credit
Before Session begins	Oct 14/02	Oct 14/02	Jan 10/03	100%
On or before	Oct 23/02	Oct 18/02	Jan 17/03	90%
On or before	Nov 4/02	Oct 23/02	Jan 31/03	75%
On or before	Nov 22/02	Oct 28/02	Feb 14/03	50%
On or before	Jan 10/03	Oct 30/02	Feb 21/03	40%
On or before	Feb 7/03	Nov 1/02	Feb 26/03	25%
After	Feb 7/03	Nov 1/02	Feb 26/03	0%
Full Session Winter	(Term 9)			Credit
Before Session begins	Jan 10/03			100%
On or before	Jan 17/03			90%
On or before	Feb 14/03			75%
On or before	Feb 28/03			50%
On or before	Mar 14/03			40%
On or before	Apr 11/03			25%
After	Apr 12/03			0%

Example:

Withdrawn at 90% Refund Date, Full Payment Made	
Payment - 6 Credit (Early Registration Fee)	\$780.00
Cancellation Fee	50.00
SUBTOTAL	\$730.00
<hr/>	
Refund Cheque will be in the amount of (730 X 90%)	\$657.00
<hr/>	

Refund Calculations - Quick Reference Guide

(Based on Full Payment):

6-credit - \$780 Paid (Early Registration Fee)

Credit %	Refund
100%	\$.730.00
90%	\$.657.00
75%	\$.547.50
50%	\$.365.00
25%	\$.182.50

6-credit - \$825 Paid

Credit %	Refund
100%	\$.775.00
90%	\$.697.50
75%	\$.581.25
50%	\$.387.50
25%	\$.193.75

3-credit - \$390 Paid (Early Registration Fee)

Credit %	Refund
100%	\$.365.00
90%	\$.328.50
75%	\$.273.75
50%	\$.182.50
25%	\$.91.25

3-credit - \$412.50 Paid

Credit %	Refund
100%	\$.387.50
90%	\$.348.75
75%	\$.290.63
50%	\$.193.75
25%	\$.96.88

How to Apply

Applicants may register at the Office of the Registrar, by mail or by fax, for courses offered through Extension Education. The necessary forms should be requested from the Office of the Registrar. Forms can also be downloaded from the Nipissing University website. Applicants may also register in person at an on-site registration centre in some locations.

Academic Regulations/ Course Information

Academic Changes and Withdrawals

Students wishing to withdraw must submit a letter of withdrawal to the Office of the Registrar prior to the deadline date (see Academic Year (in the Index) for deadlines). After this request has been approved by the Associate Dean of Education and returned to the Office of the Registrar, the student is then officially withdrawn and may be eligible for a credit of a portion of their fees. See Tuition Credit Schedule in the Index.

Academic Dishonesty

The University takes a most serious view of offences against academic honesty such as plagiarism, cheating and impersonation. Penalties for dealing with such offences will be strictly enforced. The complete policy on Academic Dishonesty is in the Policies section of the Calendar (see Policies on Academic Dishonesty section in the Index).

Attendance

Punctual and regular attendance is essential for the successful completion of a course. When absenteeism exceeds 20%, the student may be excluded from writing the final examination or otherwise completing the course.

Auditors

Students who wish to audit Extension Education courses must apply, in writing, to the Associate Dean for approval to register as an auditor.

Class Hours

Six-credit courses (full courses) require a total of 125 hours. Three-credit courses (half courses) require a total of 63 hours of work.

Course Identification

Unless otherwise designated in the course description, a course whose fourth digit is 0 or 5 will have the value of six credits, and courses whose fourth digit is 1, 2, 6, or 7, will have the value of three credits.

Course Load

Only six credits may be taken in any one session. Applications for overload should be directed to the Office of the Associate Dean of Education.

Deadlines

See Extension Education - Academic Year 2002-2003 (see Extension Education in the Index).

Final Examinations

Final examinations may be scheduled during the day or evening. Students unable to write a final examination because of illness or other circumstances beyond their control, or whose performance on the examination was impaired by such circumstances, may, on application, be granted permission to write a special final examination. Such applications must:

- a) be made in writing to the Associate Dean of Education not later than one week after the date of the examination; and
- b) be fully supported in the cases of illness by a medical certificate or by appropriate documents in other cases.

Final examinations for courses offered through distance education (i.e. Private Study or Contact North), can be held in the student's home community, at a time agreed to by the instructor. Students will make arrangements for their own proctors, and advise their instructor of proctors' names and addresses well in advance of the exam date.

Special Final Exams

Students who fail to take a final examination for justifiable reasons may present, through the Associate Dean of Education, a petition for a special examination. The petition must be filed within one week of the day of the regular examination. A fee for a special final examination will be levied to cover the expenses entailed.

Review of Final Examination Marks

Students may apply to the Office of the Registrar to view their final examination paper. Upon request by the student and at a time mutually agreed upon by the instructor and student, the instructor will review the examination paper in the presence of the student. The closing date to request reviews is one month after the release of marks.

French as a Second Language Proficiency Testing

All candidates who have not completed their Bachelor of Education degree at a French faculty, and who wish to take French as a Second Language Part I must successfully complete the French Language Proficiency Test. The test consists of an oral interview of approximately fifteen minutes with two evaluators. The written test consists of 75 grammar questions and a paragraph for style. The passing mark is 75% on both the oral and written components. A testing fee of \$32 (non-refundable), payable to Nipissing University at the Finance Office is required.

Grades and the Basis for Assessment

Each course may have a final examination worth a minimum 30% or a maximum of 70% in each course, as well as at least one major assignment. Students' grades in each course will be based upon the course work and the final examination. The course instructor will discuss with the class the basis for assessment, specifying the relative weight of each examination, test, lab report and essay. The instructor will also specify which assignments must be completed in order to receive a grade in the course. The final marks used by Nipissing University are the

only ones accepted as binding on the University. The instructor is required to return to students all written work, other than final examinations, which have been submitted for evaluation purposes.

Incomplete Grades

In exceptional circumstances, a student may request consideration for an Incomplete grade (I). Such request must be submitted in writing, through the instructor to the Associate Dean, together with the reasons for the request.

Any student assigned an Incomplete grade must complete all course requirements within one month after the end of the examination period. If after that period the course is not completed or an extension has not been granted by the Associate Dean, a grade "F" will be recorded on the student's academic record.

In order to be considered for an extension of the completion date beyond the normal one-month period, a student must submit a written request to the Associate Dean, through the instructor, explaining the reasons for such an extension. Under no circumstances may a completion date exceed six months from the end of the examination period.

Petitions and Appeals

See Guidelines for the Operation of the Senate Admissions, Petitions, and Promotions Committee see Guidelines for the Operation of the Senate Admissions, Petitions, and Promotions Committee in the Index), or Guidelines for the Operation of the Student Grade Appeals and Petitions Committee (see Guidelines for the Operation of the Student Grade Appeals and Petitions Committee in the Index).

Release of Final Marks

Final marks are withheld from students who have an outstanding account at the University or Library, and such students will forfeit their right to appeal grades. In addition, recommendation to the Ontario College of Teachers will be withheld for those students who are in financial arrears to the University, who have not submitted the required admission documentation, or who have not returned borrowed University course material.

Transcript of Records

Requests for official transcripts must be made through the Office of the Registrar. The fee for transcripts is \$8, and is due before the request is processed. Transcripts must be requested in writing or in person; telephone requests will not be accepted.

Writing Competency Requirement for Diploma in Education Students

For complete details of the Writing Competency Requirement for Diploma in Education Students, please refer to that Policy section of the Calendar (see Writing Competency Requirement for Diploma in Education Students in the Index).

Advanced Bachelors Degree in Education Degree Program

The Advanced Bachelors Degree in Education is available to fully qualified teachers who already hold a Bachelor of Education Degree and are taking additional qualification courses.

Admission Requirements

Candidates must hold a minimum of an approved undergraduate degree and a Bachelor of Education degree from an accredited university and an Ontario Certificate of Qualification or equivalent. A 70% average in the undergraduate degree is required for admission.

Applicants with a 65 to 69% average may be offered admission after review by the In-Service Education Committee. Upon the committee's recommendation, admission for such applicants will be conditional on attaining 70% or better on the first six credits of study.

Students may request that previously completed Additional Basic Qualification courses, Honour Specialist Qualification courses, One-session Qualification courses, and Three-session Specialist courses be transferred into the program to a maximum of eighteen credits. However, these courses must be credit courses from a recognized university (i.e., recorded on the university transcript with credit value assigned). Only six of the eighteen credits may be credit courses from a university other than Nipissing.

The transferred courses may include Nipissing University Professional Development for Teachers courses from Groups One, Two, Three, or Four. Transferred courses must be no more than seven years old at the time of graduation and may not have been used to complete another degree.

Degree Requirements

Students must complete either:

- a) two Group Four Three-session Specialist Qualifications; or
- b) one Group Four Three-session Specialist Qualification plus any eighteen credits from:
 - Group One - Additional Basic Qualifications
 - Group Two - Honour Specialist Qualifications
 - Group Three - One-session Qualifications, and/or
 - Group Four - Three-session Specialist Qualifications.

This represents a minimum of 36 credits. Only courses completed within seven years of the date of graduation will be counted.

Single and Combined Foci

The Advanced Bachelors Degree in Education enables the candidate to go beyond their Bachelor of Education degree to focus on one or two areas of curriculum, teaching, and learning. The areas of focus are the Group Four Three-Session Qualifications as follows:

- Computers in the Classroom;
- Computer Studies- Computer Science;

- Cooperative Education;
- Dramatic Arts;
- English as a Second Language;
- Environmental Science;
- French as Second Language;
- Guidance;
- Intermediate Education;
- Junior Education;
- Librarianship;
- Mathematics in Primary/Junior Education;
- Media;
- Music-Instrumental;
- Music-Vocal (Primary/Junior);
- Native as a Second Language;
- Physical and Health Education (Primary/Junior);
- Primary Education;
- Reading;
- Religious Education;
- Science in Primary/Junior Education;
- Special Education;
- Visual Arts.

Admission and Registration Procedures

To apply for admission to the Advanced Bachelors Degree in Education program, candidates must complete the Application for Admission - Advanced Bachelors Degree in Education form, and:

- a) provide official transcripts showing completion of an approved undergraduate degree and a Bachelor of Education degree or the equivalent. Official transcripts must be mailed to the Office of the Registrar. They cannot be photocopied or faxed.
- b) provide a copy of their Certificate of Qualification or equivalent.

Individual courses toward the Advanced Bachelors Degree in Education are described in the Extension Education section of the Academic Calendar (Professional Development for Teachers, Groups One, Two, Three, and Four). To register for individual courses, complete the Registration for Part-Time Education Programs form and submit the required documentation as described for that course.

Good Academic Standing

Students in the program are in good academic standing if they have:

- a) satisfied all conditions of admission;
- b) attained a grade of at least 60% on all courses taken in the program;

Required Withdrawal from the Program

Students in the Advanced Bachelors Degree in Education Program will be required to withdraw from the program if one or more of the following apply:

- a) they have been granted special admission with an academic average below 70% and have not attained at least 70% on their first 6 credits;
- b) they attain less than 60% on any course.

Students who are required to withdraw from the program may petition the Senate Committee on Admissions, Promotions, and Petitions for re-admission after one calendar year.

Advanced Bachelors Degree in Educational Leadership Program

The Advanced Bachelors Degree in Educational Leadership is available to fully qualified teachers who already hold a Bachelor of Education Degree and are preparing themselves to be school administrators.

Admission Requirements

Candidates must hold a minimum of an approved undergraduate degree and a Bachelor of Education degree from an accredited university, an Ontario Certificate of Qualification or equivalent, and meet requirements for admission to the Principals' Qualification Program. A 70% average in the undergraduate degree is required for admission.

Applicants with a 65 to 69% average may be offered admission after review by the In-Service Education Committee. Upon the committee's recommendation, admission for such applicants will be conditional on attaining 70% or better on the first six credits of study.

Students may request that previously completed Additional Basic Qualification courses, Honour Specialist Qualification courses, One-session Qualification courses, and Three-session Specialist courses be transferred into the program to a maximum of twelve credits. However, these courses must be university credit courses from a recognized university (i.e., recorded on the university transcript with credit value assigned). Only six of the twelve credits may be credit courses from a university other than Nipissing.

The transferred courses may include Nipissing University Professional Development for Teachers courses from Groups One, Two, Three, or Four. Transferred courses must be no more than seven years old at the time of graduation and may not have been used to complete another degree.

Degree Requirements

To be eligible to graduate, candidates must complete:

- EDUC 4000E - Principals' Qualification Program, Part I (6 credits)
- EDUC 4005E - Principals' Qualification Practicum Independent Study (6 credits)
- EDUC 4010E - Principals' Qualification Program, Part II (6 credits)

Up to twelve credits from Groups 1, 2, 3, 4, and 5

At least six credits of school leadership courses from:

- EDUC 4997E - Data based Decision Making (3 credits)

- EDUC 4996E - Organization Development (3 credits)
- EDUC 4956E - Staff Development (3 credits)
- EDUC 4957E - Community/School Relationships (3 credit)
- EDUC 4976E - School Leadership A/B (3 credits)
- EDUC 4972E - School Leadership C/D (3 credits)

This represents a minimum of 36 credits. Only courses completed within seven years of the date of graduation will be counted.

Admission and Registration Procedures

To apply for admission to the Advanced Bachelors Degree in Educational Leadership program, candidates must complete the Application for Admission - Advanced Bachelors Degree in Educational Leadership form, and:

- a) Provide official transcripts showing completion of an approved undergraduate degree and a Bachelor of Education degree or the equivalent. Official transcripts must be mailed to the Office of the Registrar. They cannot be photocopied or faxed.
- b) Provide a copy of their Certificate of Qualification or equivalent.
- c) Provide evidence of completion of the requirements for admission to EDUC 4000E, Principals' Qualification Program, Part I. These requirements are found in the Extension Education section of the Academic Calendar, Professional Development for Teachers courses, Group Six.

Individual courses toward the Advanced Bachelors Degree in Educational Leadership are described in the Extension Education section of the Academic Calendar (Professional Development for Teachers, Groups One, Two, Three, Four, Five, Six and Seven). To register for individual courses, complete the Registration for Part-Time Education Programs form and submit the required documentation as described for that course. It is strongly recommended that candidates complete EDUC 4000, 4005 and 4010 before enrolling in elective courses.

Good Academic Standing

Students in the program are in good academic standing if they have:

- a) satisfied all conditions of admission;
- b) attained a grade of at least 60% on all courses taken in the program;

Required Withdrawal from the Program

Students in the Advanced Bachelors Degree in Educational Leadership Program will be required to withdraw from the program if one or more of the following apply:

- a) they have been granted special admission with an academic average below 70% and have not attained at least 70% on their first 6 credits;
- b) they attain less than 60% on any course.

Students who are required to withdraw from the program may petition the Senate Committee on Admissions, Promotions, and Petitions for re-admission after one calendar year.

Bachelor of Education in Extension Degree Program

The Extension Education Bachelor of Education degree may be acquired in one of two ways:

Program 1 enables those educators who possess a recognized bachelor's degree and a Certificate of Qualification to obtain a Bachelor of Education degree. Candidates will be recommended to the Ontario College of Teachers for an additional qualification if the grade achieved in the course is 60% or over.

Program 2 enables those educators who possess a recognized bachelor's degree but who do not have a Certificate of Qualification to obtain a Bachelor of Education degree.

Note: An Ontario Certificate of Qualification (formerly Ontario Teacher's Certificate) will not be granted to those students who complete Program 2, nor will these courses be credited towards a Certificate of Qualification.

Admission Requirements

Program 1

The following admission criteria must be met with supporting documentation:

- the Ontario Certificate of Qualification or its equivalent documentation;
- an approved undergraduate degree from an accredited university.

Program 2

- an approved undergraduate degree from an accredited university.

Degree Requirements

To graduate with a BEd in Extension degree, students must:

- successfully complete 30 credits offered by the Nipissing University Faculty of Education, in no more than 48 credit attempts;
- complete each course presented for the degree with a minimum grade of 60%;
- attain a minimum overall average of 70% on all courses presented for the degree;
- complete all required courses after no more than two attempts in any one course.

Program 1

- Students may choose from any Education Extension courses offered by Nipissing University; or

Program 2

- 12 credits (i.e. EDUC 4765E - Instructional Strategies and EDUC 4895E - Curriculum Planning) are required courses;
- Students may only choose from the Education Extension courses described in Group Three, Group Four (Part I courses only) and Group Five - Bachelor of Education Courses offered by Nipissing University.

Diploma in Education Program

The Diploma in Education program is designed for anyone working in the field of education, such as literacy tutors, classroom assistants, human resources personnel, etc. Students require an Ontario Grade 12 diploma, or equivalent, for admission.

Diploma Requirements

To obtain a Diploma in Education, students must:

- successfully complete 30 credits offered by the Nipissing University Faculty of Education, in no more than 48 credit attempts. Only courses from Group Five - Bachelor of Education and Diploma in Education Courses will be accepted;
- complete each course presented for the diploma with a minimum grade of 60%;
- attain a minimum overall average of 70% on all courses presented for the diploma;
- complete all courses presented for the diploma after no more than two attempts in any one course;
- complete the following two required courses (12 credits):
EDUC 4765E - Instructional Strategies
EDUC 4895E - Curriculum Planning
- complete the University Writing Competency Requirement (see Writing Competency Requirement in the Index) in the English language with a grade of 1 or 2, within the first 12 credits.

Admission and Registration Procedures

- complete the Application for Admission (Part-time) which is available from the Office of the Registrar, if you are new to the program;
- complete the Registration for Part-time Education Programs form, which may be obtained from the Office of the Registrar;
- provide proof of successful completion of Ontario Grade 12 (or equivalent). An official transcript must be mailed to the Office of the Registrar. It may not be photocopied or faxed.

Graduation

Students must complete an Application for Graduation form, available from the Office of the Registrar, when they are taking their final course(s).

Forms must be returned to the Office of the Registrar by the deadline specified in the Academic Year section of the Academic Calendar. Applications received after the deadline will be applied to the following graduation year.

Students who are unable to attend the Convocation ceremony (the date is indicated in the Academic Year section of the Academic Calendar) should request on their Application for Graduation that the degree be conferred in absentia.

Students who go on to obtain an approved undergraduate degree from an accredited university within six years of completing the Diploma in Education may apply to graduate from Nipissing University with a Bachelor of Education degree (Program 2). The BEd in Extension (Program 2) will not lead to the granting of a Certificate of Qualification, nor will courses taken in this program or the Diploma in Education program be credited towards an Ontario Certificate of Qualification.

Professional Development for Teachers

All education extension courses are degree credit courses. Courses with this symbol (*) lead to a degree credit and are recognized by the Ontario College of Teachers. Nipissing University is an approved provider of courses for the Professional Learning Program.

To be recommended to the Ontario College of Teachers for an additional qualification, a mark of 60% or over is required in a course.

Note: For those students who have an Ontario Certificate of Qualification and are working towards an undergraduate degree, courses taken through Extension Education may be credited towards a BEd in Extension, provided they have been completed within a period of four years prior to completion of the undergraduate degree.

All courses are not always available. Detailed course listings are available in the Nipissing University Additional Qualifications Courses for Teachers booklet and on the Nipissing University website. The university reserves the right to amend offerings, limit enrolment and cancel courses.

Admission Requirements

See admission requirements specified under each group of course offerings.

Admission and Registration Procedures

For registration in courses from Groups One to Five offered through Education Extension, applicants must:

- complete the Registration for Part-time Education Programs form which is available from the Office of the Registrar;
- provide a photocopy of their Ontario Certificate of Qualification, Interim Certificate or equivalent documentation. A Letter of Acknowledgement of Additional Qualification, issued by the Ontario College of Teachers, will be accepted as proof of qualifications not currently shown on the Certificate of Qualification or Interim Certificate when submitted with a copy of the student's Certificate or Interim Certificate of Qualification;
- applicants registering for Additional Basic Qualifications courses or Honour Specialist Qualification courses must provide an official transcript confirming the completion of

an approved undergraduate degree from an accredited university;

- for registration in a Part II course, applicants must provide proof of completion of Part I and, similarly, for registration in a Part III course applicants must provide proof of completion of Part II. This proof must be either an Ontario Certificate of Qualification (or a photocopy) or a letter from the Ontario College of Teachers verifying their eligibility for the course. **No other documentation is acceptable for this purpose;**
- applicants registering in Part II courses must submit evidence of at least one year of successful teaching experience in Ontario certified by the appropriate supervisory officer, or of at least one year of successful teaching experience outside Ontario certified by the appropriate supervisory official;
- applicants registering in Part III (Specialist) courses must submit evidence of at least two years of successful teaching experience, including at least one year of experience in Ontario in the subject of the course, certified by the appropriate supervisory officer and, if some of the experience was outside Ontario, by the appropriate supervisory official.

Note: It is the student's responsibility to meet certification requirements as stipulated by the Ontario College of Teachers.

Group One – Additional Basic Qualifications

These one-session courses are offered to holders of the Ontario Certificate of Qualification who wish to acquire qualifications in an additional division.

Applicants must:

- hold or be deemed to hold an Ontario Certificate of Qualification or an Interim Certificate of Qualification; **and**
- hold an approved undergraduate degree from an accredited university, and subject prerequisites for the Intermediate Division and Senior Division.

***EDUC 4605E Education in the Primary Division**

Credits: 6

The Primary Division: influences of philosophical, psychological and sociological foundations; curriculum guidelines established by the Ministry of Education and Training; curriculum development in each of the major areas of the Primary Division program; the aims, scope, sequence and structure of each curriculum area; media and materials particular to each curriculum area; instructional techniques; practicum. Successful students will be recommended for the Ontario College of Teachers additional basic qualification for the Primary Division.

***EDUC 4615E Education in the Junior Division**

Credits: 6

The Junior Division: influences of philosophical, psychological and sociological foundations; curriculum guidelines established by the Ministry of Education and Training; curriculum development in each of the major areas of the Junior Division program; the aims, scope, sequence and structure of each subject area;

media and materials particular to each subject area; instructional techniques; practicum. Successful students will be recommended for the Ontario College of Teachers additional basic qualification for the Junior Division.

***Education in the Intermediate Division**

Prerequisite: 18 university credits (three full courses) in subject area.

Credits: 6

The Intermediate Division: influences of philosophical, psychological and sociological foundations; curriculum guidelines established by the Ministry of Education and Training; curriculum development in each of the major areas of the Intermediate Division program; the aims, scope, sequence, and structure of each subject area; media and materials particular to each subject area; instructional techniques; practicum. Successful students will be recommended for the Ontario College of Teachers additional basic qualification for the Intermediate Division.

Students must choose from the following subject areas:

EDUC 4015E English (First Language)
 EDUC 4025F French (Second Language)
 EDUC 4035E Geography
 EDUC 4045E History
 EDUC 4055E Mathematics
 EDUC 4065E Music - Instrumental
 EDUC 4075E Physical and Health Education
 EDUC 4085E Science General
 EDUC 4095E Visual Arts

Note:

- English - English remedial courses will not be considered.
- French -Candidates who choose French as a teaching subject must also successfully complete the French Language Proficiency Test (both oral and written components).
- Instrumental Music, Visual Arts - Applicants who choose Instrumental Music or Visual Arts as a teaching subject must have a minimum of three full undergraduate performance or studio courses (18 credits) respectively.
- Mathematics - Only Mathematics courses with OAC prerequisites will be considered.

***EDUC 4636E Education in the Senior Division: Core**

Prerequisite: A minimum of 30 university credits (five full courses) in a teachable subject area is required for the first elective and 18 university credits (three full courses) in a teachable subject area for each additional elective

Credits: 3

The Senior Division: influences of philosophical, psychological and sociological foundations of curriculum; curriculum guidelines established by the Ministry of Education and Training; curriculum development in teachable subject concentrations of the Senior Division; the aims, scope, sequence and structure of teachable subject concentrations; media and materials particular to the teachable subject concentrations; instructional techniques; practicum.

Note: To be recommended for the Ontario College of Teachers additional basic qualification for the Senior Division, students must successfully complete EDUC 4636E and one elective for the Senior Division from the following list. (3 cr.):

EDUC 4407E English (First Language)
 EDUC 4417E Computer Science
 EDUC 4427E Business Studies: Accounting
 EDUC 4437F French (Second Language)
 EDUC 4447E Geography
 EDUC 4457E History
 EDUC 4467E Mathematics
 EDUC 4477E Physical and Health Education
 EDUC 4487E Science - Biology
 EDUC 4497E Visual Arts
 EDUC 4517E Music - Instrumental
 EDUC 4527E Science - Physics
 EDUC 4537E Science - Chemistry
 EDUC 4547E Science - Environmental Science
 EDUC 4557E Individual and Society
 EDUC 4567E Music - Vocal
 EDUC 4577E Dramatic Arts
 EDUC 4597E Science - General

Note:

- Business Studies: Accounting - A first teaching subject requires three full undergraduate courses from the specific subject area and two additional full undergraduate courses from a related business area. A second teaching subject requires two full undergraduate courses from the specific subject area and one additional full undergraduate course from a related business area.
- English - English remedial courses will not be considered.
- French - Candidates who choose French as a teaching subject must also successfully complete the French Language Proficiency Test (both oral and written components).
- Instrumental Music, Visual Arts - Applicants who choose Instrumental Music or Visual Arts as a teaching subject must have a minimum of three full undergraduate performance or studio courses (18 credits) respectively.
- Mathematics - Only Mathematics courses with OAC prerequisites will be considered

Group Two – Honour Specialist Qualification

Applicants must:

- hold an Ontario Certificate of Qualification or Interim Certificate of Qualification;
- hold an acceptable Bachelor of Arts or Bachelor of Science degree from an accredited university in a program that requires four years of university academic study, or the equivalent of a minimum 20 full university courses (120 credits); and in which the candidate has obtained at least second class or equivalent standing ("B" average - 70%) in at least 9 full university courses (54 credits) in the subject for which the candidate seeks qualification;
- show evidence of at least two years of successful teaching experience including at least one year of experience in Ontario, certified by the appropriate supervisory officer and at least one year of experience in the subject in which the Honour Specialist qualification is sought. University course work used for basic certification cannot count towards Honour Specialist requirements (i.e., additional qualification courses or any courses that are part of pre-service education).

***Honour Specialist**

Credits: 6

An examination of a particular curriculum subject from Kindergarten to Grade 12/OACs. Emphasis on learning theory, developmental needs and effective teaching methods pertinent to the subject specialization. A review and evaluation of curriculum development, materials, the analysis of relevant Ontario College of Teachers support documents and other instructional packages related to the discipline studied. Candidates may elect to direct the study of their subject specialization at a particular divisional level.

The Honour Specialist subject concentration will be selected from:

EDUC 4410E Dramatic Arts
 EDUC 4420E English (First Language)
 EDUC 4430F French (Second Language)
 EDUC 4440E Geography
 EDUC 4450E History
 EDUC 4460E Biology
 EDUC 4470E Chemistry
 EDUC 4480E Physics
 EDUC 4490E Mathematics
 EDUC 4510E Music
 EDUC 4520E Physical and Health Education
 EDUC 4530E Visual Arts
 EDUC 4540E Science General
 EDUC 4550E Computer Science
 EDUC 4560E Environmental Science
 EDUC 4570E Business Education

Group Three – One-Session Qualifications

Applicants must:

- hold or be deemed to hold an Ontario Certificate of Qualification or an Interim Certificate of Qualification.

***EDUC 1455E Teaching Writing**

Credits: 6

An intensive study of the writing process; expressive transactional and poetic writing for students and teachers: the relationship of writing to other aspects of language. An extensive study of current trends, problems and procedures in teaching writing; student writing files. Successful students will be recommended for the Ontario College of Teachers additional qualification TCHG WRITING.

***EDUC 1475E The Associate Teacher**

Credits: 6

An examination of the role of the associate teacher in the teacher education practicum; a review of innovations in teacher education. Successful students will be recommended for the Ontario College of Teachers additional qualification ASSOC TEACHER.

***EDUC 4705E Childhood Education**

Credits: 6

This one session course, for educators interested in updating and refining their skills in Childhood Education, will focus on the education of children from four to eight years of age. Within the parameters of this course, candidates may individualize their

study at either the full age span, the four to six age span or the six to eight age span. In addition to a study of development ages, the learning environment, curriculum areas and evaluation, the course examines the importance in the total school program of multicultural education, sex role stereotyping, early identification, community and school, and child abuse. Successful students will be recommended for the Ontario College of Teachers additional qualification CH ED.

***EDUC 4715E Adult Education**

Credits: 6

Candidates are introduced to current theories and practices in Adult Education, with particular reference to Ministry of Education and Training and Boards of Education policies and programs. These areas include: an overview of the network of community and social agencies co-ordinating and providing Adult Education services: an understanding of the design and related teaching evaluation strategies: and a knowledge of resources and learning materials suitable for adult learners. Successful students will be recommended for the Ontario College of Teachers additional qualification ADULT ED.

***EDUC 4985E Teacher of Native Children**

Credits: 6

Study of the legal, historical and sociological aspects of Native Canadian education; survey of policy papers and documentation relating to Native Canadian education; competencies in curriculum design; instructional methodologies pertinent to Native Canadian education; awareness of theories and competencies applicable to teaching English as a second language; design of evaluation techniques; study of the cultural, social, spiritual aspect of Native Canadian life relevant to education; practicum. Successful students will be recommended for the Ontario College of Teachers additional qualification TCHR-NAT CHIL.

Group Four – Three-Session Qualifications – Part I, II, III (Specialist)

First Session, Part I – Applicants must:

- hold or be deemed to hold an Ontario Certificate of Qualification or an Interim Certificate of Qualification; in the case of Primary Education, Junior Education, and Intermediate Education, the candidate's Ontario Certificate of Qualification must have an entry for the area of concentration for the corresponding division.

Second Session, Part II – Applicants must:

1. have successfully completed the first session or the equivalent thereof of the three-part Specialist course in the subject; and
2. submit evidence of at least one year of successful teaching experience in Ontario certified by the appropriate supervisory officer or at least one year of successful teaching experience outside Ontario certified by the appropriate supervisory official.

Third Session, Part III (Specialist)

Applicants must:

1. have successfully completed the second session or the equivalent thereof of the three-part Specialist course in the subject; and
2. submit evidence of at least two years of successful teaching experience, one of which must be in Ontario, and at least one year experience included in the subject as certified by the appropriate supervisory officer.

Computers In The Classroom

***EDUC 1495E Computers in the Classroom, Part I**

Credits: 6

This course is designed to give educators an overview of the use of computers in education. The central theme will relate to teaching about computers, computer literacy and teaching with the aid of a computer. Emphasis will be placed on the pedagogical basis for computer learning. Examples will be drawn from a variety of subject areas in both the elementary and secondary levels. Successful students will be recommended for the Ontario College of Teachers additional qualification COMP CLASS 1.

***EDUC 2495E Computers in the Classroom, Part II**

Prerequisite: Computers in the Classroom, Part I
Credits: 6

This course is built on the concepts developed in EDUC 1495E Computers in the Classroom, Part I. Further programming and teaching techniques will be stressed. Intensive study of the pedagogical and psychological basis for computerized learning will be undertaken. Every student will produce an instructional program. Relevant Ministry professional documents will be examined. Successful students will be recommended for the Ontario College of Teachers additional qualifications COMP CLASS 2.

***EDUC 3495E Computers in the Classroom, Part III (Specialist)**

Prerequisite: Computers in the Classroom, Part II
Credits: 6

This course is designed for teachers who wish to develop expertise in the evaluation, design and production of computer assisted instructional materials. Emphasis will be placed on developing skills in: educational design including instructional development, programmed learning, designing support materials, and evaluation techniques. A study of leadership skills to integrate computers into educational settings. Every student will produce and field test an instructional package that includes a program, written support material and a teacher guide. Successful students will be recommended for the Ontario College of Teachers additional qualification COMP CLASS SPEC.

Computer Studies – Computer Science

***EDUC 1555E Computer Studies – Computer Science, Part I**

Prerequisite: Basic certification in general studies at the Intermediate or Senior Division
Credits: 6

This introductory course will focus on acquiring a thorough understanding of the Ministry guidelines and documents related to Computer Studies. In addition, communication skills, assessment, programming, software applications, computer design, and change theory will be addressed. Successful candidates will

be recommended to the Ontario College of Teachers for the additional qualification COMP ST (SC)-1.

***EDUC 2555E Computer Studies – Computer Science, Part II**

Prerequisite: Computer Studies – Computer Science, Part I
Credits: 6

This course emphasizes lesson development implementation and evaluation skills. Programming, computer design, computer language, and recent developments in technology and communication strategies will also be addressed. Successful candidates will be recommended to the Ontario College of Teachers for the additional qualification COMP ST (SC)-2.

***EDUC 3555E Computer Studies – Computer Science, Part III (Specialist)**

Prerequisite: Computer Studies – Computer Science, Part II
Credits: 6

This summative course stresses skills necessary for a candidate to provide leadership in Computer Studies. Curriculum development and implementation, leadership skills, school organization, interdisciplinary application, and personal research in Computer Studies will be addressed. Successful candidates will be recommended to the Ontario College of Teachers for the additional qualification COMP ST (SC)-SPEC.

Co-operative Education

***EDUC 1335E Co-operative Education, Part I**

Credits: 6

Co-operative Education is a method of learning which blends in-school instruction with out-of-school work experiences in co-operation with organizations and institutions in the community. Part I is designed for teachers who wish to acquire the management and organizational techniques necessary to involve their classes in such ventures. Topics in the course include an historical overview of Co-operative Education (with particular attention to Ministry of Education and Training policies and guidelines), the development of consulting and monitoring skills, an examination of legal and ethical practices of Co-operative Education and a study of the psychology and sociology of work. Also to be examined is the design of classroom-based, Co-operative Education programs. Successful students will be recommended for the Ontario College of Teachers additional qualification CO-OP ED-1.

***EDUC 2335E Co-operative Education, Part II**

Prerequisite: Co-operative Education, Part I
Credits: 6

This course addresses the political, economic and educational implications of developing and implementing Co-operative Education programs with emphasis on the understanding of community, school and work site reactions to the concept of Co-operative Education. The course also deals with integrating Co-operative Education into the regular school program, school advisory committees, techniques to promote Co-operative Education, and program evaluation and modification. Successful students will be recommended to the Ontario College of Teachers for the additional qualification CO-OP ED-2.

***EDUC 3335E Co-operative Education, Part III (Specialist)**

Prerequisite: Co-operative Education, Part II
Credits: 6

This course particularly concerns planning and co-ordinating Co-operative Education Programs (including in-school and out-of-school components) at school and board levels. Attention is given to theories and models of program change, knowledge of the current and future world of work and skills necessary for leading workshops to educate and train others (teachers, parents, site supervisors) concerning Co-operative Education. Successful students will be recommended to the Ontario College of Teachers for the additional qualification CO-OP ED-SPEC.

Design and Technology

***EDUC 1465E Design and Technology, Part I**
Credits: 6

This introductory course will focus on acquiring a thorough understanding of the Ministry guidelines and documents related to Design and Technology. In addition, the curriculum will stress an integration of science, mathematics and technology. Course components will include the design process, a knowledge of tools and materials, safe practice in the work place, energy, and mechanical, structural, pneumatic and hydraulic, electronic, and control systems. Content will be project driven and team technology challenges will be an integral part of the course. Successful students will be recommended to the Ontario College of Teachers for the additional qualification Design and Technology, Part I.

***EDUC 2465E Design and Technology, Part II**
Prerequisite: Design and Technology, Part I, or equivalent.
Credits: 6

Building on the work begun in Part I of this program, a focus of this course will be on the development of a thorough understanding of project selection, design, management and assessment. There will also be an emphasis on fostering creative thinking in the design process by both individuals and groups. A second focus of this course will be on the development of curriculum units for both the Intermediate and Senior Divisions. Successful students will be recommended to the Ontario College of Teachers for the additional qualification Design and Technology, Part II.

Dramatic Arts

***EDUC 1425E Dramatic Arts, Part I**
Credits: 6

An introduction to expression through drama; mime, improvisation, dramatic exercises in concentration, sensitivity, interpretation and creativity; of the pedagogical application of such forms of expression. Students who successfully complete the course will be recommended to the Ontario College of Teachers for the additional qualification DR ARTS-1.

***EDUC 2425E Dramatic Arts, Part II**
Prerequisite: Dramatic Arts, Part I
Credits: 6

This course examines drama as a methodology and as a subject in the school curriculum. Candidates will participate in advanced work in movement and mime, improvisation, puppetry, and play-making. Current theories of drama in education will be studied with intensive work on curriculum planning. A variety of forms of dramatic expression will be explored. Students who successfully complete this course will be recom-

mended to the Ontario College of Teachers for the additional qualification DR ARTS-2.

***EDUC 3425E Dramatic Arts, Part III (Specialist)**
Prerequisite: Dramatic Arts, Part II
Credits: 6

Students will intensively examine aspects of drama in education suitable for advanced students. The objective of the course is to have students become versed in current theories of drama. Students will develop a thorough understanding of Ministry policy, as stated in Dramatic Arts, Intermediate and Senior Divisions, 1981 and The Formative Years. Successful students will be recommended for the Ontario College of Teachers additional qualification DR ARTS-SPEC.

English as a Second Language

***EDUC 1535E English as a Second Language, Part I**
Credits: 6

This course is for teachers of classes in which all or some of the students require ESL instruction. Opportunities will be provided for candidates to explore the nature of language and theories of language acquisition; to examine methodology in the teaching of ESL: to acquire sensitivity to and awareness of the unique cultural, linguistic, and educational backgrounds of Native Canadian children, adolescents, and adults; and to observe and teach in a variety of ESL settings. Successful students will be recommended for the Ontario College of Teachers additional qualification ESL-1.

***EDUC 2535E English as a Second Language, Part II**
Prerequisite: ESL, Part I
Credits: 6

This course will be a continuation of EDUC 1535E (ESL, Part I). Candidates will do further study on the topics indicated in Part I, as well as develop instructional units in ESL, and evaluate ESL programs and learning materials. Successful students will be recommended for the Ontario College of Teachers additional qualification ESL-2.

***EDUC 3535E English as a Second Language, Part III (Specialist)**
Prerequisite: ESL, Part II
Credits: 6

This summative course is designed to assist candidates to develop strategies, organization and programs in ESL using school and community resources. Particular attention will be given to leadership skills in designing, implementing and evaluating effective ESL programs. Successful students will be recommended for the Ontario College of Teachers additional qualification ESL-SPEC.

Environmental Science

***EDUC 1145E Environmental Science, Part I**
Credits: 6

An examination of the philosophy of environmental education; essential concepts of environmental education as found in science, geography and social studies; a development of units of study; methods and skills involved in conducting outdoor studies and classroom follow-up; field studies and travel courses.

Successful students will be recommended for the Ontario College of Teachers additional qualification ENV SC-1.

***EDUC 2145E Environmental Science, Part II**

Prerequisite: Environmental Science, Part I

Credits: 6

This course will provide the candidate with the competencies in planning and implementing programs in environmental science in a K-13 continuum. Topics will include change theory, Ministry guidelines, program planning, evaluation, and outdoor teaching experience. Successful candidates will be recommended for the Ontario College of Teachers additional qualification ENV SC-2.

***EDUC 3145E Environmental Science, Part III (Specialist)**

Prerequisite: Environmental Science, Part II

Credits: 6

This course will provide the candidate with opportunities to gain competency in the organization, administration and supervision of environmental science programs and in the design, development and implementation of such programs in elementary and secondary schools. Successful candidates will be recommended for the Ontario College of Teachers additional qualification ENV SC-SPEC.

Family Studies

***EDUC 1715E Family Studies, Part I**

Credits: 6

This course examines Family Studies content, teaching strategies and the learning environment appropriate for the young adolescent. In each area of study, key ideas and curriculum trends are explored with applications to planning, teaching and evaluating units and programs. Successful candidates will be recommended for the Ontario College of Teachers additional qualification FAM ST-1.

EDUC 2725E Family Studies, Part II

Prerequisite: Family Studies, Part I

Credits: 6

This course explores factors that have implications for Family Studies curriculum planning for the older adolescent. Focus is on teaching-learning strategies that develop co-operative decision-making and human relations skills. The effect of the interdependence of individuals, family and society, and the variety of family forms and life styles are highlighted with respect to the preparation of courses of study for the senior level including the OAC. Successful candidates will be recommended for the Ontario College of Teachers additional qualification FAM ST-2.

French as a Second Language

***EDUC 1515F Didactique du français langue seconde, partie I (programme de base)**

Credits: 6

Ce cours s'adresse aux enseignants qui désirent parfaire leur compétence linguistique et se préparer à enseigner le programme régulier de français langue seconde aux élèves des cycles primaire, moyen et intermédiaire. A sa carte de qualifications comme enseignant de l'Ontario, le candidat qui aura satisfait aux

exigences du Ordre des enseignantes et des enseignants de l'Ontario ajoutera une nouvelle qualification FR SL-1.

***EDUC 2515F Didactique du français langue seconde, partie II (programme de base)**

Credits: 6

Ce cours s'offre aux enseignants qui ont suivi le cours EDUC 1515F et qui veulent parfaire leur compétence linguistique et professionnelle. Il prépare les candidats à enseigner aux cycles primaire, moyen et intermédiaire les programmes suivants de français langue seconde: régulier, intensif, et d'immersion. A sa carte de qualifications comme enseignant de l'Ontario, le candidat qui aura satisfait aux exigences du Ordre des enseignantes et des enseignants de l'Ontario ajoutera une nouvelle qualification FR SL-2.

***EDUC 2715F Didactique du français langue seconde, partie II (Immersion)**

Credits: 6

Ce cours s'offre aux enseignants qui maîtrisent le français oral et écrit et qui ont suivi le cours EDUC 1515F. Le cours EDUC 2715F habilitera les candidats à enseigner le français enrichi et le français d'immersion aux cycles primaire, moyen et intermédiaire. A sa carte de qualifications comme enseignant de l'Ontario, le candidat qui aura satisfait aux exigences du Ordre des enseignantes et des enseignants de l'Ontario ajoutera une nouvelle qualification FR SL-2.

***EDUC 3515F Didactique de français langue seconde, partie III (programme de base) (Specialiste)**

Credits: 6

Ce cours s'adresse aux enseignants qui détiennent la qualification additionnelle français langue seconde, partie II et qui veulent parfaire leur compétence linguistique et professionnelle. Il prépare le candidat aux rôles de co-ordonnateur, de conseiller, de superviseur de programme de français langue seconde aux quatre cycles: primaire, moyen, intermédiaire et supérieur. A sa carte de qualifications comme enseignant de l'Ontario, le candidat qui aura satisfait aux exigences du Ordre des enseignantes et des enseignants de l'Ontario ajoutera une qualification additionnelle FR SL-SPEC.

Guidance

***EDUC 1255E Guidance, Part I**

Credits: 6

A study of educational processes designed to help children and adolescents to a better understanding of themselves, the opportunities available to them and their social responsibilities. An introduction to basic counselling and communication skills; and awareness of the legal and ethical responsibilities for guidance programs and counsellors. Successful completion will lead to the recommendation for the Ontario College of Teachers additional qualification GUID-1.

***EDUC 2255E Guidance, Part II**

Prerequisite: Guidance, Part I

Credits: 6

A level two guidance course includes: an awareness of the range of career clusters and career development theories; an awareness of the support services available to individuals with problems, an understanding of current standardized tests, information sources, record keeping, and effective intervention skills in

counselling. Students who successfully complete the course will be recommended for the Ontario College of Teachers additional qualification GUID-2.

***EDUC 3255E Guidance, Part III (Specialist)**

Prerequisite: Guidance, Part II
Credits: 6

This course is designed to assist candidates to develop strategies, organization, and programs in guidance using school and community resources. Topics will include curriculum development and planning; marketing, co-ordinating and evaluating guidance services; advanced counselling practicum and business-industry-education practicum. Successful students will be recommended for the Ontario College of Teachers additional qualification GUID-SPEC.

Intermediate Education

***EDUC 1135E Intermediate Education, Part I**

Prerequisite: Intermediate Basic Qualification
Credits: 6

Participants will co-develop a model of the learner in the transition years as depicted in current Ministry guidelines and philosophical writing on education. The course will examine the instructional tasks at the lesson and unit level that would assist in the attainment of this model of the learner in the classroom. The course will also provide the knowledge of Intermediate Division students that is essential to performing these instructional tasks. Concepts such as learning styles, personality and learning disabilities will be applied to modify strategies for instructional tasks. Participants will design and implement effective instructional strategies in Language Arts, Mathematics, History, Geography, Science and/or the Arts. Successful students will be recommended for the Ontario College of Teachers additional qualification INT ED-1.

***EDUC 2135E Intermediate Education, Part II**

Prerequisite: Intermediate Education, Part I
Credits: 6

This course will provide a reinterpretation of instructional tasks and levels as they apply to course and program design. Knowledge of Intermediate Division students that will facilitate unit and course design will also be examined. Participants will identify and apply sociological concepts relating to social class and the particular learning environment. Participants will learn and apply effective strategies for instructional tasks at the unit and course level. Emphasis will be placed on design strategies for integration of the disciplines within a school setting. Successful students will be recommended for the Ontario College of Teachers additional qualification INT ED-2.

***EDUC 3135E Intermediate Education, Part III (Specialist)**

Prerequisite: Intermediate Education, Part II
Credits: 6

This course will provide a reinterpretation of teaching tasks and levels as they apply to consulting, coaching and mentoring other teachers in the Intermediate Division. Participants will design and implement a project in which they act as a consultant or coach to other teachers in the Intermediate Division. Successful students will be recommended for the Ontario College of Teachers additional qualification INT ED-3.

Junior Education

***EDUC 1125E Junior Education, Part I**

Prerequisite: Junior Basic Qualification
Credits: 6

Education in the Junior Division: philosophical and psychological basis for sequencing and organizing curriculum and instruction; classroom organization; curriculum guidelines established by the Ministry of Education and Training; program development and implementation in each of the major areas of the Junior Division, a study of trends and procedures in teaching each subject area; and evaluation of media and materials particular to each subject area, instructional techniques. Successful students will be recommended for the Ontario College of Teachers additional qualification JR ED-1.

***EDUC 2125E Junior Education, Part II**

Prerequisite: Junior Education, Part I
Credits: 6

A continuation of an examination of the psychological basis for sequencing curriculum and instruction; an advanced study of developmental theories including an in-depth study of the work of one influential psychologist and/or learning theorist; diagnosis of learning difficulties in the Junior Division; in-depth experience in curriculum planning and instruction in one of the curriculum areas in the Junior Division. Teachers who complete the course successfully will be recommended to the Ontario College of Teachers for the additional qualification JR ED-2.

***EDUC 3125E Junior Education, Part III (Specialist)**

Prerequisite: Junior Education, Part II
Credits: 6

A study of interpersonal relationships, the role of the teacher, consultant and administrator as facilitators and co-learners in education; demonstration of leadership in planning and implementing professional activities for teachers in the Junior Division; evaluation of programs, pupil achievement, teacher effectiveness; planning and managing change in programs for junior children at the school and system levels. Successful candidates will be recommended to the Ontario College of Teachers for the additional qualification JR ED-SPEC.

Librarianship

***EDUC 1265E Librarianship, Part I**

Credits: 6

An introduction to print and non-print resource utilization: research skills, audio-visual equipment; non-print resources; print resources, cataloguing; resource selection; curriculum support; children's literature, resource centre management. Successful students will be recommended for the Ontario College of Teachers additional qualification LIB-1.

***EDUC 2265E Librarianship, Part II**

Prerequisite: Librarianship, Part I
Credits: 6

This course builds on the concepts developed in EDUC 1265E to assist teacher librarians to develop competence in the areas of resource centre utilization, community resources, Canadian resources, curriculum support, media and resource centre organization and management. Successful students will be recom-

mended for the Ontario College of Teachers additional qualification LIB-2.

***EDUC 3265E Librarianship, Part III (Specialist)**

Prerequisite: Librarianship, Part II
Credits: 6

The consultant and administrative dimensions of the librarian's role are emphasized. Topics include professional development, resource evaluation, library administration, curriculum support, Ministry policies and guidelines, and new developments in librarianship and technology. Successful students will be recommended for the Ontario College of Teachers additional qualification LIB-SPEC.

Mathematics

***EDUC 1565E Mathematics in Primary/Junior Education, Part I**

Prerequisite: Basic Qualification in the Primary or Junior Divisions
Credits: 6

This course is designed to provide candidates with knowledge of Ministry policies, learning theory and appropriate teaching strategies in the field of primary and junior mathematics. Stress is placed on critical teaching models in mathematics. The use of suitable concrete materials, the importance of 'understanding' before practice and the ability to plan child-centred learning experiences are emphasized. Successful candidates will be recommended for the Ontario College of Teachers additional qualification MATH ED (P/J)-1.

***EDUC 2565E Mathematics in Primary/Junior Education, Part II**

Prerequisite: Mathematics in Primary/Junior Education, Part I
Credits: 6

This course concentrates on critical factors which affect the learning of mathematics. The role of language in promoting understanding in this discipline is thoroughly examined. As well, assessment principles, diagnostic techniques and remediation strategies are considered in-depth. Emphasis is placed on mathematical thinking particularly through the development of problem solving skills. Integration of mathematics with other fields of study and evaluation of teaching materials are also considered. Successful candidates will be recommended for the Ontario College of Teachers additional qualification MATH ED (P/J)-2.

***EDUC 3565E Mathematics in Primary/Junior Education, Part III (Specialist)**

Prerequisite: Mathematics in Primary/Junior Education, Part II
Credits: 6

This course focuses on the development, implementation and evaluation of primary and junior mathematics programs for both 'average' learners and those with special needs. Candidates are encouraged to become leaders in the field of elementary mathematics in-service programs. An in-depth research project on an issue of major concern to the candidate is required. Successful candidates will be recommended for the Ontario College of Teachers additional qualification MATH ED (P/J)-SPEC.

Media

***EDUC 1435E Media, Part I**

Credits: 6

This course is aimed at the classroom teacher who is interested in media but who has little or no instruction in optimum utilization of pre-packaged material (videotape, film, slide/tape, etc.) or opportunity to develop competence and confidence with related equipment. Course components will include media selection, film, television and audio utilization, community resources, and basic production techniques. Successful students will be recommended for the Ontario College of Teachers additional qualification MED-1.

***EDUC 2435E Media, Part II**

Prerequisite: Media, Part I
Credits: 6

This course is designed to build on the concepts developed in Media, Part I. Course components will include communication theory, visual literacy, television production, basic photography, and media production techniques. Successful students will be recommended for the Ontario College of Teachers additional qualification MED-2.

***EDUC 3435E Media, Part III (Specialist)**

Prerequisite: Media, Part II
Credits: 6

This course is designed for the practicing media professional. Emphasis is placed on resource centre management, curriculum design, communication theory, media selection and evaluation, and the role of the media professional as a consultant. Successful candidates will be recommended for the Ontario College of Teachers additional qualification MED-SPEC.

Music–Instrumental

***EDUC 1175E Music-Instrumental, Part I**

Prerequisite: Permission of the instructor
Credits: 6

A study of how the concepts of music can be developed through the acquisition of basic playing skills on three standard orchestral instruments (one stringed, one brass, one woodwind); a survey of appropriate group teaching techniques; practice in conducting; and examination of suitable instrumental programs and materials; the development of effective instrumental classroom management. Students who successfully complete the course will be recommended to the Ontario College of Teachers for the additional qualification MUS INST-1.

***EDUC 2175E Music-Instrumental, Part II**

Prerequisite: Music-Instrumental, Part I
Credits: 6

A practical course in which the student will develop playing skills on three band instruments (not attempted in Part I) as well as some percussion instruments; a study of appropriate group teaching techniques; the planning and management of the instrumental classroom; an examination of suitable classroom instrumental programs and school band materials; experience in rehearsing large and small school ensembles. Students who successfully complete the course will be recommended for the

Ontario College of Teachers additional qualification MUS INST-2.

Music–Vocal (Primary/Junior)

*EDUC 1155E Music-Vocal (Primary/Junior), Part I

Prerequisite: Basic Qualification in the Primary or Junior Divisions

Credits: 6

A music course for teachers which focuses upon the needs and interests of the Primary Division pupil: music appreciation and theory; ear training, sight singing, conducting; basic knowledge of Orff instruments; teaching methods and practicum. Teachers who complete the course successfully will be recommended to the Ontario College of Teachers for the additional qualification MUS VOC-PJ-1.

*EDUC 2155E Music-Vocal (Primary/Junior), Part II

Prerequisite: Music-Vocal (Primary/Junior), Part I

Credits: 6

Focus on the needs and interests of the Junior Division pupil: music appreciation and theory; survey of appropriate song materials; sight singing, part singing and conducting; basic knowledge of some classroom instruments; study of some recent curriculum innovations; teaching strategies and practicum. This course qualifies the successful student for the Ontario College of Teachers qualification MUS VOC-PJ-2.

*EDUC 3155E Music-Vocal (Primary/Junior), Part III (Specialist)

Prerequisite: Music-Vocal (Primary/Junior), Part II

Credits: 6

Investigation of contemporary approaches to music education; examination of classroom music texts, materials, instruments and resources; study of several music curriculum models, implementation designs and evaluation schemes; discussion of methods of organizing and administering music programs in a variety of elementary school settings; performance of suitable choral material with practice in conducting. Successful students will be recommended for the Ontario College of Teachers additional qualification MUS VOC-PJ-SPEC.

Native As A Second Language

*EDUC 1545N Native As a Second Language, Part I (Algonquian: Ojibwe/Cree)

Prerequisite: Fluency in Cree or Ojibwe

Credits: 6

An introductory course in the teaching of Cree or Ojibwe as a second language. Topics will include language literacy, theories of second language teaching. Ministry guidelines, methodology, curriculum, audio-visual and evaluation. Successful students will be recommended for the Ontario College of Teachers additional qualification NSL-1 ALG.

*EDUC 2545N Native As a Second Language, Part II (Algonquian: Ojibwe/Cree)

Prerequisite: Native As A Second Language, Part I

Credits: 6

An intermediate course in the teaching of Ojibwe or Cree based on further study of the concepts developed in NSL-1. In addition,

texts, reading materials, learning objectives, child development, and classroom organization will be studied. Successful candidates will be recommended for the Ontario College of Teachers additional qualification NSL-2 ALG.

*EDUC 3545N Native As a Second Language, Part III (Specialist) (Algonquian: Ojibwe/Cree)

Prerequisite: Native As A Second Language, Part II

Credits: 6

An advanced level course in the teaching of Ojibwe or Cree for master teachers, consultants or department heads. Pedagogical, administrative, and curriculum skills required to provide leadership in the teaching of the native language across all four divisions of the school system will be stressed. Successful candidates will be recommended for the Ontario College of Teachers additional qualification NSL-SPEC ALG.

Physical and Health Education (Primary/Junior)

*EDUC 1215E Physical and Health Education (Primary/Junior), Part I

Prerequisite: Basic Qualification in the Primary or Junior Divisions

Credits: 6

A study of curricular designs and teaching strategies appropriate to physical and health education in the primary grades; the philosophy, organization and administration of such programs; an introduction and the development of competency in the seven broad categories of a balanced primary physical education program; basic safety supervisory practices; evaluation techniques. Teachers who complete the course successfully will be recommended to the Ontario College of Teachers for the additional qualification P & HE-PJ-1.

*EDUC 2215E Physical and Health Education (Primary/Junior), Part II

Prerequisite: Physical and Health Education (Primary/Junior), Part I

Credits: 6

The philosophy, organization and administration of a Junior Division physical and health education program; a study of curriculum designs and teaching strategies appropriate to the junior grades; an examination of selected categories of physical and health education as outlined in Part I; an examination of appropriate resources and learning materials; a study of suitable evaluation techniques. Students who complete the course successfully will be recommended to the Ontario College of Teachers for the additional qualification P & HE-PJ-2.

*EDUC 3215E Physical and Health Education (Primary/Junior), Part III (Specialist)

Prerequisite: Physical and Health Education (Primary/Junior), Part II

Credits: 6

The organization and administration of physical and health education programs, with emphasis on leadership and supervision; an in-depth study of curriculum development and teaching strategies with respect to physical and health education; an examination of program activities in three of the seven categories outlined in Part 2; a study of observation techniques, skill analysis, motor learning, and theory of the activities outlined in

the selected categories; a detailed study of evaluation techniques appropriate to physical and health education programs; an examination of resources and learning materials appropriate to physical and health education programs. Successful candidates will be recommended for the Ontario College of Teachers additional qualification P & HE-PJ-SPEC.

Primary Education

*EDUC 1105E Primary Education, Part I

Prerequisite: Primary Basic Qualification

Credits: 6

Education in the Primary Division: Curriculum guidelines established by the Ministry of Education and Training; philosophical and psychological basis for sequencing and organizing curriculum and instruction; classroom organization; program development and implementation in each of the major areas of the Primary Division; a study of trends and procedures in teaching each subject area; evaluation of media and materials particular to each subject area; instructional techniques. Teachers who successfully complete the course will be recommended for the Ontario College of Teachers additional qualification PRIM ED-1.

*EDUC 2105E Primary Education, Part II

Prerequisite: Primary Education, Part I

Credits: 6

Education in the Primary Division: an intensive study of the psychological basis for sequencing curriculum and instruction; an advanced study of developmental theorists; in-depth experience in curriculum planning and instruction in one of the curriculum areas in the Primary Division; diagnosis of learning difficulties; planning for individual differences in the Primary Division. Teachers who complete the course successfully will be recommended to the Ontario College of Teachers for the additional qualification PRIM ED-2.

*EDUC 3105E Primary Education, Part III (Specialist)

Prerequisite: Primary Education, Part II

Credits: 6

Education in the Primary Division from the supervisory perspective; assessment and programming for individual primary children; assessment and revision of programs at the school level; the principles of curriculum design for the Primary Division, including teaching-learning strategies and appropriate support materials and resources; the planning and implementation of in-service programs; planning and management for Primary program change at the system level. Students who successfully complete this course will be recommended to the Ontario College of Teachers for the additional qualification PRIM ED-SPEC.

Reading

*EDUC 1275E Developmental Reading, Part I

Credits: 6

The reading process; the relationship of reading to other aspects of language development; reading and cognitive development; sensory aspects of reading. An extensive study of current trends, problems and procedures in teaching reading; program organization. Evaluation of instructional materials in relation to the

reading process and the needs, interests, and abilities of children. Evaluating and reporting pupil progress. Successful students will be recommended for the Ontario College of Teachers additional qualification READING-1.

*EDUC 2275E Developmental Reading, Part II

Prerequisite: Reading, Part I

Credits: 6

An intensive study of the reading process; the relationship between oracy and literacy; pattern of growth and development in literacy. An intensive study of current trends, problems and procedures in teaching reading. Children's literature in the program. Evaluation of instructional materials in relation to the reading process and the needs, interests and abilities of children. Diagnostic and evaluation techniques. Classroom organization for language instruction. Successful students will be recommended for the Ontario College of Teachers additional qualification READING-2.

*EDUC 3275E Developmental Reading, Part III (Specialist)

Prerequisite: Reading, Part II

Credits: 6

Current trends and issues in literacy development; their implications for curriculum planning and implementation. Developing literacy programs on an individual, a class, or a school basis; selection of material; organizational patterns. Study and research skills in elementary/secondary programs. Using children's/adolescent's literature in a unit study. Intensive study of diagnostic and evaluation techniques. Successful students will be recommended for the Ontario College of Teachers additional qualification READING-SPEC.

Religious Education

*EDUC 1195E Religious Education (OECTA/OSSTA), Part I

Credits: 6

An introductory course in Religious Education for teachers in the Roman Catholic Separate School system. An understanding of the role of the Ontario Roman Catholic Separate School System and the responsibilities of teachers will be gained through a study of Ministry documents and legislation, board curricula and support material. Special emphasis will be placed on teacher methodologies relevant to the achievement of affective objectives. Successful candidates will be recommended to OECTA for the Ontario College of Teachers additional qualification REL ED-1.

*EDUC 2195E Religious Education (OECTA/OSSTA), Part II

Prerequisite: Religious Education, Part I

Credits: 6

An intermediate level course in Religious Education building on the concepts developed in EDUC 1195E. Participants will focus on the role of teachers in Religious Education; analyse Religious Education as both a content oriented process and a relational experiential process. Emphasis will be placed on introducing Religion across the school curriculum. Successful candidates will be recommended to OECTA for the Ontario College of Teachers additional qualification REL ED-2.

***EDUC 3195E Religious Education (OECTA/OSSTA), Part III (Specialist)**

Prerequisite: Religious Education, Part II
Credits: 6

This summative course in Religious Education is designed to assist candidates in developing leadership in teaching strategies, curriculum and organization of Religious Education programs using school, community and church resources. Candidates will also study theories of Religious Education development. Successful candidates will be recommended to OECTA for the Ontario College of Teachers additional qualification REL ED-SPEC.

Science in Primary/Junior Education

***EDUC 1345E Science in Primary/Junior Education, Part I**

Prerequisite: Basic Qualification in the Primary or Junior Divisions
Credits: 6

This course is intended to provide the knowledge and basic skills needed to develop activities, learning centres and themes for classroom instruction: increase awareness of appropriate teaching strategies; evaluate the learner's progress in the science component of a balanced and integrated program. It will be presented in a manner which models an inquiry-oriented, activity-based, hands-on, experiential science program. Wherever possible, opportunity will be provided to work with Primary and Junior children. Successful candidates will be recommended for the Ontario College of Teachers additional qualification SCI ED-PJ-1.

***EDUC 2345E Science in Primary/Junior Education, Part II**

Prerequisite: Science in Primary/Junior Education, Part I
Credits: 6

This course will provide candidates with the opportunity to gain further competence in developing, implementing and evaluating programs, learning strategies and materials for the science component of a balanced and integrated program in the Primary and Junior Divisions. It is also intended to prepare teachers to facilitate curriculum design at the K-6 level in the teacher's own school. Successful candidates will be recommended for the Ontario College of Teachers additional qualification SCI ED-PJ-2.

***EDUC 3345E Science in Primary/Junior Education, Part III (Specialist)**

Prerequisite: Science in Primary/Junior Education Part II
Credits: 6

This course will provide candidates with opportunities to develop knowledge and competency in organization and administration, in design, development, implementation and evaluation, and in the provision of professional development opportunities in science education. Successful candidates will be recommended for the Ontario College of Teachers additional qualification SCI ED-PJ-SPEC.

Special Education

***EDUC 1236E Special Education, Core I**

Credits: 3

Introduction to the Education of Exceptional Students - This course is designed as an introduction to an overview of the characteristics of students identified as exceptional, and to Special Education in Ontario, including methods of understanding and assisting exceptional students. It is intended to build on the Special Education component in the pre-service program and/or the experience of practicing teachers. To fulfil course requirements students will be required to observe and report on several programs of exceptional children. Students who successfully complete EDUC 1236E and one elective will be recommended to the Ontario College of Teachers for the additional qualification SP ED-1 (and elective).

***EDUC 2236E Special Education Core II**

Prerequisite: Special Education, Part I
Credits: 3

Assessing and Programing for Exceptional Students - This course is designed to assist teachers in developing, at a more advanced level, competence in gathering information to understand exceptional students' educational needs; and in developing effective instructional programs for them in the various cognitive, academic and behavioral areas. To fulfil course requirements the student, under the supervision of the instructor and board Special Education personnel, will diagnose, prescribe and implement a short term program for an exceptional student. Students who successfully complete EDUC 2236E and a second elective will be recommended to the Ontario College of Teachers for the additional qualification SP ED-2 (and elective).

***EDUC 3236E Special Education Core III**

Prerequisite: Special Education, Part II
Credits: 3

Leadership in the Education of Exceptional Students - This course is designed to assist candidates in developing leadership and consultation skills in Special Education at the school and board level. To fulfil course requirements the student, in consultation with the instructor and board Special Education personnel, will diagnose, prescribe and implement a semester program for an exceptional student. Students who successfully complete EDUC 3236E and a third elective will be recommended to the Ontario College of Teachers for the additional qualification SP ED-SPEC (and elective).

***EDUC 1616E Special Education Elective: Behaviour (Basic)**

Prerequisite: EDUC 1236E (or equivalent)
Credits: 3

This course concentrates on the education of the behaviourally exceptional student. Candidates will learn basic screening and identification procedures, basic competencies in designing and implementing educational programs and deal with current issues in the education of the behaviourally exceptional.

***EDUC 1626E Special Education Elective: Gifted (Basic)**

Prerequisite: EDUC 1236E (or equivalent)
Credits: 3

This course concentrates on the nature of educational giftedness. Candidates will learn basic screening and identification procedures, develop basic competency in designing and implementing educational programs and become familiar with current issues in the education of the gifted.

***EDUC 1636E Special Education Elective: Learning Disabilities (Basic)**

Prerequisite: EDUC 1236E (or equivalent)
Credits: 3

This course concentrates on learning disabilities. Candidates will learn basic screening and identification procedures, basic competency in designing and implementing educational programs and become familiar with current issues in the education of students with learning disabilities.

***EDUC 1646E Special Education Elective: The Slow Learner (Basic)**

Prerequisite: EDUC 1236E (or equivalent)
Credits: 3

This course deals with the education of the slow learner and educable mentally retarded students. Candidates will learn basic screening and identification procedures plus competency in designing and implementing educational programs. Current issues in the education of the slow learner and educable mentally retarded student will be covered.

***EDUC 1656E Special Education Elective: Students with Developmental Disabilities (Basic) - course formerly known as The Trainable Retarded Pupil.**

Prerequisite: EDUC 1236E (or equivalent)
Credits: 3

This course covers the education of the trainable retarded student. Candidates will learn basic screening and identification procedures; basic competence in designing and implementing education programs, and will become familiar with current issues in the education of trainable retarded students. Students please note that this course will appear on their Certificate of Qualification as TTR (The Trainable Retarded Pupil) until such time as the regulation is revised.

***EDUC 1666E Special Education Elective: Visual Impairment (Basic)**

Prerequisite: EDUC 1236E (or equivalent)
Credits: 3

This course covers the education issues associated with visual impairment. Screening and identification procedures, basic competency in designing and implementing educational programs and current issues in the education of students with visual impairment are dealt with.

***EDUC 1676E Special Education Elective: Secondary Special Education**

Prerequisite: EDUC 1236E (or equivalent)
Credits: 3

This course covers the educational issues associated with the exceptional adolescent in secondary school. Candidates will learn appropriate screening and identification procedures, basic competency in designing and implementing education programs and become familiar with current issues in the education of the exceptional adolescent student.

***EDUC 1686E Special Education Elective: Speech and Language**

Prerequisite: EDUC 1236E (or equivalent)
Credits: 3

This course will provide an overview of the characteristics, prevalence and identification of students with speech/language difficulties. The focus of the course will be the development of educational and instructional principles and strategies that meet the affective, social and academic needs of these students.

***EDUC 1696E Special Education Elective, The Hearing Impaired (Basic)**

Prerequisite: EDUC 1236E(or equivalent)
Credits: 3

This course examines instructional adaptations for students with hearing impairments in various educational settings. The primary emphasis of the course focuses on adaptations specific to the regular classroom. Current issues in the education of students with hearing impairments are examined to support the instructional decision making process.

***EDUC 1716E Special Education Elective: The Inclusive Classroom (Basic)**

Prerequisite: EDUC 1236E (or equivalent)
Credits: 3

This course investigates the theories and philosophies of "inclusion". It will prepare classroom teachers to plan for differentiated instruction and to adapt content and activities to meet the needs of exceptional children in an inclusive environment. It will also assist teachers in designing inviting classrooms and developing effective management strategies for the inclusive classroom.

***EDUC 1726E Special Education Elective Autism (Basic)**

Prerequisite: EDUC 1236E (or equivalent)
Credits: 3

This course concentrates on the education of children with autism. Candidates will learn basic screening and identification procedures, develop basic competencies in designing and implementing educational programs and deal with current issues in the education of autistic children.

***EDUC 2616E Special Education Elective, Behaviour (Advanced)**

Prerequisite: EDUC 1616E (or equivalent)
Credits: 3

This course examines the current literature in screening, identification, program planning and evaluation for the purpose of meeting the cognitive and social needs of students with behavioural disorders. Utilizing the background from the current literature and the individual experience of course candidates, specific topics will be examined in-depth.

***EDUC 2636E Special Education Elective, Learning Disabilities (Advanced)**

Prerequisite: EDUC 1636E (or equivalent)
Credits: 3

This course will review the characteristics of students with learning disabilities. Recent theoretical views and issues will be addressed and their relationship to standard approaches to assessment and teaching will be critically examined.

Note: Before a student is eligible to take more than one Special Education Elective, EDUC 1236E (or equivalent) must be completed.

Visual Arts

*EDUC 1415E Visual Arts, Part I

Credits: 6

Basic philosophy of visual arts and its relationships to art education; psychology of learning and learning process in relation to developmental stages in child art, development of visual arts curriculum at a divisional level with emphasis on involvement in media workshops and art appreciation experiences; curriculum guidelines established by the Ministry of Education and Training; integration of design with expression, media and materials; evaluation of progress in visual arts programs. Teachers who complete the course successfully will be recommended for the Ontario College of Teachers additional qualification VIS ARTS-1.

*EDUC 2415E Visual Arts, Part II

Prerequisite: Visual Arts, Part I

Credits: 6

An extension of the program development component in Visual Arts, Part I with emphasis on: methods of developing awareness of the historical dimension; awareness of art in everyday life, integrating with other disciplines; selection of workshop in media processes and design. Successful candidates will be recommended for the Ontario College of Teachers additional qualification VIS ARTS-2.

*EDUC 3415E Visual Arts, Part III (Specialist)

Prerequisite: Visual Arts, Part II

Credits: 6

An extension of the program development component in Visual Arts, Part II with emphasis on curriculum design, an understanding of leadership skills in organizing and managing a Visual Arts department, organizational skills and method of working; advance level workshops dealing with media processes and art concepts; evaluation of Visual Arts and related programs. Teachers who complete the course successfully will be recommended to the Ontario College of Teachers for the additional qualification VIS ARTS-SPEC.

Group Five – Bachelor of Education and Diploma in Education Courses

These courses do not lead to Ontario College of Teachers Additional Certification and cannot be applied towards a Bachelor of Arts degree. They may only be applied towards a Bachelor of Education degree or a Diploma in Education.

Adult Education

EDUC 4415E Foundations of Adult Education

Credits: 6

This course will explore several issues dealing with Adult Education including an historic overview of Adult Education, the nature of the adult learner, understanding adult development and learning, the nature of personal change and learning, and adult learning styles.

EDUC 4425E Developing Curriculum for Adult Learners

Prerequisite: EDUC 4415E

Credits: 6

This course has both an academic and a practical component. The academic component will explore the following issues: adult curriculum development models, identifying adult learning needs, planning for adult learning, and assessing adult learning. In addition, each student will participate in a practicum within an adult education school or community based context.

EDUC 4435E Leadership in Adult Education

Prerequisite: EDUC 4425E

Credits: 6

This course will focus on leadership and administration issues related to the delivery of adult education programs. Included within this focus will be program development, proposal writing, negotiating with funding agencies and supervision of program and personnel.

Curriculum and Instruction

EDUC 4765E Instructional Strategies

Credits: 6

This course will provide a framework for undertaking the practical tasks of the teaching/learning process. Included within the course are topics such as establishing learning outcomes, developing growth strands, sequencing objectives, motivation, initiating new learning, consolidating new learning and assessment/evaluation. Selecting resources and organizing for instruction will also be considered.

EDUC 4865E Instructional Implementation

Credits: 6

This course provides a context for diagnosing classroom needs and implementing curricular solutions. Included within the course are such topics as overcoming knowledge and skill obstacles, dealing with incentives and rewards, providing material resources and organizational arrangements, and assessing the effects of implementation.

EDUC 4885E Measurement and Evaluation in the Classroom Setting

Credits: 6

The design and use of measurement techniques appropriate for the evaluation of student learning. The techniques, design, scoring and reporting procedures useful for a classroom-oriented evaluation program. Techniques useful for both formative and summative valuation; informal and formal testing procedures. Emphasis on criterion-referenced test design.

EDUC 4895E Curriculum Planning for the Classroom Teacher

Credits: 6

An introductory course to provide framework for analyzing, developing and evaluating curriculum. An examination of the structural components and foundations of curriculum; values, goals, objectives, organization and selection of content; learning sequences; scope and balance; evaluation; discussion of problems and challenges in curriculum planning and implementation.

EDUC 4955E Curriculum Evaluation

Credits: 6

The course examines the possibilities of the improvement of curriculum through the informed use of evaluation at various stages of the development and implementation processes. Included are: the design and use of techniques appropriate for the evaluation of curriculum; a critical examination of curriculum evaluation models; a study of the role of the evaluator, consideration of the problem of the communication of evaluation data.

English: Language Arts**EDUC 4755E Children's Literature in the Elementary School**

Credits: 6

The development of children's literature in an historical and sociological perspective. A survey of books and other print materials for children; criteria for the evaluation and analysis of children's books; types of literature considered in terms of the needs and interests of children; a study of the works of representative authors in each area. Issues in children's literature. Presentation of literature; materials and practices of storytelling; choral reading and speaking; reading to children; promoting independent reading; using children's literature in the reading program; planning a literature program. The contribution of children's literature to the elementary school curriculum.

Environmental Science**EDUC 4445E Teaching Environmental Science, Part I**

Credits: 6

This course focuses on building an awareness and knowledge of ecosystems and ecological concepts, broad environmental topics resources and networks. The topics will include: environmental literacy, links to Ministry of Education curriculum guidelines, teaching strategies for integrated studies in environmental education, aboriginal awareness, and hands-on exploration of several aquatic and terrestrial ecosystems.

EDUC 4455E Teaching Environmental Science, Part II

Prerequisite: EDUC 4445E

Credits: 6

This course provides an in-depth, hands-on examination of environmental issues, teaching strategies, personal ethics, resources and networks. The topics include wildlife issues, aboriginal perspectives, endangered species and spaces, old growth forests, water conservation, and the role of technology in the environment.

French as a Second Language**EDUC 4515F Ressourcement et Perfectionnement**

Credits: 6

Ce cours s'adresse aux enseignants qui détiennent la qualification Français langue seconde, partie III (Spécialiste). Le cours EDUC 4515E permettra aux candidats d'analyser:

- (i) l'évolution de l'enseignement du français langue seconde
- (ii) les nouvelles exigences du Ministère de l'Éducation

(iii) les pratiques courantes

(iv) les changements récents

(v) les problèmes suscités par le nouveau phénomène, l'enseignement du français langue seconde.

Foundations In Education**EDUC 4725E Moral Education**

Credits: 6

A study of the philosophical treatment of moral language and questions leading to a clarification of the nature, the problems and the importance of moral education today; contributions of psychology and sociology to moral education; consideration of curriculum design and practical teaching in moral education with an examination of some current moral education materials.

EDUC 4805E Issues in Education in Historical Perspective

Credits: 6

An examination of current issues in education including their historical development; evaluation of related factors, alternatives and possible solutions.

EDUC 4815E Humanistic Education

Credits: 6

An examination of the historical development of humanistic education with an emphasis on philosophical and psychological principles; an analysis of current trends in humanistic education, implications for program development.

Independent Studies**EDUC 1486E Independent Studies**

Credits: 3

Half course. This course provides an opportunity for qualified students to do special studies in the field of education beyond or outside of the regular course offerings. The student's program is supervised by a member of the faculty. Written assignments, papers, and a summative evaluation are required.

EDUC 2485E Independent Studies

Credits: 6

This course provides an opportunity for qualified students to do special studies in the field of education beyond or outside of the regular course offerings. The student's program is supervised by a member of the faculty. Written assignments, papers, and a summative evaluation are required.

Social Studies, History, Geography**EDUC 4905E Curriculum Development in the Social Studies**

Credits: 6

Social Studies in the elementary school; the nature of social studies; current trends in social studies education; curriculum guidelines established by the Ministry of Education and Training; psychological and disciplinary foundations; aims, scope, sequence and structure of a social studies program; media, mate-

rials and instructional techniques particular to the social studies; preparing course outlines, preparing resource units and planning for their use; providing for individual differences.

Special Education

EDUC 4236E Foundations in Exceptionalities (Core I)

Credits: 3

The focus of this course is Special Education for Post Secondary. This course is a broad introduction to all exceptionalities. The emphasis will be on general awareness and some appropriate methods of interaction specific to each type of exceptionality. Identification, educational strategies, and effective accommodations will be outlined.

EDUC 4246E Students with Hearing Impairments

Prerequisite: EDUC 4236E

Credits: 3

The focus of this course is Special Education for Post Secondary. This course is an in-depth examination of the social and educational adjustment of students who are deaf or hard of hearing. Content will include anatomy and physiology of the ear, causes, deaf culture, educational considerations, technology, psychology and behavioral characteristics.

EDUC 4247E Students with Learning Disabilities

Prerequisite: EDUC 4236E

Credits: 3

The focus of this course is Special Education for Post Secondary. This course is an in-depth examination of the largest exceptionality group. Assessment, intervention, research and an examination of current issues will be discussed.

EDUC 4256E Students with Physical Disabilities

Prerequisite: EDUC 4236E

Credits: 3

The focus of this course is Special Education for Post Secondary. This course is an in-depth examination of the educational needs of students with a wide variety of physical disabilities. Content will include neurological impairments, musculoskeletal conditions, congenital conditions, accidents and other physical conditions. Discussions will include the social, emotional, as well as educational needs of these students. Technology and special aids will also be discussed.

EDUC 4257E Students with Visual Impairments

Prerequisite: EDUC 4236E

Credits: 3

The focus of this course is Special Education for Post Secondary. This course is an in-depth examination of the social and educational adjustment of students who are blind or visually impaired. Content will include anatomy and physiology of the eye, causes, language development, mobility, educational considerations, technology and special aids.

EDUC 4336E Leadership and Consultation Skills in Post Secondary Special Education (Core II)

Prerequisite: EDUC 4236E

Credits: 3

The focus of this course is Special Education for Post Secondary. This component is designed to assist candidates in

developing leadership and consultation skills in special education at the post secondary, system and community level. Discussion will center around current issues in service provision.

EDUC 4346E Issues and Research in Disabilities and Post Secondary Education

Prerequisite: EDUC 4336E

Credits: 3

The focus of this course is Special Education for Post Secondary. This component is designed to survey and discuss past and current issues and research. Students will undertake a thorough review of selected research.

EDUC 4347E Technology for Students with Disabilities

Prerequisite: EDUC 4336E

Credits: 3

The focus of this course is Special Education for Post Secondary. This course is designed to provide current information about various technological devices and specific training in the operation and student teaching of selected items such as voice in-pu computers, reading scanners, adapted switches. An inventory of devices, suppliers, supports and prices will be compiled.

EDUC 4825E Exceptional Children

Credits: 6

Identification and characteristics of some exceptional children - intellectually superior, mentally handicapped, neurologically impaired, sensorially and physically limited, socially deviant. An examination of current views with respect to curricula and instructional techniques for exceptional children.

Group Six – Courses Leading to Principals' Qualification

Candidates for Part I must::

1. hold an acceptable university degree;
2. hold an Ontario Certificate of Qualification or Interim Certificate of Qualification;
3. hold concentrations in three divisions including the Intermediate Division, as indicated on the applicant's Ontario Certificate of Qualification;
4. provide evidence of at least five years of successful teaching experience in a school providing elementary or secondary education, as certified by the appropriate supervisory officer, or in the case of experience outside Ontario, by the appropriate supervisory official; and
5. **provide evidence of one of the following:**
 - a) (i) a Specialist or Honour Specialist qualification as indicated on the applicant's Ontario Certificate of Qualification, **and**
 - (ii) successful completion of at least half the number of courses required to qualify for a master's degree that is an acceptable university degree, **or**

(iii) an additional Specialist or Honour Specialist qualification as indicated on the applicant's Ontario Certificate of Qualification;

or

b) a master's degree or doctorate that is an acceptable university degree;

or

c) successful completion of such number of graduate university courses as is equivalent to the number of graduate university courses that are required to qualify for a master's degree that is an acceptable university degree.

Candidates for Part II must:

Provide a letter on official letterhead from the provider of Part I certifying successful completion of the Principals' Course Practicum as well as a copy of their Certificate of Qualification with the Principals' Qualification Program, Part I (PRIN D&I) entry.

EDUC 4000E Principals' Course Part I - The Principal as School Leader

Credits: 6

This course is the first of two courses designed for teachers who are interested in becoming qualified to be principals in the Province of Ontario. Part I focuses on what it means to be a principal in the Public and Catholic school systems. The course includes a strong emphasis on the interpersonal skills required to lead and manage the development and operation of the school within the community. Candidates will become familiar with the Education Act and Regulations, Ministry of Education and School board policies and procedures, collective agreements, and other matters as they have an impact on school operations and the principals' role.

EDUC 4005E Principals' Qualification Practicum Independent Study

Prerequisite: EDUC 4000E

Credits: 6

During this independent study course candidates develop their skills and knowledge related to the principalship through experiential learning, research, and reflection. Participating as a member of the school administration team, the candidate initiates action to address crucial educational issues affecting children and teachers in the school setting. The practicum is an integral part of the Principals' Qualification Program and the requirements compliment the guidelines of the Ontario College of Teachers. It is researched and planned while the candidate is enrolled in the Part I course. Implementation, analysis, reporting, and evaluation must be completed before candidates can enroll in Part II.

In addition to the research, planning, analysis, and reporting activities, the practicum must involve at least 60 hours of experiential learning for the candidate. Each candidate is assigned an advisor from the Part I instructional staff and also works with a mentor who is usually a practising principal from the candidate's school system. The candidate must complete the planning process, implement the practicum, keep an implementation log and reflective journal, and then produce a written report of between 2000 and 2500 words on the practicum experience. The mentor and advisor consult regularly with the candidate during the practicum and evaluate the log, reflective journal, and

written report. Both the mentor and advisor must declare the work to be at Level 3 or 4 on the evaluation rubric for successful completion of the course.

EDUC 4010E Principals' Course Part II - The Principal and Change

Prerequisites: EDUC 4000E and EDUC 4005E

Credits: 6

This course is the second of two courses designed for teachers who are interested in becoming qualified to be principals in the Province of Ontario. Part II focuses on the Principal and Change. The course begins with an exploration of the change forces currently affecting the public and Catholic schools and their communities. Attention is then directed to the process of identifying areas where change is required, initiating change, implementing change, and institutionalizing change. The course uses a simulation to contextualize discussion and make issues more immediate for candidates.

Group Seven – Principals' Development Courses

EDUC 4956E Staff Development

Credits: 3

There is widespread agreement that the quality of the teacher's knowledge and skills impacts substantially on student achievement but much less agreement on how best to involve teachers in meaningful professional growth. As an effective school leader, the vice-principal and principal need to be able to engage teachers in relevant and effective staff development activities that contribute to school improvement. This course focuses on treating staff development as more than counting completed courses. There is a focus on organizational alignment that integrates staff development with the school improvement plan and performance evaluation process. Growth plans and portfolio assessment will be considered as well as ways to identify collectively needed areas for workshops and presentation. The contribution that long term mentoring and support plays in translating theory into effective practice is highlighted.

EDUC 4957E Community/School Relationships

Credits: 3

This course focuses on how to involve parents and community in the school improvement process. There is a requirement for school councils but less knowledge and agreement on how to work with them constructively. As an effective school leader, the vice-principal and principal need to be able to engage in effective advocacy, nurture collective understanding and agreement, deal constructively with disagreement, negotiate, and build collaborative relationships. There is an emphasis on creating and supporting volunteer organizations and accessing human and material support from the community.

EDUC 4996E Organization Development

Credits: 3

In times of rapid change, the school administrator needs to be able to develop the school's teachers, staff, and involved parents into a learning organization that can respond effectively to emerging needs. This course focuses on the use of organiza-

tional development theory for school improvement. Developing shared vision and promoting team learning will be highlighted with particular emphasis on the work of Peter Senge. There will also be an emphasis on: assessing the organization's capacity for self-improvement; understanding and working effectively with individual and organizational change processes; using a curriculum review, development, and implementation model (CRDI); and developing in the school a sustained capacity for problem solving.

EDUC 4997E Data-based Decision Making
Credits: 3

In an era of increased accountability in education, the school administrator needs to be able to access, analyze, and act upon data to fulfil the role of school leader. This course focuses on skills and knowledge a vice-principal or principal needs to use data to plan, implement, and evaluate school initiatives that improve student learning. There will be consideration of the appropriate uses of various kinds of data including EQAO provincial testing, teacher assessment data, school surveys, and school budgets to inform decision making about priorities for action. The Principals' role in leading, modeling, and supporting action research as a means of school improvement and professional development will be highlighted. There will also be an emphasis on working with teachers and the community to create school plans, to assess implementation initiatives, and to communicate results effectively.

Principals' Refresher Courses

Applicants must:

1. have two years successful experience as a Principal or Vice-Principal; and
2. have completed the Ontario College of Teachers Principals' Leadership course, Parts I and II.

***EDUC 4976E School Leadership A/B**
Credits: 3

This course will assist practicing principals and vice-principals with day-to-day operational matters, as well as updating, extending and refining their understanding of current legislation and regulations, the development of educational policies, and management theories. Module A will focus on staff development; Module B will focus on teacher evaluation.

***EDUC 4972E School Leadership C/D**
Credits: 3

This course will assist practicing principals and vice-principals with day-to-day operational matters, as well as updating, extending and refining their understanding of current legislation and regulations, the development of educational policies, and management theories. Module C will focus on curriculum implementation; Module D will focus on leadership for the future.

Note: Candidates who successfully complete Modules A, B, C, D will be recommended to the Ontario College of Teachers for the additional qualification Principals' Refresher Course (PRIN REF CRS). For details, contact the Office of the Associate Dean of Education.

Aboriginal Programs

Native Classroom Assistant Diploma Program

The Native Classroom Assistant Diploma Program is a jointly sponsored program of Nipissing University and the Department of Indian and Northern Affairs. The program consists of three separate Summer Sessions.

The program is open to persons of Aboriginal ancestry who have been selected by the responsible authorities on their Reserves, for the purpose of preparing them as Classroom Assistants.

Admission Requirements

Part I:

Applicants must:

- have completed a minimum of Ontario Grade 12;
- be of Aboriginal descent;
- be recommended to the Program by a First Nation organization.

Students are encouraged to obtain classroom experience before commencing their program.

Applicants without Grade 12 may apply to write an equivalency test. Details of the test are available from the Office of the Registrar.

Part II:

Applicants must have:

- successfully completed Part I;
 - one year of classroom experience such as a classroom assistant (minimum of 200 hours, either paid or volunteer) which can be verified;
 - a practicum log and report.
- or**
- an educational assistant certificate, or an early childhood education diploma, or a developmental services worker diploma; and
 - one year of classroom experience such as a classroom assistant (minimum 200 hours, either paid or volunteer) which can be verified.

Part III:

Applicants must have:

- successfully completed Part II;
- two years of classroom experience such as a classroom assistant (minimum of 400 hours, either paid or volunteer) which can be verified;
- a practicum log and report.

Registration

For further details or application forms, contact the Office of the Registrar.

Applications and the required application fee must be submitted by April 16, 2002.

Part I Course Descriptions

EDUC 1010E NCADP Practicum I

Prerequisites: NCADP Part I

This course will involve a 200-hour practicum. The participant will be working as classroom assistant with a certified teacher in a school setting. This practicum must be completed prior to entering NCADP II.

EDUC 1011E Child Development

Credits: 1

This course will present an overview of child development through the study of developmental theories and the use of developmentally appropriate practices.

EDUC 1012E NCADP Primary Methods Part 1

Credits: 2

This course will focus on the teaching of Native children in Kindergarten to grade three classroom settings. The students will learn about teaching methodology with an emphasis on strategies for language development and building self-esteem.

EDUC 1022E NCADP Junior Methods 1

Credits: 2

The course will focus on the teaching of Native children in grade four to six classroom settings. The student will be involved in curriculum development including the use of centres and thematic units.

EDUC 1021E Language Arts I

Credits: 1

The course will focus on strategies to teach and to evaluate the language arts curriculum: speaking, reading, listening and writing.

EDUC 1031E Native Culture & Heritage

Credits: 1

The course will present an overview of First Nations culture and heritage. Students will be introduced to various concepts of Aboriginal world views which demonstrate First Nations special and unique way of seeing the world.

EDUC 1041E Behaviour Management Support

Credits: 1

This course will focus on the creation of a learning environment that fosters self-esteem. Topics will include a discussion of values, and the crucial role teachers play in developing self-esteem, in being a role model, in recognizing appropriate behaviour, in establishing routines and in developing problem solving strategies for behaviour problems.

Part II Course Descriptions

EDUC 2010E NCADP Practicum II

Prerequisites: NCADP Part II

This course will involve a 200-hour practicum. The participant will be working as classroom assistant with a certified teacher in school setting. This practicum must be completed prior to entering NCADP III.

EDUC 2011E NCADP Primary Methods II

Credits: 1

Prerequisites: NCADP Part I

The course will examine early intervention strategies for reading. It will include a discussion of reading recovery strategies and their impact on learners.

EDUC 2012E NCADP II Special Education I

Credits: 2

Prerequisites: NCADP Part I

This course will examine the curriculum components that constitute a balanced physical and health education for children in primary classrooms. It will investigate current teaching approaches designed to meet the individual needs of students.

EDUC 2021E NCADP Junior Methods II

Credits: 1

Prerequisites: NCADP Part 1

This course will focus on teaching in the junior division (children at the grade 4 to 6 level). It will include the curriculum development and organization strategies such as the creation of centres and thematic units.

EDUC 2031E Physical Education I

Credits: 1

Prerequisites: NCADP Part I or NSEADP Part I

This course will examine the curriculum components that constitute a balanced physical and health education for children in primary classrooms. It will investigate current teaching approaches designed to meet the individual needs of students.

EDUC 2041E Language Arts II

Credits: 1

Prerequisites: NCADP Part I or NSEADP Part I

This course will investigate various factors that influence language learning. It will also focus on language processes (reading, writing, listening, and speaking) and current theories of language arts instruction.

EDUC 2051E Mathematics

Credits: 1

Prerequisites: NCADP Part I or NSEADP Part I

This course will focus on the development of basic mathematical concepts in children in the primary and junior divisions. It will investigate current approaches which link mathematical understanding with development in children.

EDUC 2061E Computers I

Credits: 1

Prerequisites: NCADP Part I or NSEADP Part I

This course will discuss strategies for integrating and using computer technology in classrooms and for individualized programs.

Part III Course Descriptions

EDUC 3011E NCADP Primary Methods III

Credits: 1

Prerequisites: NCADP Part II

This course will examine planning, implementation and assessment strategies for primary programs (kindergarten to grade three). It will address principles of curriculum design including teaching strategies, organization and the use of support materials and resources in the primary grades.

EDUC 3021E NCADP Junior Methods III

Credits: 1

Prerequisites: NCADP Part II

This course will examine planning, implementation and assessment strategies for junior programs (Grades four to six). It will address principles of curriculum design including teaching strategies, organization and the use of support materials and resources in the junior grades.

EDUC 3031E Physical Education II

Credits: 1

Prerequisites: NCADP Part II

This course will examine the curriculum components that constitute a balanced physical and health education for children in junior classrooms. It will investigate a range of teaching approaches designed to meet the individual needs of students.

EDUC 3041E Children's Literature

Credits: 1

Prerequisites: NCADP Part II

This course will survey books and other print material for children. It will also focus on criteria for evaluation and analysis of children's books; types of literature considered in interests of children and a study of the works of representative Native authors. The contribution of children's literature to the elementary school program will be discussed.

EDUC 3051E Music & Drama

Credits: 1

Prerequisites: NCADP Part II

This course will investigate drama as an expressive art including strategies such as dramatic play, mime, improvisation and story drama. It will also involve a study of music curricula which promotes aesthetic development through experiences in singing, playing, listening, creating, moving and dramatizing.

EDUC 3061E Computers in the Classroom

Credits: 1

Prerequisites: NCADP Part II

This course will allow students to develop strategies for using and integrating computers in subject areas such as Language Arts and Math. It is designed to develop greater computer competency in participants through its hands on format.

EDUC 3102E NCADP III Special Education II

Credits: 2

Prerequisites: NCADP Part II

This course will assist participants in developing competence in gathering information to understand children with exceptionalities's educational needs. It will focus on the characteristics of effective instructional programs which accommodate children's exceptionalities.

Successful candidates will receive: The Nipissing University Native Classroom Assistant Program Diploma upon completion of Part III.

Native Special Education Assistant Diploma Program

The Native Special Education Assistant Diploma Program is a jointly sponsored program of Nipissing University and the Department of Indian and Northern Affairs.

On completion of this program the Native Special Education Assistant will have the skills to work with handicapped children, and with children experiencing behavioural problems, in their community environment.

The program is open to persons of Aboriginal ancestry who have been selected by the responsible authorities on their Reserves, for the purpose of preparing them as Assistants for students with special needs.

Admission Requirements

Part I:

Applicants must:

- have a minimum of Ontario Grade 12;
- be of Aboriginal descent;
- be recommended to the program by a First Nation organization.

Students are encouraged to obtain classroom experience before commencing their program.

Applicants without Grade 12 may apply to write an equivalency test. Details of the test are available from the Office of the Registrar.

Part II:

Applicants must have:

- successfully completed Part I;
- one year of classroom experience such as a special education assistant (minimum 200 hours, either paid or volunteer) which can be verified;
- a practicum log and report.

Part III:

Applicants must have:

- successfully completed Part II;
- two years of classroom experience such as a classroom assistant (minimum of 400 hours, either paid or volunteer) which can be verified;
- practicum log and report;
- a recent criminal record check.

Registration

For further information or application forms, contact the Office of the Registrar.

Applications and the required application fee must be submitted by April 16, 2002.

Part I Course Descriptions

The program consists of three summer sessions.

EDUC 1011E Child Development

Credits: 1

This course will present an overview of child development through the study of developmental theories and the use of developmentally appropriate practices.

EDUC 1021E Language Arts I

Credits: 1

The course will focus on strategies to teach and to evaluate the language arts curriculum: speaking, reading, listening and writing.

EDUC 1031E Native Culture & Heritage

Credits: 1

The course will present an overview of First Nations culture and heritage. Students will be introduced to various concepts of Aboriginal world views which demonstrate First Nations special and unique way of seeing the world.

EDUC 1041E Behaviour Management Support

Credits: 1

This course will focus on the creation of a learning environment that fosters self-esteem. Topics will include a discussion of values, and the crucial role teachers play in developing self-esteem, in being a role model, in recognizing appropriate behaviour, in establishing routines and in developing problem solving strategies for behaviour problems.

EDUC 1110E NSEADP Practicum I

Prerequisites: NSEADP Part I

This course will involve a 200-hour practicum. The participant will be working as special education assistant with a certified teacher in a school setting. This practicum must be completed prior to entering NSEADP II.

EDUC 1112E NSEADP Methods I

Credits: 2

The course will provide an introduction to teaching strategies for children with Special Needs. It will prepare the course participants to work in a collaborative primary classroom environment with teachers.

EDUC 1122E NSEADP Methods II

Credits: 2

The course will provide an overview of the key descriptors of students identified as exceptional in Special Education Programs in Ontario. It will identify teaching strategies for working collaboratively with teachers and children in a classroom context.

Part II Course Descriptions

EDUC 2031E Physical Education I

Credits: 1

Prerequisites: NCADP Part I or NSEADP Part I

This course will examine the curriculum components that constitute a balanced physical and health education for children in primary classrooms. It will investigate current teaching approaches designed to meet the individual needs of students.

EDUC 2041E Language Arts II

Credits: 1

Prerequisites: NCADP Part I or NSEADP Part I

This course will investigate various factors that influence language learning. It will also focus on language processes (reading, writing, listening, and speaking) and current theories of language arts instruction.

EDUC 2051E Mathematics

Credits: 1

Prerequisites: NCADP Part I or NSEADP Part I

This course will focus on the development of basic mathematical concepts in children in the primary and junior divisions. It will investigate current approaches which link mathematical understanding with development in children.

EDUC 2061E Computers I

Credits: 1

Prerequisites: NCADP Part I or NSEADP Part I

This course will discuss strategies for integrating and using computer technology in classrooms and for individualized programs.

EDUC 2110E NSEADP Practicum II

Prerequisites: NSEADP Part II

This course will involve a 200-hour practicum. The participant will be working as a classroom assistant with a certified teacher in a school setting. This practicum must be completed prior to entering NSEADP III.

EDUC 2111E Native Special Education Assistant Diploma Program NSEADP Methods III

Credits: 2

Prerequisites: NSEADP Part I

The course is designed to assist the participants in assessing children with special needs. It will include a study of IPRC procedures (Identification Placement and Review Committee) and the development of an IEP (Individual Education Plan). Participants will learn basic screening and identification procedures for children with learning disabilities.

EDUC 2112E NSEADP Special Education: Learning Disabilities and the Inclusive Classroom

Credits: 2

Prerequisites: NSEADP Part I

This course will provide a more in depth analysis of special education in Ontario. It will focus on learning disabilities and investigates theories and philosophies of inclusion. Participants will learn basic screening and identification procedures, will

learn how to plan for differentiated instruction and become familiar with the education of students with learning disabilities.

EDUC 2121E NSEADP Methods IV

Credits: 2

Prerequisites: NSEADP Part I

The course will concentrate on the education of behaviourally students with exceptionalities. Participants will learn to assist in basic screening and identification procedures. They will also be exposed to designing and implementing individual educational plans. The course will prepare the student to work in a collaborative environment with teachers in the classroom.

Part III Course Descriptions

EDUC 3112E NSEADP III Special Education: Behaviour

Credits: 2

Prerequisites: NSEADP Part II

This course will examine the current literature in screening, identification, program planning and evaluation for the purpose of meeting the learning needs of students with behavioural disorders. Utilizing the literature and the participant's experience, specific topics will be examined in depth.

EDUC 3114E NSEADP III Practicum

Prerequisites: NSEADP Part II

The course is a four-week half-day practicum where the student works with children with special needs in the local community.

EDUC 3122E NSEADP III Special Education: The Slow Learner

Credits: 2

Prerequisites: NSEADP Part II

This course will investigate the education of the slow learner and educable mentally retarded students. Participants will learn basic screening and identification procedures plus develop basic competency in designing and implementing educational programs.

Practicum

Students participate in a supervised practicum situation with trained staff, and students with handicapping exceptionalities. The focus is on learning instructional techniques and necessary life skills required when assisting students with special needs.

Successful candidates will receive: The Nipissing University Native Special Education Assistant Program Diploma upon completion of Part III.

Aboriginal Teacher Certification Program

The Aboriginal Teacher Certification Program has been designed to prepare people of Native ancestry for teaching positions in Ontario. This program is offered over two summers. The next intake for the program will be Summer 2003.

The Program meets the academic requirements of Nipissing's teacher education program, and graduates are recommended to the Ontario College of Teachers for a Certificate of Qualification in the Primary/Junior Division (Junior Kindergarten to Grade 6).

The goal of the Program is to train Native teachers who will be able to provide the regular Ontario elementary school curriculum combined with traditional values, culture and art.

Admission Requirements

1. Any of the following completed certifications:
Early Childhood Education (ECE);
Native Classroom Assistant Diploma Program (NCADP);
Native Special Education Assistant Diploma Program (NSEADP);
Native Language Teaching Certificate (NLTC); or
Social/Education Counsellor.
2. Three years of successful experience working with Primary/Junior Division students in an educational setting. Candidates must have a minimum of 700 hours of experience per year.
3. Ontario Secondary School Diploma - Grade 12 or equivalent.
4. Be of Aboriginal descent.

Certification

Students who successfully complete all components and requirements of the Program including the Writing Skills Test will be recommended to the Ontario College of Teachers for a Certificate of Qualification in the Primary/Junior Division.

Native Language Teaching Certificate graduates will also receive the Additional Qualification NSL Part 2.

Students who complete an undergraduate degree within 10 years of completing the requirements for a teaching certificate and who obtain an overall average of 70% on the required courses in the Aboriginal Teacher Certification program will be eligible for a Bachelor of Education degree. Contact the Office of the Registrar for graduation procedures upon completion of the undergraduate degree.

Registration

For further details or application forms, contact the Office of the Registrar.

The Program

The Program consists of two summer sessions to be held at Nipissing University in North Bay, and two in-school internships under a Provisional Letter of Standing/Certificate of Qualification Limited/Restricted.

Session One

EDUC 4146E Curriculum Studies 1 (Primary/Junior), Part I

Credits: 3

Language Arts - psychological and sociological factors influencing language learning; the language processes (listening, speaking, reading, writing); usage and grammar as functions of children's communication needs; current theories of reading instruction; expressive, transactional and poetic writing; children's literature; native literature (traditional and contemporary); developmental programs in listening, speaking, reading and writing. Drama - drama as an expressive art; dramatic play, mime, improvisation, story drama, program development in drama.

EDUC 4158E Curriculum Studies 2 (Primary/Junior), Part I

Credits: 2

Physical and Health Education - an examination of curriculum components that constitute a balanced physical and health education program for children in the Primary and Junior Division with special emphasis on Aboriginal lifestyles and communities; participation in activities that promote growth in the four developmental channels of physical and health education; an investigation of current approaches designed to meet individual needs of children. Visual Art - an introduction to art education with a focus on the interdependent relationships among contemporary art education, philosophy, psychology, methodology and art content with special emphasis on Aboriginal art perspective; studio activities which will provide first-hand experience with a variety of art materials, tools processes and techniques pertinent to the classroom. Music - a study of music curricula which promotes aesthetic development through experiences in singing, playing, listening, creating, moving and dramatizing; an examination of systems which develop the skills of reading and writing the language of music; the study of traditional Aboriginal music taken from a variety of Aboriginal cultures.

EDUC 4168E Curriculum Studies 3 (Primary/Junior), Part I

Credits: 2

Math - the underlying structures and unifying principles of mathematics; the development of basic mathematical concepts in students in the Primary and Junior Division; an investigation of current approaches which link mathematical understanding to development in children. Science - the underlying structure and framework of principles and concepts of science and technology; the development of science processes and attitudes; an examination of Aboriginal perspectives on the environment; an investigation of current approaches and instructional strategies which link scientific understanding to child development. Social Studies - fundamental concepts and instructional strategies in Social Studies in the Primary and Junior Divisions; developing an understanding of the relationship of earths' peoples with their social and physical

environments in the past and present focusing on Canada's First Nations and their relationship within their own communities and within the country as a whole; promoting insights into the global community and its implications for the life of today's pupil.

EDUC 4178E Curriculum Methods (Primary/Junior), Part I

Credits: 2

A study of teaching and learning in the Primary and Junior Divisions relevant to selected models of instruction and considering the distinctive needs of Aboriginal students. An introduction to the role of educational media in the teaching-learning process, stressing the unique characteristics of various media, the principles of effective preparation and application of teacher materials. A study of computers in an educational setting leading to basic skills in the operation of a microcomputer.

EDUC 4186E Education and Schooling/Educational Psychology (Primary/Junior)

Credits: 3

An introduction to major components of education in the Primary and Junior Divisions of elementary schools stressing history, philosophy, sociology and psychology; developing an awareness of First Nations jurisdiction over education and its implications; and an understanding of Aboriginal child-rearing practices and their impact on the education of Aboriginal children.

Successful students will be recommended to the Ontario College of Teachers for a Certificate of Qualification (Limited).

Internship One

EDUC 4664E Observation and Practice Teaching (Primary/Junior)

Credits: 3

Students arrange to teach in a Primary/Junior classroom. The Certificate of Qualification Limited qualifies students to accept full-time positions in Ontario.

Students enrol in EDUC 4664E: Observation and Practice Teaching (Primary/Junior) and teach in a primary or junior classroom under the supervision of local school authorities and Nipissing faculty.

Session Two

EDUC 4147E Curriculum Studies 1 (Primary/Junior), Part II

Prerequisite: EDUC 4146E

Credits: 3

A continuation of the study of Language Arts - psychological and sociological factors influencing language learning; the language processes (listening, speaking, reading, writing); usage and grammar as functions of children's communication needs; current theories of reading instruction; expressive, transactional and poetic writing; children's literature; Native literature (traditional and contemporary); developmental programs in listening, speaking, reading and writing. Drama - drama as an expressive art; dramatic play, mime, improvisation, story drama, program development in drama.

EDUC 4159E Curriculum Studies 2 (Primary/Junior), Part II

Prerequisite: EDUC 4158E
Credits: 2

A continuation of the study of Physical and Health Education - an examination of curriculum components that constitute a balanced physical and health education program for children in the Primary and Junior Division with special emphasis on Aboriginal lifestyles and communities; participation in activities that promote growth in the four developmental channels of physical and health education; an investigation of current approaches designed to meet individual needs of children. Visual Art - an introduction to art education with a focus on the interdependent relationships among contemporary art education, philosophy, psychology, methodology and art content with special emphasis on Aboriginal art perspective; studio activities which will provide first-hand experience with a variety of art materials, tools processes and techniques pertinent to the classroom. Music - a study of music curricula which promotes aesthetic development through experiences in singing, playing, listening, creating, moving and dramatizing; an examination of systems which develop the skills of reading and writing the language of music; the study of traditional Aboriginal music taken from a variety of Aboriginal cultures.

EDUC 4169E Curriculum Studies 3 (Primary/Junior), Part II

Prerequisite: EDUC 4168E
Credits: 2

A continuation of the study of Math - the underlying structures and unifying principles of mathematics; the development of basic mathematical concepts in students in the Primary and Junior Division; an investigation of current approaches which link mathematical understanding to development in children. Science - the underlying structure and framework of principles and concepts of science and technology; the development of science processes and attitudes; an examination of Aboriginal perspectives on the environment; an investigation of current approaches and instructional strategies which link scientific understanding to child development. Social Studies - fundamental concepts and instructional strategies in Social Studies in the Primary and Junior divisions; developing an understanding of the relationship of earth's peoples with their social and physical environments in the past and present focusing on Canada's First Nations and their relationship within their own communities and within the country as a whole; promoting insights into the global community and its implications for the life of today's pupil.

EDUC 4179E Curriculum Methods (Primary/Junior), Part II

Prerequisite: EDUC 4178E
Credits: 2

A study of teaching and learning in the Primary and Junior Divisions, relevant to selected models of instruction and considering the distinctive needs of Aboriginal students. An introduction to the role of educational media in the teaching-learning process, stressing the unique characteristics of various media, the principles of effective preparation and application of teacher materials. A study of computers in an educational setting leading to basic skills in the operation of a microcomputer.

EDUC 4187E Education and Schooling/Special Education (Primary/Junior), Part II

Prerequisite: EDUC 4186E
Credits: 3

A continuation of the study of the philosophy and sociology of education in the Primary and Junior Divisions; a study of the needs of exceptional children; background knowledge and evaluative skills for curricular decisions.

Successful students will be recommended to the Ontario College of Teachers for an extension of the Certificate of Qualification (Limited).

Internship Two**EDUC 4674E Observation and Practice Teaching (Primary/Junior)**

Prerequisite: EDUC 4664E
Credits: 3

Students enrol in EDUC 4674E: Observation and Practice Teaching (Primary/Junior) and teach in a primary or junior classroom under the supervision of local school authorities and Nipissing faculty.

Note: Successful candidates will be recommended to the Ontario College of Teachers for a Certificate of Qualification in the Primary/Junior Division.

Academic Regulations/Information

The following regulations apply to students registered in the NCADP, NSEADP and ATPC programs.

Academic Advising

Students in the Faculty of Education who need advice on any academic matter should consult with the principal of the programs.

Academic Dishonesty

The University takes a very serious view of such offenses against academic honesty as plagiarism, cheating, and impersonation. Penalties for dealing with such offenses will be strictly enforced. The complete policy on Academic Dishonesty is in the Policies section of the Calendar.

Academic Standing

Students in a NCADP or NSEADP diploma program are in good academic standing if they have:

- satisfied all conditions of admission;
- attained a minimum average of 60% on all passed courses taken at Nipissing University during the previous academic year or in the previous 30 credit attempts;
- maintained a minimum average of 60% on all passed courses taken at Nipissing University;

- d) completed the required first year introductory level course(s) with a minimum grade of 60% (or equivalent, if taken elsewhere) after no more than two attempts.

Appeals

Please refer to the Policies section of the Calendar.

Attendance

Punctual and regular attendance is essential for the successful completion of the program. Students who do not demonstrate regular attendance may be required to withdraw from their program unless medical documentation or other authorized documentation, deemed appropriate by the Faculty, is received.

Final Examinations

Final examinations for each course are mandatory, except where otherwise approved by Senate.

Review of Final Examinations

Students may request in advance to view their examination papers in the Office of the Registrar. Upon request by a student, and at a time mutually agreed upon by the instructor and student, the instructor shall review the examination paper in the presence of the student. The closing date to request reviews is one month after the release of marks.

Special Final Examinations

Students who are unable to write final examinations because of illness or other circumstances beyond their control, or whose performances on the examination has been impaired by such circumstances, may on application, be granted permission to write a special final examination. Such application must:

1. be made in writing to the Dean of Education not later than one week after the date of the examination; and
2. be fully supported in the cases of illness by a medical certificate or by the appropriate documents in other cases.

The petition for such special examinations must be filed within a week of the day of the regular examination.

There will normally be a fee for special examinations.

Grades and the Basis for Assessment

Letter Grades and Grading Standards

"A" – (80-100%)
 "B" – (70-79%)
 "C" – (60-69%)
 "D" – (50-59%)
 "F" – (0 - 49%)

"A" indicates Exceptional Performance: comprehensive in-depth knowledge of the principles and materials treated in the course, fluency in communicating that knowledge and independence in applying material and principles.

"B" indicates Good Performance: thorough understanding of the breadth of materials and principles treated in the course

and ability to apply and communicate that understanding effectively.

"C" indicates Satisfactory Performance: basic understanding of the breadth of principles and materials treated in the course and an ability to apply and communicate that understanding competently.

"D" indicates Minimally Competent Performance: adequate understanding of most principles and materials treated in the course, but significant weakness in some areas and in the ability to apply and communicate that understanding.

"F" indicates Failure: inadequate or fragmentary knowledge of the principles and materials treated in the course or failure to complete the work required in the course.

"I" indicates Incomplete.

"W" indicates Withdrawal with permission.

Aegrotat Standing

Aegrotat standing (credit granted with incomplete course work) will be considered only in exceptional circumstances (usually only in cases of serious illness) and if term work has been of high quality.

Determination of Final Grades

- a) A student's grade in each course will be based upon the year's work, and the final examination if applicable;
- b) The final examination will not make up more than 70% or less than 30% of the final grade in each course;
- c) The instructor will discuss with the class the basis for assessment specifying the relative weight of each examination, test, in-class activity and written assignment;
- d) The instructor will also specify which assignments must be completed in order to receive a grade in the course;
- e) The method of determining final grades is to be discussed with students;
- f) The instructor must inform students of their standing prior to the date for honourable withdrawal from the course. If no written term work has been evaluated by that date, the information shall be given in the form of a written statement of the student's standing;
- g) The instructor is required to return to students all written work, other than final examinations, which has been submitted for evaluation purposes. Students may discuss with their instructor the work presented, the comments made, and the grade assigned;
- h) Final evaluation submissions are not returned to students but are kept on file by the Office of the Registrar for six months after the publication of Grade Reports;
- i) For each course, a final marks sheet is completed, signed by the Instructor and submitted to the Dean for approval within five calendar days of the exam. The Dean's signature indicates that the marks submission is consistent with existing practices and policies of the Faculty. Revisions to any previously assigned grade are submitted in writing for the approval of the Dean, together with the reasons for such revisions. Grades are not official until they have been approved by the Dean and released by the Office of the Registrar;
- j) The final marks issued by Nipissing University are the only ones accepted as binding.

Incomplete Grades

In exceptional circumstances, a student may request consideration for an Incomplete grade (I). Such a request must be submitted in writing, through the instructor to the Dean of Education, together with reasons for the request.

Any student assigned an Incomplete grade must complete all course requirements within one month after the end of the examination period. If after that period the course is not completed or an extension has not been granted by the Dean of Education, a grade "F" will be recorded on the student's academic record.

In order to be considered for an extension of the completion date beyond the normal one month period, a student must submit a written request to the Dean of Education, through the instructor, explaining the reasons for such an extension. Under no circumstances may a completion date exceed six months from the end of the examination period.

Release of Final Grades

Final grades will be withheld from any student who has an outstanding account at the University or Library and such students will forfeit their right to appeal grades.

Transcript of Records

Graduates will be given one transcript of their academic record. Other requests for official transcripts must be made through the Office of the Registrar. The fee for transcripts is published in the Fee Section of this Calendar, and is due before the request is processed. Transcripts must be requested in writing or in person; telephone requests will not be accepted.

Diploma/Certificate Requirements

To graduate with a NCADP Diploma, students must:

- a) satisfy all stated requirements for the diploma;
- b) students must be successful in all practicum sessions.
- c) students must have an overall average of 60% with no less than a 50% in any course and no less than 60% in

EDUC 1012E NCADP Primary Methods I
 EDUC 1022E NCADP Junior Methods I
 EDUC 2011E NCADP Primary Methods II
 EDUC 2021E NCADP Junior Methods II
 EDUC 3011E NCADP Primary Methods III
 EDUC 3021E NCADP Junior Methods III

To graduate with a NSEADP Diploma, students must:

- a) satisfy all stated requirements for the diploma;
- b) students must be successful in all practicum sessions.
- c) students must have an overall average of 60% with no less than a 50% in any course and no less than 60% in

EDUC 1112E NSEADP Methods I
 EDUC 1122E NSEADP Methods II
 EDUC 2111E NSEADP Methods III
 EDUC 2121E NSEADP Methods IV

To graduate with an ATPC certificate and to be recommended to the Ontario College of Teachers for an Ontario Teaching Certificate students must:

- a) satisfy all stated requirements for the program;
- b) students must be successful in all practicum sessions.
- c) complete all required courses with a minimum of 60% in each course

Master of Education Program

The Master of Education (MEd) program is designed to prepare educational leaders for learning environments such as classrooms, schools and other learning organizations.

How to Apply

The Master of Education (MEd) program is available on a part-time basis in Barrie, Bracebridge, North Bay, Sault Ste. Marie, Sudbury, Timmins, and York Region.

Application forms for admission to the MEd program can be obtained from the Office of the Registrar. Applications must be received by March 29, 2002 for Summer admission, June 7, 2002 for Fall admission and October 18, 2002 for Winter admission. It is the applicant's responsibility to ensure that all documents are submitted by the required deadline date. Incomplete applications will not be processed.

Required Documentation

The following documents must be submitted to the Office of the Registrar before an application for the Master of Education program will be evaluated:

- a) the MEd application form completed in full and accompanied by the non-refundable application fee;
- b) official transcript(s). Official transcripts must be forwarded directly, from all universities attended, to the Office of the Registrar at Nipissing University. (Foreign transcripts not written in English must be accompanied by an officially certified English translation);
- c) two confidential references, one professional and one academic, sent directly by the referees. References received from the applicant will not be considered. Use the forms entitled Professional Recommendation and Academic Recommendation enclosed with the application form;
- d) copies of documents attesting to teacher education or teacher certification, if applicable;
- e) a résumé detailing professional and educational experience and a typed statement of 500 words or less explaining the value of undertaking a Master of Education program in your teaching/learning environment;
- f) official TOEFL score for applicants whose first language is not English. A minimum score of 600 on the paper based test or of 250 on the computer based test is required.

Admission Requirements

To be eligible for admission consideration to the MEd program, applicants must meet the following minimum criteria:

- a) Proof of graduation with an approved undergraduate degree from an accredited university with at least a "B" standing; Preference will be given to students with a four-year undergraduate degree. Admission average is determined by grades received on the applicant's undergraduate degree;

- b) Two confidential references; one attesting to the academic ability of the applicant, and the other to professional standing and experience;
- c) Approved teaching certificate or equivalent;*
- d) One year of professional experience in education or equivalent;**
- e) A résumé detailing professional and educational experience and a typed statement of 500 words or less explaining the value of undertaking a Master of Education program in your teaching/learning environment;
- f) Official TOEFL score for applicants whose first language is not English. A minimum score of 600 on the paper based test or of 250 on the computer based test is required.

If the previous program undertaken by the student shows gaps or weaknesses, additional course work or other study may be required. Such work will not necessarily count toward the requirements for the MEd degree.

* For example, persons with suitable educational experience in a field that does not require teaching certification (e.g. CAAT instructors, nurses, etc.) will be considered for special admission.

** For example, persons with suitable professional experience in a field other than education will be considered for special admission.

Admission With Advanced Standing

Master of Education candidates may receive advanced standing for a maximum of four graduate three-credit courses completed prior to the time of application to Nipissing. Advanced standing will only be considered for those courses taken within six years of enrolment in the MEd program. Requests for advanced standing will be considered only at the time of application for admission and only for graduate courses completed with a grade of "B" or higher.

Registration Procedures and Regulations

Those admitted to the MEd program will be sent a registration package along with their offer of admission.

Course Changes

Course changes are not permitted after the dates listed in Column A below.

It is the student's responsibility to initiate course changes. Neither a verbal request for a change, nor an informal change will be accepted as valid. Students must apply through the Office of the Registrar to initiate any changes.

A course from which withdrawal is made before the date specified in Column B will not be recorded on the student's academic record.

A course from which withdrawal is made after this date but before the date specified in Column C will be recorded on the student's academic record as a "W" (Withdrawal).

If a student withdraws after the date specified in Column C, a grade of "F" (Fail) will automatically be assigned.

Unless this procedure is followed within the specified deadlines no credit adjustment will be made to the student's account and the student's academic record will indicate a failure in the course rather than a withdrawal.

	Last date to change courses	Courses will be recorded on academic transcript after this date	Last date to withdraw without academic penalty
Session	Column A	Column B	Column C
Summer 3-credit courses	July 11/02	July 11/02	July 19/02
Fall 3-credit courses	Sept. 27/02	Sept. 27/02	Nov. 1/02
Winter 3-credit courses	Jan. 17/03	Jan. 17/03	Feb. 21/03

Charges and Fees

General Information

This Calendar is published several months in advance of the academic year. The University reserves the right to change fees and refund policies without notice.

Non-payment of fees may render a student ineligible for registration in future sessions. In addition, students who are in financial arrears to the University will not be issued their transcripts of record, statement of standing, or related evidence of their academic progress until such time as their accounts are cleared.

Payment of academic fees does not imply a student's acceptance to the University or approval of their registration. Academic requirements have to be satisfied before registration is completed.

Payment of Fees

Registrations will not be processed unless they are received with a minimum \$100 deposit for each session in which a student registers. The balance of fees owing must be paid by the session start date regardless of the first day of classes. See Payment Due Dates (below).

A late payment service charge of \$35 will be levied on all outstanding balances at the dates noted below for each session. An additional late payment service charge of \$35 may be levied on balances outstanding at the end of the session.

Tuition and fees owing should be paid in full by the session start date, by cheque, money order, MasterCard or VISA credit card. Verbal credit card authorizations are not permitted. Any student who issues a cheque for payment to Nipissing University and whose cheque is returned to the University for any reason will be subject to a service charge of \$40 for cheques equal to or greater than \$250.00, and \$20.00 for cheques less than \$250.00. If payment is sent by mail please ensure that your Nipissing University student number is recorded on the front of the cheque. Payments sent by mail and postmarked by midnight of

the deadline date will be accepted without penalty. Regardless of the date on the cheque, unless it is received in the Finance Office by the dates specified below, the student will be subject to a late payment service charge of \$35.

Fees: Part-time Students

All students should refer to the Other Fees section below for additional charges that may apply to them.

A. Canadian Citizens, Permanent Resident and International Students exempt from Visa requirements (see index for International Student Fees).

Tuition:	
per 12-credit course	\$2,244.00 ⁽¹⁾
per 6-credit course	1,122.00 ⁽²⁾
per 3-credit course	561.00

International Students (as at Registration):

per 12-credit course	9,990.00
per 6-credit course	4,995.00
per 3-credit course	2,497.50
Auditor Fees per 3-credit course	70.00

Other Fees

Incidental Fees per 3-credit course (see below)	24.25
Material Production Fees per 3-credit course	12.50

B. Senior Citizens

Nipissing University welcomes senior citizens (60 years of age or over as at the date of registration) as students. Regular tuition and incidental fees are applicable for senior citizens, however a tuition fee waiver may be available upon request. Please direct inquiries regarding this waiver to the Financial Aid Office.

C. Payment Options:

- (1) Thesis
 - a) Payment in full at time of registration;
 - b) Three installment payments paid over three semesters. The installment payment will be equivalent to 1/3 of the tuition and incidental fees for the twelve-credit course in effect for that semester plus an installment fee of \$20 per semester.

Students continuing to work on their thesis after the 3rd semester and not enrolled in any MEd course will be subject to a \$26.50 continuance fee per academic semester until completion of the thesis.

- (2) Research Paper

- a) Payment in full at time of registration
- b) Two installment payments paid over two semesters. The installment will be equivalent to the tuition and incidental fees for a three-credit course in effect for that semester plus an installment fee of \$20 per semester.

Students continuing to work on their research papers after the 2nd semester and not enrolled in any MEd course will be subject to a \$26.50 continuance fee per academic semester until completion of the paper.

Other Fees

A. Incidental Fees

	Part-time per 3-credit course
* Athletics	\$2.50
* Health Services	N/A
* Student Services Fee	4.75
* E-mail/Internet Access Fee	5.00
* Student Insurance Plan	N/A
* Student ID Card	1.50
* Nipissing University Student Union	6.50
* Canadian Federation of Students	N/A
* Student Centre Levy	4.00
Total Incidental Fees	\$24.25

* non-refundable fees

B. Additional Course Fees

	Part-time per 3-credit course
Material Production Fee	12.50

C. Service Fees

	Part-time
Late Registration fee	30.00
MEd Application fee	50.00
Replacement ID Cards	8.50
Duplicate T2202A Receipt	5.00
Transcript fee (payable in cash or money order for each copy ordered)(1)	8.00
Locker Rental (contact Campus Shop)	20.00
Installment Fee	20.00
Replacement Diploma	35.00
Letter of Permission	15.00
Advanced Standing/Transfer Credit	25.00
* Special Final Examinations	56.00
Master's Program(2) Continuance Fee	26.50
Parking (Contact Security Office)	

* Non-refundable fees

- (1) Transcripts may be ordered by fax and charged to your MasterCard or VISA credit card. Verbal credit card authorizations are not permitted. Along with your request, please include your student number, credit card number, expiry date and signature. Requests should be faxed to the Office of the Registrar at (705) 495-1772.

- (2) Students not registered in an MEd course during an academic semester will be subject to a continuance fee of \$26.50. Students failing to comply with this regulation will be assumed to have withdrawn from the program and will have to apply for re-admission.

Statements of Account

If students have outstanding balances, a statement will be mailed to their permanent address. Please note that statements of account are not automatically mailed after each transaction. If you add courses after confirmation of registration, you are financially responsible for those courses. If for some reason students do not receive their statement of account, they are still responsible for paying any outstanding balance by the due dates. Inquiries concerning account balance should be directed to the Finance Office.

Receipt for Income Tax

Tuition and Education Credit Certificates (T2202A's) will be mailed by the end of February to the permanent address of all students. There will be a charge of \$5.00 for preparation of duplicate receipts.

Withdrawal and Tuition Fee Adjustment

By registering, students undertake to pay all fees for the entire year regardless of the arrangements made for deferred payments. Students wishing to withdraw from a course or courses must apply to do so on the appropriate form through the Office of the Registrar. Stopping payment on a cheque presented at registration does not constitute official withdrawal. After the request has been approved by the Faculty Dean and returned to the Office of the Registrar, the student is then officially withdrawn and may be eligible for a credit of a portion of tuition fees to their account. The amount of the credit of fees is calculated from the date the withdrawal letter is received by the Office of the Registrar.

Payment Due Dates: Part-time Students

Master of Education	Deposit	Late Registration Fees Charged After This Date	Full Balance Due On Or Before This Date
Summer 2002	Upon Registration	June 7/02	July 8/02
Fall/Winter 2002–2003			
1st Term	Upon Registration	Aug. 16/02	Sept. 9/02
2nd Term	Upon Registration	Dec. 6/02	Jan. 10/03

Tuition Credit Schedule

Tuition fee credits will be calculated according to the schedule below. If a credit remains on a student's account after all fees are paid, a refund cheque will be issued.

Summer (3-credit course)		Tuition Fee Credit
Before session begins	July 8, 2002	100%
On or before	July 10, 2002	90%
On or before	July 11, 2002	75%
On or before	July 17, 2002	50%
On or before	July 18, 2002	25%
After	July 18, 2002	0%

Fall (3-credit course)

On or before	September 9, 2002	100%
On or before	September 16, 2002	90%
On or before	September 27, 2002	75%
On or before	October 11, 2002	50%
On or before	October 25, 2002	40%
On or before	November 1, 2002	25%
After	November 1, 2002	0%

Winter (3-credit course)

On or before	January 10, 2003	100%
On or before	January 17, 2003	90%
On or before	January 24, 2003	75%
On or before	February 7, 2003	50%
On or before	February 14, 2003	40%
On or before	February 21, 2003	25%
After	February 21, 2003	0%

Graduation

Graduation Procedures

Students must complete an Application for Graduation with the Office of the Registrar at Nipissing when they are taking their final course(s).

Forms are available from the Office of the Registrar and must be returned before the deadline specified in the Academic Year. Applications received after the deadline will be applied to the following graduation.

Residence Requirements

To be eligible to receive a Nipissing degree, students must complete at least 18 credits at Nipissing.

Academic Regulations/ Information

Academic Dishonesty

The University takes a very serious view of such offences against academic honesty as plagiarism, cheating, and impersonation. Penalties for dealing with such offences will be strictly enforced. The complete policy on Academic Dishonesty is in the Policies section of the Calendar.

Auditor

An auditor is a student who is admitted to a course, and who may participate in class discussion, but who may not hand in assignments or write examinations. An auditor does not receive credit for the course.

Students who enrol as auditors must indicate this on the normal registration form.

Students not admitted to the Master of Education Program must meet the minimum entrance requirements for admission before they will be considered eligible to audit a course.

Class Hours

- Fall/Winter Session classes are normally scheduled over a series of weekend workshops, or on weekly evening sessions;
- The number of hours of lecture per course and associated tutorials or laboratories, if any, is usually shown under the course description in the University Calendar;
- Class hours will total at least 36 hours per three-credit course.

Course Identification

Nipissing University courses are numbered as follows:

Four letters to indicate the department or subject;
Four numbers to designate the course;
One letter to indicate the language of instruction;
One letter to indicate the particular section of a given course.

Example

EDUC	5157	E	A
Department (Education)	Course Number	Language of Instruction	Section

The first and fourth digits in the course number are particularly significant.

The first digit (5) indicates that the course is a Master's level course.

The fourth digit indicates whether the course is a six-credit course or a three-credit course.

fourth digit 5 = a six-credit course
fourth digit 6 or 7 = a three-credit course

One letter indicates the language of instruction; "E" for English, or "F" for French. Courses described in English are taught in English and courses described in French are taught in French.

Course Loads/Overloads

Part-time students enrolled in the MEd program will normally be allowed to register in one three-credit course, plus either the research paper or thesis, in each of the Fall and Winter Sessions. Applications for overload should be directed to the Chair of Graduate Studies.

Summer Sessions

Part-time students enrolled in the MEd program will normally be allowed to register in a total of two three-credit courses, plus either the research paper or thesis, during the Summer Session.

Forced Withdrawal

Students may be forced to withdraw from the program if they fail to fulfil the stated requirements of the program.

The status of any student who obtains a grade of less than “B” in more than one 3-credit course will be reviewed by the Graduate Studies Committee. This review may result in the withdrawal of the student from the program.

The status of any student who obtains a failing grade in the Research Paper, Thesis or Comprehensive exam will be reviewed by the Graduate Studies Committee, which may result in the withdrawal of the student from the program.

Final Examinations

Final examinations will be held at the discretion of the instructor.

Comprehensive Examination

Students completing the MEd program through the course route are required to successfully complete a comprehensive exam. All course requirements must be completed prior to writing the comprehensive exam.

The comprehensive exam is scheduled for the third Saturday in January and the third Saturday in July. Candidates wishing to write the examination must forward a letter of application to the Office of the Dean of Education by October 31 for the January exam date and by March 31 for the July exam date.

Prior to the examination, candidates will be provided with a series of questions for study purposes. Further information on the comprehensive exam can be obtained by contacting the Administrative Assistant to the Dean of Education.

Students may make only two attempts to complete the comprehensive exam.

Review of Final Examinations

Students may arrange to view their course examination papers in the Office of the Registrar. Upon request by a student, and at a time mutually agreed upon by the instructor and student, the instructor shall review the examination paper in the presence of the student. The closing date to request reviews is one month after the release of marks.

Special Final Examinations

Students who are unable to write final examinations or the comprehensive examination because of illness or other circumstances beyond their control, or whose performance on the examination has been impaired by such circumstances, may, on application, be granted permission to write a special final examination. Such application must:

- a) be made in writing to the Dean of Education no later than one week after the date of examination; and

- b) be fully supported in the cases of illness by a medical certificate or by appropriate documents in other cases.

The petition for such special examinations must be filed within a week of the day of the regular examination.

There will normally be a fee for a special examination.

Grades and the Basis for Assessment

Letter Grades and Grading Standards

“A” – (80–100%)

“B” – (70–79%)

“C” – (60–69%)

“D” – (50–59%)

“F” – (0–49%)

“A” indicates *Exceptional Performance*: comprehensive in-depth knowledge of the principles and materials treated in the course, fluency in communicating that knowledge and independence in applying material and principles.

“B” indicates *Good Performance*: thorough understanding of the breadth of materials and principles treated in the course and ability to apply and communicate that understanding effectively.

“C” indicates *Satisfactory Performance*: basic understanding of the breadth of principles and materials treated in the course and an ability to apply and communicate that understanding competently.

“D” indicates *Minimally Competent Performance*: adequate understanding of most principles and materials treated in the course, but significant weakness in some areas and in the ability to apply and communicate that understanding.

“F” indicates *Failure*: inadequate or fragmentary knowledge of the principles and materials treated in the course or failure to complete the work required in the course.

“I” indicates *Incomplete*.

“W” indicates *Withdrawal* with permission.

Aegrotat Standing

Aegrotat standing (credit granted with incomplete course work) will be considered only in exceptional circumstances (usually only in cases of very serious illness) and if term work has been of high quality.

Determination of Final Grades

- a) A student’s grade in each course will be based upon the year’s work, and the final examination if applicable;
- b) The final examination will not make up more than 70% or less than 30% of the final grade in each course;
- c) The instructor will discuss with the class the basis for assessment specifying the relative weight of each examination, test, in-class activity and written assignment;
- d) The instructor will also specify which assignments must be completed in order to receive a grade in the course;
- e) The method of determining final grades is to be discussed with students;
- f) The instructor must inform students of their standing prior to the date for honourable withdrawal from the course. If no written term work has been evaluated by that date, the information shall be given in the form of a written statement of the student’s standing;

- g) The instructor is required to return to students all written work, other than final examinations, which has been submitted for evaluation purposes. Students may discuss with their instructor the work presented, the comments made, and the grade assigned;
- h) Final evaluation submissions are not returned to students but are kept on file by the Office of the Registrar for six months after the publication of Grade Reports;
- i) For each course, a final marks sheet is completed, signed by the Instructor and submitted to the Dean for approval within five calendar days of the exam. The Dean's signature indicates that the marks submission is consistent with existing practices and policies of the Faculty. Revisions to any previously assigned grade are submitted in writing for the approval of the Dean, together with the reasons for such revisions. Grades are not official until they have been approved by the Dean and released by the Office of the Registrar;
- j) The final marks issued by Nipissing University are the only ones accepted as binding.

Incomplete Grades

In exceptional circumstances, a student may request consideration for an Incomplete grade (I). Such request must be submitted in writing, through the Instructor to the Dean of Education.

Any student assigned an Incomplete grade must complete all course requirements within one month after the end of the examination period. If after that period the course is not completed or an extension has not been granted by the Dean, a grade "F" will be recorded on the student's academic record.

In order to be considered for an extension of the completion date beyond the normal one month period, a student must submit a written request to the Dean, through the Instructor, explaining the reasons for such an extension. Under no circumstances may a completion date exceed six months from the end of the examination period.

Release of Final Grades

Final grades will be withheld from any student who has an outstanding account at the University or Library and such students will forfeit their right to appeal grades.

Appeals

Please refer to the Policies section.

Letter of Permission

A student may be permitted to take up to four three-credit courses at another university for credit. Details are available from the Administrative Assistant to the Dean of Education.

Students enrolled at another Ontario university may be admitted to Nipissing University for purposes of transfer of credit to their home university. Documentation: Completion of the Ontario Visiting Graduate Student Application form signed by their home university.

Students from outside the Province of Ontario must provide a Letter of Permission from their home university. It is the student's responsibility to send an official transcript of grade(s) to the Office of the Registrar of their home university.

Number of Attempts to Complete a Course

Students may make only two attempts to complete a course.

Portfolio

Candidates are required to maintain a portfolio of work completed in the Master of Education program. The contents of the portfolio may be used by the candidate, the candidate's advisor, and the supervisor in identifying a research focus and questions.

Program Advising

Students in the Master of Education program who need advice on the MEd program should consult with the Administrative Assistant to the Dean of Education.

Once enrolled in the program, students will be assigned a Faculty Advisor.

Senate Changes to Degree Requirements

Degree requirements that are in any way modified by Senate in one calendar year will apply to students admitted the following calendar year. Students currently enrolled may choose to graduate under either the new regulations or the previous regulations. However, they must choose one or the other set of regulations in its entirety.

Transcripts of Records

Graduates will be given one transcript of their academic record. Other requests for official transcripts must be made through the Office of the Registrar. The fee for transcripts is published in the Fee Section of this Calendar, and is due before the request is processed. Transcripts must be requested in writing or in person; telephone requests will not be accepted.

Degree Requirements

Candidates must satisfy all of the stated requirements for the degree.

Credit will not be granted for courses with a grade of less than "B".

Students may complete the program through one of the following routes: Thesis Route, Research Paper Route, or Course Work Route.

All students must successfully complete the following core courses:

- EDUC 5116E Principles of Curriculum and Instruction
3 cr.
- EDUC 5157E Survey of Research Methods 3 cr.
- EDUC 5336E Educational Leadership 3 cr.

Plus **one** of the following curriculum cluster of courses:

- EDUC 5236E Curricular Strategies 3 cr.
- EDUC 5246E Curriculum Issues 3 cr.
- EDUC 5416E Developing Curriculum for Adult Learners
3 cr.
- EDUC 5256E Program Evaluation 3 cr.

Plus **one** of the following leadership cluster of courses:

- EDUC 5316E Organizational Theory 3 cr.
- EDUC 5326E Organizational Management 3 cr.

- EDUC 5356E Supervision of Instruction 3 cr.
 EDUC 5136E Models of Teaching 3 cr.
 EDUC 5346E Interpersonal Relations in Administration
 3 cr.
 EDUC 5146E Reflective Practice 3 cr.

Students pursuing the thesis route must successfully complete one additional three-credit MEd course and EDUC 5454E Master's Thesis. EDUC 5454E is equivalent to twelve credits.

Students pursuing the research paper route must successfully complete three additional three-credit MEd courses and EDUC 5115E Research Paper. EDUC 5115E is equivalent to six credits.

Students pursuing the course work route must successfully complete five additional three-credit MEd courses and a comprehensive exam.

Period of Study

Degree requirements must be met within six years from the date of first registration.

All courses will not be available on a yearly basis. Candidates enrolled in the program should check with the Administrative Assistant to the Dean of Education to see which courses will be offered in each particular year.

Master of Education Courses

EDUC 5454E Master's Thesis

Prerequisite: EDUC 5157E

Credits: 12

Instructions regarding the Master's Thesis are on file in the Office of the Dean of Education.

Candidates interested in pursuing the thesis option must obtain permission from their Faculty Advisor prior to enrolling in the thesis. Candidates must complete the Application to Complete a Thesis form and have it signed by their Faculty Advisor. The completed form must be submitted to the Office of the Registrar when registering for the thesis. Forms can be obtained from the Office of the Dean of Education.

EDUC 5115E Research Paper

Prerequisite: EDUC 5157E

Credits: 6

An individual investigation or analysis of a special area in contemporary educational practice. The topic of the research paper must be approved by the student's faculty adviser. Upon approval of the topic outline, each student will be assigned a research paper supervisor who will also supervise and guide the student during the preparation of the paper. Please refer to the MEd Research Handbook for further information.

Candidates interested in pursuing the research paper option must obtain permission from their Faculty Advisor prior to enrolling in the research paper. Candidates must complete the Application to Complete a Research Paper form and have it signed by their Faculty Advisor. The completed form must be submitted to the Office of the Registrar when registering for the research paper. Forms can be obtained from the Office of the Dean of Education.

EDUC 5116E Principles of Curriculum and Instruction

Hours: Thirty-six hours of lecture per semester.

Credits: 3

The goal of this course is to develop an awareness and understanding of the underlying principles and philosophies of current curriculum development and instructional methods.

EDUC 5126E Theories of Learning

Hours: Thirty-six hours of lecture per semester.

Credits: 3

The course provides an overview of behaviorist, humanist and developmental theories of learning with an emphasis on the implications for curriculum development and the improvement of instruction.

EDUC 5136E Models of Teaching

Hours: Thirty-six hours of lecture per semester.

Credits: 3

The purpose of this course is to investigate a range of teaching models appropriate for individualized, small group and large group instruction.

EDUC 5146E Reflective Practice

Hours: Thirty-six hours of lecture per semester.
Credits: 3

Reflective Practice, a component of the core requirements of the MEd program, is designed to encourage candidates to analyze their own teaching styles and to investigate useful strategies for increasing their instructional effectiveness.

EDUC 5156E History of Education in Canada

Hours: Thirty-six hours of lecture per semester.
Credits: 3

History of Education in Canada offers MEd candidates the opportunity to develop an understanding of educational change and continuity in Canada's past. Candidates will explore the reasons for change and continuity, gain understanding of the historical approach to knowledge construction, and develop an understanding of ways in which the past influences present educational endeavors.

EDUC 5157E Survey of Research Methods

Hours: Thirty-six hours of lecture per semester.
Credits: 3

The purpose of this course is to provide an overview of methods of educational research.

EDUC 5176E Education Law in the Schools

Hours: Thirty-six hours of lecture per semester.
Credits: 3

The purpose of this course is to examine the legal environment of elementary and secondary schools, including constitutional rights, statutory mandates, and legislative control. To study the major areas of school law, students will investigate statutes, case law, and education policies that are related to the duties and responsibilities of teachers and others involved in education. Topics of discussion will include policy development, tort liability, and the impact of law on the context of teaching.

EDUC 5236E Curricular Strategies

Hours: Thirty-six hours of lecture per semester.
Credits: 3

An examination of systematic strategies for the tasks involved in the development and implementation of quality curriculum.

EDUC 5246E Curriculum Issues

Hours: Thirty-six hours of lecture per semester.
Credits: 3

The purpose of the course is twofold: 1) to examine major historical movements in the field of curriculum and 2) to consider current procedures and trends in curriculum development, implementation and evaluation.

EDUC 5256E Program Evaluation

Hours: Thirty-six hours of lecture per semester.
Credits: 3

The course involves an analysis of the components of an effective program and an examination of strategies utilized to evaluate curriculum and instruction in the schools.

EDUC 5316E Organizational Theory

Hours: Thirty-six hours of lecture per semester.

Credits: 3

The course will introduce students to the state of theory and research in organizations as applied to the study of educational administration.

EDUC 5326E Organizational Management

Hours: Thirty-six hours of lecture per semester.
Credits: 3

This course is designed as an examination of the behaviour of individuals and groups within educational organizations and the impact of these interactions on the management of the educational enterprise.

EDUC 5336E Educational Leadership

Hours: Thirty-six hours of lecture per semester.
Credits: 3

This course is designed to examine and understand the concept of leadership within the organizational structure of the educational bureaucracy.

EDUC 5346E Interpersonal Relations in Administration

Hours: Thirty-six hours of lecture per semester.
Credits: 3

This course is designed to develop an awareness of the principles of effective inter and intra group relations and of the various roles and functions of group leaders.

EDUC 5356E Supervision of Instruction

Hours: Thirty-six hours of lecture per semester.
Credits: 3

This course is designed to develop an awareness of an understanding of the principles and processes of supervising instruction within the framework of teacher growth.

EDUC 5416E Developing Curriculum For Adult Learning

Hours: Thirty-six hours of lecture per semester.
Credits: 3

This course will focus on the development of curriculum for adult learners and various factors that impinge upon the curriculum development process. Drawing upon a number of theorists, participants will be exposed to a number of current models for the development of curriculum for adult learning.

EDUC 5426E Developmental Reading

Hours: Thirty-six hours of lecture per semester.
Credits: 3

This course explores significant issues in the teaching/learning of language with a focus on the developmental aspects of reading. It will elaborate on current theory and practice that facilitate literacy acquisition for learners with a range of entering competencies.

EDUC 5436E Early Literacy

Hours: Thirty-six hours of lecture per semester.
Credits: 3

This course will explore emergent and early literacy, examining theoretical and practical issues related to the teaching of reading and writing at the early primary and primary levels.

EDUC 5446E Literature-based Instruction In Language

Hours: Thirty-six hours of lecture per semester.
Credits: 3

This course will review a selection of children's books and examine the function of a study of children's literature in the school program. It will focus on the relationships among literature study and reading/writing development in the Primary/Junior Divisions.

EDUC 5456E Issues in Special Education

Hours: Thirty-six hours of lecture per semester.
Credits: 3

Contemporary issues in the education of students with special needs; assessment and identification; service delivery models; instructional and social/emotional considerations; parent/professional relationships; research priorities; and transition to employment.

EDUC 5466E Adults as Learners

Hours: Thirty-six hours of lecture per semester.
Credits: 3

The course will focus on adults as learners with attention to theories of adult development, motivation to participate, and adult learning.

EDUC 5476E Mentoring in Reflective Practice

Prerequisite: EDUC 5146E

Hours: Thirty-six hours of lecture per semester.
Credits: 3

This course will provide MEd candidates with foundational knowledge, conceptual understandings and practical skills required to engage in mentoring activities with professional practitioners, who are undertaking processes involved in reflecting upon their practises.

EDUC 5486E Independent Study

Credits: 3

This course allows MEd candidates to pursue issues of professional relevance that are not dealt with in offered courses. The study will be designed, developed and implemented by the candidate, with the assistance of an MEd instructor.

EDUC 5516E Seminar on Information Technology: Topics and Issues

Hours: Thirty-six hours of lecture per semester.
Credits: 3

Examination and critical analysis of current research, issues, and topics relating to information technology with a primary focus on the impact of computer technology on society, the education system and instruction. Access to a computer is required.

EDUC 5526E Leadership in Action Research

Hours: Thirty-six hours of lecture per semester
Credits: 3

"Leadership in Action Research" has a two-pronged focus. First, it is designed to assist educational leaders in facilitating and mentoring action research projects conducted by their colleagues. Second, the course will assist these leaders in developing, implementing, and assessing action research projects. Stu-

dents will produce action research reports suitable for submission for publication in a variety of venues.

EDUC 5536E Issues in First Nations Education

Hours: Thirty-six hours of lecture per semester.
Credits: 3

Issues in First Nations Education offers MEd candidates the opportunity to develop an understanding of current theories and issues in First Nations education, with particular focus on their implications for curriculum and practice.

EDUC 5616E Assessment in Special Education

Hours: Thirty-six hours of lecture per semester.
Credits: 3

Assessment in Special Education will provide the opportunity for intensive study of the purpose, philosophy and means of assessing students with special needs. It is assumed that, as practising teachers, students will have experience and knowledge in the area of assessment. Upon this basic knowledge, the course will build students' ability to critique, evaluate and modify assessment practices. They will examine theory and research in assessment to create their own philosophy of assessment and to build their praxis.

EDUC 5617E Readings in Special Education

Hours: Thirty-six hours of lecture per semester.
Credits: 3

Readings in Special Education will provide students with the opportunity to read and discuss a broad selection of literature in Special Education. The intention of this course is to create a rich and deep understanding of the literature in the students' individual areas of interest, areas in which they are planning their thesis or major paper research. The students' reading will not be restricted to the literature relevant to their theses or major papers, but rather will draw broadly from the general topic areas.

EDUC 5626E Foundations of Special Education

Hours: Thirty-six hours of lecture per semester.
Credits: 3

Foundations of Special Education will provide an overview of the history, philosophy, and social context of special education. It is intended to provide the underpinning for ideas and concepts to be explored in advanced study in Special Education.

EDUC 5627E Practicum in Special Education

Prerequisite: EDUC 5616E

Hours: Thirty-six hours of lecture per semester.
Credits: 3

This course is intended to provide students with the opportunity to read and review the literature on a topic of interest in special education, and then to design, implement, and evaluate an application of the theory to educational practice. Students will develop a proposal for their Practicum based on their reading of the literature. Once their proposal is approved, students will implement their applications under the guidance of the professor. Regular reporting to and debriefing with the professor during the implementation phase is required. At the conclusion of the Practicum, students will write and submit a summary report in which they evaluate the success of their application. In addition to the time spent reading and reviewing the literature, reporting

to and debriefing with the professor, students in the course are expected to spend 50 contact hours in the implementation of their application.

EDUC 5636E Mental Health Issues in School Populations

Hours: Thirty-six hours of lecture per semester.

Credits: 3

This course is intended for persons preparing to be educational leaders. The intention of the course is to create awareness in educational leaders of the nature of mental health issues common in school age populations. Course participants will examine means by which students experiencing mental health issues, or who come from families experiencing mental health issues, may be identified and served. Measures that can be taken by administrators to support teachers working with students experiencing mental health issues are a major focus of the course. Another major focus of the course will be the actions administrators may take to create support for students experiencing mental health issues, effective ways of working with their parents, and with other agencies to better serve these students. Common concerns of teachers and administrators, such as the management of students' medications in the school setting, will be addressed.

EDUC 5637E Integrated Approaches to Language Curriculum

Hours: Thirty-six hours of lecture per semester.

Credits: 3

This course will provide candidates with opportunities to examine theories and principles underlying the integrated approach to the teaching, learning and assessment of language and literacy (oral, written, and media literacy). Critical perspectives on current and past developments related to language, teaching and the integrative process in specific contexts will also be addressed.

EDUC 5646E Creativity and Learning

Hours: Thirty-six hours of lecture per semester.

Credits: 3

This course will assist candidates who are interested in understanding the nature of creativity. Topically, it will focus on the creative person, creative thinking, creativity and culture, tests of creativity, and creativity in education. During the course, candidates will be encouraged to monitor any personal patterns of creative growth.

EDUC 5647E The Gifted Learner

Hours: Thirty-six hours of lecture per semester.

Credits: 3

This course offers MEd candidates the opportunity to critically analyze issues related to gifted education. Such issues include: 1) identification and screening procedures, 2) the development of creativity and task commitment, 3) the impact of home and school, and 4) the characteristics of gifted learners. Differences and similarities between gifted and talented learners will also be examined.

EDUC 5656E Models and Methods for Program Development with Gifted Learners

Hours: Thirty-six hours of lecture per semester.

Credits: 3

The course will analyze and integrate major contemporary models of curriculum and program development for gifted and tal-

ented learners. Theory, research and assessment measures will be explored and implications for educational application will be considered.

Nipissing University

Student Policies

Policy on Academic Dishonesty

The University takes a most serious view of such offences against academic honesty as plagiarism, cheating, and impersonation. Penalties for dealing with such offences will be strictly enforced.

Plagiarism

Essentially, plagiarism involves submitting or presenting work in a course as if it were the student's own work done expressly for that particular course when, in fact, it is not. Most commonly plagiarism exists when:

- a) the work submitted or presented was done, in whole or in part, by an individual other than the one submitting or presenting the work.
- b) parts of the work (e.g. phrases, ideas through paraphrase or sentences) are taken from another source without reference to the original author.
- c) the whole work (e.g. an essay) is copied from another source and/or
- d) a student submits or presents a work in one course which has also been submitted or presented in another course (although it may be completely original with that student) without the knowledge or prior agreement of the instructors involved.
- e) plagiarism should be noted and reported to the Dean.
- f) students should be informed of the University's definition and policy on plagiarism at the beginning of each course.

Cheating

Cheating at tests or examinations includes, but is not limited to, dishonest or attempted dishonest conduct such as speaking to other candidates or communicating with them under any circumstances whatsoever; bringing into the examination room any textbook, notebook, or memoranda not authorized by the examiner, or leaving answer papers exposed to view.

Penalties

A student guilty of academic dishonesty may be subject to the imposition of one or more penalties, of which those listed below shall be exemplary:

- a) assignment of a grade of zero in the assignment, test, or exam;
- b) assignment of a grade of zero in the course in which the offence is committed;
- c) suspension from attendance in all courses in which the student is registered at the time the offence was committed, and loss of credit for any course or courses which have not been completed or in which no grade or final evaluation has been registered at the time the offence was committed;
- d) suspension from the Faculty;
- e) expulsion from the Faculty;

- f) suspension from the University;
- g) expulsion from the University.

Withdrawal from a course will not preclude proceedings in respect of academic offences committed in the course, and the right to withdraw may be refused where an academic offence is alleged.

Instructor's Action

The initial responsibility for punitive action lies with the Instructor. The Instructor may assign a grade of zero for that particular assignment, test or exam, or may assign a grade of zero in the course.

The Instructor will advise the Department Chair, the Dean, and the Registrar of the action taken.

Suspension or Expulsion by Dean

The Dean of the Faculty may exercise his or her authority to suspend or expel the student from the Faculty.

The suspension or expulsion will be confirmed in writing to the student by registered mail and the Department Chair and the Registrar will be notified.

Suspension or Expulsion by President

If, upon suspending or expelling a student from a Faculty, the Dean determines that the severe sanction of suspension or expulsion from the University is warranted, such a recommendation may be made to the President who may act to expel or suspend the student from the University.

Appeals

1. A student who is assigned a grade of zero in an assignment, test, or examination may appeal the grade to the Senate Appeals Committee.
2. A student who is suspended or expelled from the University may appeal that decision to the Senate Committee on Student Academic Standing Appeals and Petitions Committee.
3. The final appeal in all cases shall be the appropriate Senate Committee.

Transcript Notation

1. The symbols AD (Academic Dishonesty) will be entered on the student's Academic Transcript.
2. The notation "suspended (or expelled) from the Faculty (or University) for academic dishonesty" will be entered on the student's Academic Transcript and Grade Report upon receipt of such a notice by the Registrar from the Dean.
3. The symbols RW (Required to Withdraw) will be entered in the grade column on the student's Academic Transcript or Grade Report in the courses in which he or she was

registered for that session except for the courses in which a "0" was given as a penalty or which have already been completed and a grade assigned.

4. The record of a student will be cleared of the notation "suspended (or expelled) for academic dishonesty" upon re-admission to and successful completion of a degree program. The zero grades given because of cheating will remain but the symbol AD will be changed to F. The symbol RW will remain as such.

Re-admission

1. A student who has been placed under suspension from a Faculty is conditionally eligible to reapply for admission or registration in the same Faculty at either the end of a specified time or thereafter.
2. A student under suspension from a Faculty may not apply or be considered for re-admission to the University in another Faculty until at least after the next regular Fall/Winter Session has passed.
3. A student who is expelled from a Faculty is dismissed permanently from the Faculty with no right to reapply for admission.
4. A student who is expelled from the University is dismissed permanently from the University with no right to reapply for admission.

Note: Suspension does not imply automatic re-admission. An interview and subsequent positive recommendation from the Dean must satisfy eligibility for re-admission.

Student Records Policy

The following policy on Student Records was approved at the February 12, 1993 meeting of the Academic Senate.

By applying for admission to Nipissing University and by registering in programs or courses at the University, students accept the University's right to collect pertinent personal information. The information is needed to assess students' qualifications for entry, to establish a record of their performance in programs and courses, to provide the basis for awards and governmental funding and to assist the University in the academic and financial administration of its affairs. Students also agree that all documentation which they submit to the University in support of an application for admission, residence accommodation, financial award or any appeal or petition becomes the property of the University.

The University is committed to taking every reasonable step to protect the confidentiality of the information contained in the records of students. Unless compelled to do so by law, or authorized by the student in writing, the University will not disclose the contents of student records to any party outside the University.

A record of students' achievements at the University is preserved permanently, but all other documentation contained in students' files will be destroyed when no longer required.

Information Contained in Student Records

A student's record consists of the following components:

- a) personal information (name, address, telephone number, date of birth, citizenship, Social Insurance Number, gender, etc.) Each student is required to provide either on application for admission or on personal data forms required for registration, his or her complete legal name. Any requests to change a name, by means of alteration, deletion, substitution or addition, must be accompanied by appropriate supporting documentation. Upon making application for graduation, a student may be asked to provide proof of his or her name;
- b) basis of admission (application, record of previous studies, letters of recommendation, test results, etc.);
- c) enrolment information (programs of study, dates of attendance, courses followed);
- d) performance information (examination results, narrative evaluations, distinctions, sanctions, degrees obtained);
- e) results of petitions and appeals filed by the student;
- f) medical information relevant to a student's academic performance, and provided at the request, or with the consent, of the student.

Storage and Conservation of Records

The University stores student records in physical (paper) and in electronic (machine-readable) form.

- a) Physical records are stored in the Office of the Registrar. Each student's file will normally contain:
 - (i) all letters and admission forms which bear the signature of the student;
 - (ii) official supporting documentations provided by, or at the request of, the student (e.g. record of previous studies, letters of recommendation, medical certificates);
 - (iii) other factual* documentation considered pertinent to the student's studies.
 - b) Electronic records contain all the information required to monitor the progress and performance of students, produce periodic performance reports, and provide attestations of achievement and official transcripts. They also form the basis of management information needed for the operation of the University and for enrolment reports and statistical information required by government agencies.
- * Unsubstantiated allegations or accusations are not incorporated in students' records. Computer-generated performance reports can be readily reproduced and are, therefore, not necessarily preserved as part of the physical records.

Record Retention

- a) Physical records will normally be destroyed three years after graduation or last attendance at the University.
- b) Documentation submitted by applicants who are not accepted, or by applicants who fail to enrol following acceptance, is normally destroyed at the end of each admission cycle.
- c) All portions of a student's electronic record which are needed to produce official transcripts are maintained permanently.

Access to Records and Disclosure of Information

a) Public Access

It is University policy to not make any information freely available to inquirers. This includes the student's name, current registration status, field of studies, and degrees awarded by the University.

Note: Student name and student ID number should not appear together on class lists, seminar lists, grade reports, etc., when they may be seen by the public.

b) Student Access

- (i) Students have the right to inspect all documents contained in their own record, with the exception of evaluations and letters of reference supplied to the University with the understanding that they be kept confidential.
- (ii) Students have the right to request that erroneous information contained in their records be corrected, and that recipients of any information found to be in error be advised of the correction.
- (iii) Students wishing to inspect their records must make an appointment with an authorized official of the Office of the Registrar.
- (iv) Upon written request of the Office of the Registrar, students whose fee account shows no outstanding balance may obtain an official transcript of their record of studies at the University or have copies sent to a third party.
- (v) All official transcripts will be complete and unabridged. Partial transcripts cannot be issued.
- (vi) Documents pertaining to a student's achievement at another institution, which may have been received by the University, will not normally be released or redirected.
- (vii) Final and official grades may only be released by the Office of the Registrar. Students may request their grades only after they are released by the Office of the Registrar.

c) Employee Access

Employees of the University are permitted access to information contained in student records, **if they need** to know the information in order to perform their official duties. As a general rule, only employees involved in some aspect of academic administration or student affairs are given access to the contents of student records.

d) Student Organizations

The Nipissing University Students' Union (NUSU), as well as constituent organizations authorized by them, may obtain listings of students for purposes of communicating with their membership. Listings will be provided by the Office of the Registrar upon written request signed by an authorized officer of NUSU with the understanding that the information will not be disclosed to third parties and will not be used for solicitations or commercial purposes.*

e) Legally Mandated Access

Specified records or portions thereof may be provided to persons or agencies pursuant to a court order, summons, or subpoena, directing the University to release information; to the Ministry

of Education and Training in connection with enrolment audits; or in accordance with the requirements of duly constituted professional licensing and certification bodies.

f) Emergency Disclosure

In emergency situations involving the health or safety of an individual, or in compassionate situations such as death or injury of a relative or friend of a student, the Registrar may, if it is considered to be in the best interest of the student, authorize the release of information.

* Charges may be made to cover the costs for production of mailing labels. Student information requested to be listed as confidential will not be released.

Guidelines for the Operation of the Senate Admissions, Petitions, and Promotions Committee

Terms of Reference

1. The Committee shall review and formulate policies, for recommendation to Senate, with respect to the admission of all students to the University.
2. a) The Committee shall review and formulate policies, for recommendation to Senate, with respect to the transferability of credits from other educational institutions;
- b) The Committee shall advise the University Registrar on the implementation of Senate policy in cases where there is some ambiguity with respect to policy;
- c) The Committee shall decide on the admissibility of candidates lacking admission requirements who, in the opinion of the Registrar, deserve special consideration.
3. The Committee shall consider requests for exceptions to University academic regulations.
4. The Committee shall recommend candidates to Senate for the conferring of degrees, diplomas and certificates and the awarding of prizes.

The decisions of the Committee referred to in (2 c) and (3) above shall not be subject to appeal.

Committee Composition

The Registrar (ex-officio)
 The Assistant Registrar, Admissions (ex-officio)
 The Associate Dean of Arts and Science (ex-officio)
 The Associate Dean of Education (ex-officio)
 One Faculty Senator from Education
 One Faculty Senator from Arts and Science
 One Student Senator from Education
 One Student Senator from Arts and Science
 One of the Associate Deans shall be Chair

Guidelines for the Operation of the Student Academic Standing, Appeals and Petitions Committee

Terms of Reference

- a) The Committee shall consider student appeals with respect to decisions of the Deans in the matters of grades, examinations, term assignments and tests, course requirements specified by the instructor, and the general conduct of a course;
- b) The Committee shall consider student appeals with respect to academic dishonesty;
- c) The Committee shall, from time to time, review these guidelines and make any necessary recommendations for changes to Senate.

Definitions:

- (i) An appeal to the Dean is a request that a grade on a particular piece of work or final standing in a course or program be changed on grounds related to the accuracy or fairness of the mark assigned. These grounds must be provided by the individual making the appeal.
- (ii) A petition to the Dean is a request that a grade be adjusted, or a course requirement specified by the instructor be waived, on compassionate grounds or because of extenuating circumstances.
- (iii) An appeal to the Committee is a request that a decision of the Dean regarding an appeal or petition to the Dean be changed or a request that a decision with regard to academic dishonesty be changed.

Appeals Procedures Concerning Academic Dishonesty

Appeals of decisions concerning academic dishonesty shall be submitted directly to the Chair of the Committee.

Appeals and Petitions Procedures for Matters other than Academic Dishonesty

- a) Any student who feels there are grounds for an appeal or petition should immediately try to discuss the matter with the instructor. If the student is not satisfied with this informal session, the student must, as soon as possible, and not later than 30 days after official notification of the final grade, discuss the matter with the Dean.
- b) In the event that the Dean is not able to mediate a resolution, a formal appeal or petition must be submitted in writing to the Dean specifying:
 - (i) the grade, decision, conduct, or course requirement being appealed or petitioned for change;
 - (ii) the relevant dates on which the grade was assigned, the decision taken, or conduct occurred;
 - (iii) full details of the grounds on which the appeal or petition is made, including copies of all relevant documents;
 - (iv) the precise redress requested.

- c) The Dean will consider the appeal or petition and will render a written decision within 30 calendar days of receipt of the formal request. The written decision will address the grounds on which the request was made and indicate which grounds were accepted or rejected and why. Copies of the written decision will be provided to all parties concerned. In the event that the precise redress requested by the Appellant is not granted by the Dean, the Dean must inform the Appellant of his/her right to appeal the Dean's decision to the Student Academic Standing Appeals and Petitions Committee.
- d) If the Appellant wishes to appeal the Dean's decision to the Student Academic Standing Appeals and Petitions Committee such appeal must be launched within 14 calendar days from the date the Dean's decision was rendered. Such an appeal must be submitted in writing to the Dean's office for transmission to the Chair of the Committee and must clearly specify those points of the Dean's decision which are being appealed. It should be noted that this is not the place to introduce new issues not previously raised in the appeal or petition to the Dean, and the Committee will not consider these new issues.

Notice

- a) Once an appeal of the Dean's decision has been lodged, the Appellant is entitled to have reasonable notice of Committee meetings to hear evidence. The Appellant is expected to meet all reasonable deadlines with regard to the submission of material;
- b) The Dean shall forward to the Committee Chair the appeal or petition and supporting documentation that formed the basis for the Dean's decision. The Committee Chair shall normally call a meeting within 10 calendar days of receipt of the aforementioned material;
- c) The student and the Dean are entitled to at least five calendar days notice of the scheduled meeting(s) of the Committee.

Committee Composition

The Committee shall consist of:

The Registrar (ex-officio) or designate;

Two Student Senators (ex-officio) or alternates selected by the Chair as and when necessary;

Four Faculty Senators, two selected from each faculty or alternates selected by the Chair as and when necessary.

The Committee, in each case, shall be chaired by a faculty member who is not in the Appellant's Faculty.

Note:

1. Faculty Senators will be elected for four-year terms with one new faculty member from each Faculty elected every two years.
2. Each faculty member will serve as Vice-Chair for the first two years and as Chair for the remaining two years.

Quorum

Quorum shall consist of four members of the Committee; the Chair, one student and any two others all of whom must be eli-

gible to vote on the appeal under consideration (e.g. not disqualified under the conflict of interest clause below).

Conflict of Interest

- a) Prior to consideration of an appeal, the Committee shall determine if any member has a conflict of interest in the matter being appealed;
- b) A member of the Committee shall be deemed to have a conflict of interest if the member has had any direct responsibility in the matter being appealed, or the member has been associated with the Appellant such that there would be an actual or perceived obstacle to objectivity in determining on the matter being appealed;
- c) The Appellant may specifically identify by name any Committee member whom the Appellant believes to have a conflict of interest and shall so state the reasons for such belief;
- d) Where a difference of opinion arises on the question of any member's conflict of interest, the matter shall be decided by a simple majority vote of the Committee, excepting the member under consideration;
- e) Where a member declares, or it is determined, that a conflict of interest exists, said member shall be disqualified from taking part in the deliberations and that member's place on the Committee shall be taken by a duly recognized alternate as outlined in the Committee composition clause above.

Committee Procedures

- a) Any member or alternate who is not present at the time the initial meeting for a specific appeal has been called to order, or absent for any portion of a meeting, shall not take part in further deliberations on the matter;
- b) The Appellant and Dean shall have the right to be present at all meetings of the Committee where evidence is considered;
- c) The Appellant and Dean are entitled to a full and fair opportunity to correct or contradict any statement prejudicial to their position;
- d) The Appellant, the Dean, and the Committee each has the right to invite someone to assist in the appeal process in a supportive, advisory, and/or advocacy capacity. Such persons may be present at all meetings of the Committee;
- e) The Committee has the authority to send the matter to external assessors.

Decisions of the Committee

- a) Decisions on appeals shall be reached on the basis of a simple majority vote of those members present and eligible to vote on the particular appeal. The Chair will vote only in the event of a tie;
- b) The Chair shall send to the Appellant and the Dean, the written decision of the Committee within five calendar days;
- c) The decision shall provide written reasons which set out fully and clearly the grounds for the decision;
- d) The decision shall be signed by the Chair and all Committee members who participated in the decision;
- e) The decision of the Committee is final;

- f) All minutes, notes, and other documents, including a copy of the Committee decision, shall be kept on file in the President's office for six months and then destroyed.

Policy on English Writing Competency

Nipissing's policy on English Writing Competency has recently been significantly revised, and is provided below for information.

General Outline of the Policy

Nipissing University is committed to the belief that all university graduates should possess the ability to express their thoughts effectively in writing.

In order to identify students with writing problems, all students admitted to degree programs in the Faculty of Arts and Science are required to take a diagnostic English Writing Competency Test (WCT). A score of "1" on the WCT indicates an acceptable level of writing competency, while a "2" or a "3" indicates a lesser or greater degree of writing difficulty.

Under the terms of this revised policy, a WCT score of "1" is no longer required in order to graduate. Instead, students achieving a "2" on the WCT are required to successfully complete (with a minimum grade of 50%) a specified 3-credit developmental writing course during their chosen program of study. (ESL students may be required to successfully complete a second 3-credit writing course as well.)

Students achieving a "3" are required to do the same, but, because they have exhibited more serious writing problems, they are in addition strongly encouraged to complete a special non-credit writing skills course prior to undertaking any required credit writing course. Those wishing to be exempted from the credit course requirement may do so by retaking the WCT at a subsequent sitting and achieving a score of "1".

Notwithstanding the changes outlined above, a score of "1" on the WCT continues to be required for all students seeking admission to Nipissing's Orientation to Teaching streams.

The general policy outlined above applies to all students:

- a) who are admitted, re-admitted or approved for transfer to Bachelor of Arts, Bachelor of Arts (Liberal), Bachelor of Science, Bachelor of Science (Liberal) or Bachelor of Business Administration programs at Nipissing University; **and**
- b) who register, or who have previously registered, in at least one Nipissing University course during or after the 1995 Spring/Summer Session.

Former but non-current students, i.e. those whose most recent Nipissing course was taken prior to the 1995 Spring/Summer Session, remain under the terms of the previous writing competency policy and must be re-admitted to Nipissing University in order for the new writing competency rules to apply. Furthermore, once such students are re-admitted, they must meet all degree requirements in effect at the time of re-admission.

There is **no** writing competency requirement for Nipissing's Bachelor of Education programs. However, there is a writing competency requirement for the Diploma in Education program.

The English Writing Competency Test consists of a short essay (approximately 500 words) on one of three topics provided at each test sitting. Two hours are permitted for this test to allow for individual writing styles, organizing and writing the essay. The use of a dictionary (but not a thesaurus) is permitted. No special preparation or studying is necessary before taking the test.

In order to achieve a score of "1", a WCT essay must exhibit good overall organization. This should include a main idea which is developed through orderly, well-structured paragraphs and effectively-phrased sentences. Correct spelling and punctuation, sound grammar and appropriate vocabulary are also taken into consideration in grading the essay.

Detailed regulations regarding restrictions or conditions which may be imposed upon a student's program of study as a result of this policy are provided in sections below.

Writing Competency for English as a Second Language (ESL) and Special Needs Students

All students at Nipissing University, regardless of mother tongue or special needs, must take the diagnostic English Writing Competency Test. Moreover, in order to establish a "baseline writing level" for each student, all tests are graded according to the same "first language" standards.

Students who initially achieve a "2" or a "3" on the WCT and who are deemed by the Academic Skills Program to be ESL students (e.g. Francophone students, some First Nations students and certain visa or landed immigrant students) are required to successfully complete (with a minimum grade of 50%) a specified 3-credit ESL course during their regular program of study, and may be required to complete a second 3-credit writing course as well.

Students with documented disabilities which affect their ability to write competently, may, on the recommendation of the Special Needs Program, be granted suitable accommodations when taking the diagnostic WCT. Such accommodations must be requested in advance and supported with appropriate documentation.

Likewise, students with disabilities who subsequently attain a "2" or a "3" on the WCT and as a result are required to complete at least one 3-credit writing course may request and be granted further accommodations, either when undertaking the required course itself or when retaking the WCT.

Writing Competency Test Dates

Open sittings of the Writing Competency Test are normally offered on three occasions each year – in September (two or more sittings near the beginning of the fall term), in January (one sitting near the beginning of the winter term) and in March (one sitting near the end of the winter term). For specific test dates in any given year, consult the Academic Calendar.

In addition, the WCT may be offered on one or more occasions during the spring or summer for mature student applicants or other specifically identified individuals. However, these sittings

are **by invitation only**, and are not normally open to students who have written the test before or who have been admitted to a previous session at Nipissing University

Interpretation of Writing Competency Test Results

The Writing Competency Test grades may be summarized and interpreted as follows:

A score of "1" signifies at least a minimally acceptable level of demonstrated writing competency;

A score of "2" indicates a specific writing problem (or problems) which can normally be overcome through the successful completion of an appropriate credit writing course and through additional practice and care; and

A score of "3" indicates significant writing problems deemed to require a structured program of remedial writing skills in addition to the successful completion of an appropriate credit writing course.

Writing Competency Regulations (Applicable to all Bachelor of Arts, Bachelor of Business Administration Bachelor of Business Information Systems and Bachelor of Science Programs)

1. a) All students admitted to full-time or part-time studies in the Faculty of Arts and Science must either take the diagnostic Writing Competency Test prior to admission (in the case of full-time mature student applicants), or write the test at the earliest opportunity after initial admission (normally in September).
- b) Full-time or part-time students who fail to take the test prior to completing their first 24 credits (four full courses or equivalent) may be required to suspend future credit course enrollment until they write the test.
2. a) All full-time or part-time students whose initial score on the diagnostic Writing Competency Test is "2" are required to successfully complete (with a minimum grade of 50%) a specified 3-credit writing course as part of their chosen program of study. It is strongly recommended that this course be taken during the first 30 credits completed.
- b) Students whose initial score on the diagnostic Writing Competency Test is "3" are likewise required to successfully complete (with a minimum grade of 50%) a specified 3-credit writing course as part of their chosen program of study. However, because the successful completion of such a course may be considerably more difficult for those with a "3", these students are strongly encouraged to take ENGL 0100E-Supplementary Writing Skills (a non-credit course designed to upgrade writing skills to a basic university entrance level) prior to undertaking the required 3-credit writing course.
- c) Notwithstanding 2.(a) or 2.(b), students deemed by the Academic Skills Program to be ESL students may be required to successfully complete (with a minimum grade of 50%) a second 3-credit writing course.
3. a) The current list of 3-credit writing courses from which at least one required course may be specified under 2 includes:

ENGL 1501E Language and Written Communication
 ENGL 1551E English as a Second Language I
 ENGL 1552E English as a Second Language II

- b) Students wishing to be exempted from the requirement to complete a 3-credit writing course may only do so by retaking the Writing Competency Test and achieving a score of "1".
4. a) Students who have previously taken the Writing Competency Test may retake it as early as the next open sitting.
 - b) There is no limit to the number of times students may retake the test.
5. a) Notwithstanding the regulations outlined above, students must achieve a score of "1" on the Writing Competency Test in order to be considered for admission to any of Nipissing's Orientation to Teaching Streams.

Writing Competency Regulations (Applicable to the Diploma in Education Program)

All students admitted to the Diploma in Education Program must achieve a score of "1" or "2" on the Writing Competency Test within the first 12 credits.

Writing Competency Test Grading

Writing Competency Test papers are marked by a grading committee according to a predetermined grading scheme. All WCT papers are anonymous, i.e. students' names do not appear on their test papers.

Each individual paper is independently marked by two members of the grading committee. In the event that these scores differ, the two markers reach a consensus on the final score or the paper is graded by a third marker.

In grading the WCT papers, errors and weaknesses in writing are clearly identified and annotated by the markers so that they may be easily interpreted.

After all test papers from a particular sitting are marked, the WCT scores are posted by student number outside the Dean's Office. All students subsequently required to complete a credit writing course are so notified in writing.

Writing Competency Test Reviews, Petitions and Appeals

a) Review of Writing Competency Test Papers

Students who achieve a score of "2" or "3" on the WCT are encouraged to review their own test papers for the purpose of obtaining feedback as to the nature of the writing problems which they have exhibited.

All students wishing such a review may do so at the Student Affairs Office (A201) within one month of the posting of the WCT grades.

Students who have reviewed their WCT papers and who wish additional assistance in interpreting their test results and/or advice regarding their best course of action may further arrange to go over their papers with the Academic Skills Program Coordinator.

b) Petition for a Special Offering of the Writing Competency Test

Normally, students who miss a scheduled open (e.g. September, January or March) sitting of the Writing Competency Test due to illness, personal crisis or other such circumstances can simply retake the test the next time it is offered.

Likewise, students who take the test but who feel that their performance is impaired by illness or other circumstances which occur immediately prior to or during the test period, may retake the test at the next open sitting.

Notwithstanding the above, students who feel they would be unnecessarily disadvantaged by waiting until a later scheduled sitting may petition for a special offering of the Writing Competency Test. Such petitions must:

- (i) be made in writing to the Dean of Arts and Science, not later than one week after the date of the Writing Competency Test sitting in question; and
- (ii) clearly state the reasons for requesting a special offering, and, in the case of illness or personal crisis, include supporting medical or other documentation, as appropriate.

All petitions for a special offering of the Writing Competency Test will be considered by the Writing Competency Committee, and the decision of the Committee in each case shall be final. If the petition is approved, a special offering of the test will be scheduled at the earliest mutually acceptable opportunity.

c) Appeal of a Writing Competency Test Score

As the Writing Competency Test is primarily a diagnostic indicator of the level of one's writing skills, there is no appeal mechanism for WCT scores.

Rather, students achieving a WCT score of "2" or "3" may either successfully complete the specified credit writing course(s) during their regular program of study or retake the WCT and attain a score of "1".

Policy on Course Waiting Lists in Arts and Science

Course or lab section enrolment limits are essentially of two types.

The first type is simply the capacity of the lecture room or laboratory in which the class is scheduled to meet, and can only be increased by relocating to a larger room (which may or may not be possible).

The second type of limit is one which is proposed by an individual course instructor or by an entire discipline, and approved by the Dean for pedagogical reasons. Raising this type of limit (assuming that the room capacity would allow this) requires the agreement of the instructor or the discipline responsible for initially establishing the limit. In particular, an individual course instructor may not override a discipline-established limit without the approval of the discipline, except that such instructors may, at their sole discretion, authorize an enrolment increase of: (i) up to 2 students for limits of 25 or less; (ii) up to 3 students for limits of 26 to 50; and (iii) up to 4 students for limits greater than 50.

The waiting list policy outlined below has been adopted to ensure that, when enrolment limits are increased for any reason, students will be added to courses or lab sections in a fair and equitable manner.

1. Students who attempt to register (or advance register) in any Arts and Science course or lab section, and who discover that the course or lab in question is listed as full, may if they so desire place themselves on a waiting list. All waiting list entries are automatically date-stamped, i.e. students are placed on the list on a first-come, first-served basis.
2. When a waiting list leads to the creation of an additional course or lab section, students shall be contacted by the Registrar's or Dean's Office and offered a place in the new section in the order in which they appear on the list.
3. When the Registrar's Office circulates class lists to course or lab instructors at the beginning of each term, the number of students on the waiting list(s), if any, shall also be provided. At their discretion, and subject to both the capacity of the assigned classroom and, where applicable, the discipline-established limit outlined above, instructors may at this point inform the Registrar's Office of the number of students on the waiting list which they are prepared to add to a particular course or lab section. The Registrar's Office will then contact students on the list, in the appropriate order, to offer them places. Instructors are not obligated to accept additional students at this time.
4. When no additional course or lab section is created but places become available in an existing section (through other student withdrawals, relocation of the class to a larger room, etc.):
 - no student shall be offered a vacant position who is not on the waiting list;
 - vacant positions shall normally be offered to students in the order in which they appear on the list; this shall be done by the Registrar's Office;
 - students not at the top of the waiting list shall only be offered a vacant position ahead of students above them on the list after successfully petitioning the Dean in writing, giving reasons why they should be given special consideration;
 - instructors may not grant permission to particular students on a waiting list to register; they are encouraged to inform the Registrar's Office when spaces appear to be available or when they are prepared to take additional students; they should also inform students wishing to get into a full course or lab section that they must first get on the waiting list if they are not already on it, and that they may only "jump over" students above them on the list through a successful petition to the Dean;
 - instructors are discouraged from allowing students on the waiting list to attend classes in the hope that they may be permitted to register later.

Policy on Individualized Study Courses in Arts and Science

1. In order to be eligible to take any individualized study course, an Arts and Science student normally must be entering (or already registered in) the third or fourth year of a four-year program, and must also have satisfied the language competency requirement. In addition, the desired course(s) must be in the student's declared major(s). In the

case of a course which is only an elective, a minimum overall average of 70% is required as well.

2. Any student who meets the above criteria and wishes to take an individualized study course during the following Spring/Summer or Fall/Winter Session must apply in writing to the discipline concerned no later than February 15. This application shall include a brief outline of the proposed topic or project, the proposed faculty supervisor and the signature of one faculty member in the discipline (normally the intended supervisor) who has been consulted and who supports the request.
3. In the case of individualized study courses which are program requirements, any student who will be entering the final year of the degree program (and who will therefore need the course in order to graduate) shall be permitted to take the course, provided he/she has submitted an appropriate application as outlined above. However, it must be clearly understood that, until final approval is granted (usually after a meeting of the discipline held for this purpose), there is no implied guarantee that the proposed topic/project, the designated faculty supervisor or the chosen session will be accepted.
4. Individualized study courses which are electives (and therefore not required) are a privilege rather than a right. The approval of applications for such courses shall consequently be subject to the availability (and willingness) of faculty supervisors, as well as to budgetary considerations.
5. In making decisions concerning applications for individualized study courses in any discipline, required courses shall be given clear priority over those which are merely electives. In particular, elective individualized study requests shall be approved only after all requests for required courses have been accommodated.
6. Each applicant for an individualized study course shall be informed in writing of the outcome of his/her application by March 1. When the course in question is a degree requirement, the application shall either be approved as submitted or approved with specified alterations (which may include changes in topic, supervisor and/or session). In the case of elective individualized studies, applications may be approved as submitted, approved with specified alterations or rejected (on the basis of content, availability of supervisors or budgetary considerations).
7. Only after students have received written approval to take an individualized study course will they be permitted to advance register and/or register for the course.

Policy on Notification of Disclosure of Personal Information to Statistics Canada

Statistics Canada is the national statistical agency. As such, Statistics Canada carries out hundreds of surveys each year on a wide range of matters, including education.

It is essential to be able to follow students across time and institutions to understand, for example, the factors affecting enrolment demand at post-secondary institutions. The increased emphasis on accountability for public investment means that it is also important to understand 'outcomes'. In order to carry out such studies, Statistics Canada asks all colleges and universities

to provide data on students and graduates. Institutions collect and provide to Statistics Canada student identification information (student's name, student ID number, Social Insurance Number), student contact information (address and telephone number), student demographic characteristics, enrolment information, previous education, and labour force activity.

The Federal Statistics Act provides the legal authority for Statistics Canada to obtain access to personal information held by educational institutions. The information may be used only for statistical purposes, and the confidentiality provisions of the Statistics Act prevent the information from being released in any way that would identify a student.

Students who do not wish to have their information used are able to ask Statistics Canada to remove their identification and contact information from the national database.

Further information on the use of this information can be obtained from Statistics' Canada's web site: <http://www.statcan.ca> or by writing to the Postsecondary Section, Centre for Education Statistics, 17th Floor, R.H. Coats Building, Tunney's Pasture, Ottawa, Ontario, K1A 0T6.

Policy and Procedures for Exchange Students

Policy:

1. Exchanges are normally open to students in second or third year of their program. They will seldom be considered for students in their graduating year.
2. Exchanges are open to students whose overall average is at least 75% and who have met the writing competency requirement.
3. Applications for student exchanges will be reviewed by an Ad Hoc committee consisting of the following:

The Associate Registrar, Admissions; the Manager of Financial Aid or designate; a designate from the Office of the Dean of Arts and Science; a faculty member(s) from the student's major discipline(s) as designated by the Dean of Arts and Science; the person designated by the President as responsible for Nipissing's exchange programs; and a student designated by the Student Union.

Procedures:

The committee will screen applicants to determine their suitability for an exchange. This will include, but not be limited to, the following: academic average; program compatibility; language skills; and scholarships.

Those applicants who qualify will be interviewed by the committee and during the interview the committee will discuss with the applicant "the handbook for international exchanges". Those accepted by the committee for an exchange will be required to sign an exchange "consent and liability form".

The committee will be responsible for reviewing "the handbook for international exchanges" for appropriate revisions as necessary. The committee will also review the "consent and liability form" and make changes to it as required.

Policy changes related to student participation in International Exchanges will be considered by the committee and presented to the appropriate Senate Committee for approval.

A current list of exchange agreements, applications and all necessary forms related to exchanges may be obtained in the Office of the Registrar.

Nipissing University has also adopted detailed policies on:

- Code of Student Rights and Responsibilities
- Personal Harassment and Discrimination
- Services to Special Needs Persons

Copies of these policies are available from Student Affairs.

Governing Officers

Board of Governors

(as of January 1, 2002)

Chancellor – James S. Redpath, BSc, DLitt (H)

Chair – Dan Bryer, MD, FRCS(c)

Vice-Chair – Mickey Wallace, BA, MEd

President – Dave Marshall, BSc, MEd, PhD

Members Appointed by the Board

Donna Bourne-Tyson, BA, MA, MLIS

Steven Carmichael, (H)BMath, MBA, CA

Selma Colvin, BA, LLB

Tony Limina, BA

Fred McNutt, MBA, BSc

Paul Moffat, MEd

Charles Olmsted, BSc

Vicky Paine-Mantha, BComm, MBA, CA

Robert Parsons, BA, MBA

Tiz Silveri, BScN

Mayoral Designate

Peter Chirico

Members Appointed by the Senate

Paul Kelly, BA, MA, PhD

Helen Langford, BA, MEd, PhD

Stan Lawlor, BA, MA

Ron Weeks, BSc, MEd, EdD

Members Appointed by the Students

Brock Leighton

Mark Tomlin

Member Appointed by the Alumni Association

Tricia Marshall, BBA

Members Appointed by the

Non-teaching Employees

Connie Vander Wall, BBA, MSM, CHRP, SPHR

Laurie Purtell, BA

Member Appointed by the

Aboriginal Council on Education

vacancy

Administrative Officers

Office of the President

President, Dave Marshall, BSc, MEd, PhD
 Executive Assistant to the President/Secretary to the Board,
 Deanna Hodgins, BA
 Assistant to the President/Recording Secretary to Senate,
 Susan Robineau, BA
 Executive Secretary to the President,
 Delores Klingspon, BA, BEd

Office of the Vice-President Academic and Research

Vice-President Academic and Research,
 Robert Forrest, BA, MA, PhD
 Director of the Office of Instructional Development and
 Technology Mediated Learning,
 Jack Jones, BA, BEd, MS(Ed)
 Manager of Research Services, T.B.A.
 Administrative Assistant to the Vice-President Academic and
 Research, Debra Shank-Dokis

Office of the Vice-President of Administration and Finance

Vice-President of Administration and Finance,
 Murray Green, BA, CA, CMA
 Director of Technology Services, William W. Ross, BA
 Director of Human Resources,
 Connie Vander Wall, AA, BBA, MSM, CHRP, SPHR
 Director of Finance, Jamie Graham, BSc, MBA, CA
 Director of Residence and Conference Services,
 Deborah Langford, BA, BEd
 Director of the Student Centre, Todd Fearnley
 Manager of Course Development Technology and Theatre
 Design, Michael A. Sandula, AVT, BA, BEd, MEd
 Manager of Network and Hardware Support,
 Greg Seamen, Dip Elec Eng
 Residence Manager, Carolyn Brethauer, BA
 Residence Manager, Paula Jackson, BA
 Manager of Application Development and Support,
 Frank Ciancio, BSc
 Manager of Conference Services,
 Rita Lingner, BA, BEd, CMP
 Assistant to the Vice-President of Administration and Finance,
 Peggy Cook, BA
 Manager of Faculty and Administrative Support Services,
 Heather Hersemeyer, BBA, MBA
 Acting Manager of Finance, Dan St. Georges, BBA
 Operations Manager, Student Centre, David Audette
 Human Resources Advisor, Lynn Burns, BBA
 Human Resources/Payroll Advisor, Jo-Ann Lathem
 Executive Secretary, Vice-President Administration and
 Finance, Sherry Boland
 Executive Secretary, Vice-President Administration and
 Finance, Rosemary Salm
 Entertainment and Assistant Operations Manager,
 Student Centre, Chad Cardinal, BA
 Food and Beverage Manager, Stephen Bitonti

Office of the Dean of Arts and Science

Dean of Arts and Science, Andrew Dean, BA, MMath, PhD
 Associate Dean of Arts and Science,
 Robert Bergquist, BA, MBA, CMA
 Director of the Centre for Continuing Business
 Education/Community Relations Manager for the School
 of Business and Economics, Michael Gauthier, BA, PFP
 Manager of Academic Services (Arts and Science),
 Angela Fera, BA, BEd
 Academic Advisor, Melinda Kent, BA, BEd, MEd
 Academic Advisor, Darlene Luoma, BA

Office of the Dean of Education

Dean of Education, Ron Common, BA, BEd, MEd, PhD
 Associate Dean of Education, Ron Wideman, BA, MEd, EdD
 Practice Teaching Placement Officer, Mary Lecour, BAA, BEd
 Administrative Assistant/Practice Teaching Placement Officer,
 Ursula Boyer, BBA
 Manager of In-Service Education, Cindy Forth, HBComm

Office of the Registrar

Registrar, Denis Lawrence, BMath, BEd, MEd
 Associate Registrar - Admissions/Liaison,
 Andrea Robinson, BA, BEd
 Associate Registrar - Records/Scheduling,
 Denis Perron, Dip BAdmin, BA
 Assistant Registrar - Admissions, Maureen Knight, BA, BEd
 Assistant Registrar, Diane Huber, BPA (Honours), MA
 Acting Assistant Registrar, Christine Jenkins, BSc

Office of Student Affairs

Executive Director of Student Affairs,
 Allan Carfagnini, BA, BEd, MEd
 Manager of Counselling and Special Needs Services,
 Daniel Pletzer, BSW, MSW, RSW
 Manager of Financial Aid, Ken McLellan, BComm, CMA
 Student Counsellor, Angela Cupido, BA, BSW, RSW
 Student Counsellor, David Rider, BA, BSW, RSW
 Learning Strategist, Michael Walker, BA, BEd
 Aboriginal Services and Programs Administrator,
 Patricia LaCroix, BA, BEd, MEd
 Placement Officer, Terry Roome, BA, BEd
 Manager of Sports and Recreation, Vito Castiglione, BA
 Service Learning Intern, Christina Furst, BA

Office of University Advancement

Executive Director, University Advancement, T.B.A.
 Manager of Integrated Marketing Communications,
 Barry Schreiber, BA, BA (Honours), MA
 Acting Manager of Alumni Relations and Development,
 Tracy MacLeod, BA
 Development Officer - Special Projects,
 Christine Green, BA, CCMC
 Acting Records and Research Officer, Gil Pharand, BComm
 Alumni Relations Officer, Laurie Purtell, BA
 Advertising & Publications Officer, T.B.A.
 Editor/Copywriter, Bob Pipe, BA (Honours)

Office of Library Services

Executive Director of Library Services,

Brian Nettlefold, BA, ALA, MIInfSc, FLAI

Associate Director of Library Services,

Barbara Lee, BSc, MLIS

Librarian (Public Service), Laura Sinclair, BSc, BEd, MLIS

Centre for Continuing Business Education

Director of the Centre for Continuing Business Education,

Michael Gauthier, BA, PFP

Program Administrator, Rhonda Pyper, BBA

Muskoka Campus

Campus Administrator, Jan Lucy, BA

Index

- A**
- Aboriginal Programs, Faculty of Education 235
 - Aboriginal Teacher Certification Program 239
 - Native Classroom Assistant Diploma Program 235
 - Native Special Education Assistant Diploma Program 237
 - Aboriginal Services 9
 - Academic Advising 9
 - Academic Dishonesty (see Policies)
 - Academic/Program Advising
 - (see Academic Regulations/Information)
 - Academic Regulations/Information
 - Faculty of Arts and Science** 41
 - Faculty of Education** 191
 - Aboriginal Programs 235
 - Advanced Bachelors Degree in Education Program .216
 - Advanced Bachelors Degree in Educational
 - Leadership Program 217
 - Bachelor of Education 195
 - Bachelor of Education in Extension Degree Program 218
 - Concurrent Bachelor of Arts/Bachelor of Education 205
 - Extension Education 214
 - Master of Education 247
 - Academic Skills Program 9
 - Academic Year 2002–2003 3
 - Academic Year 2002–2003 Extension Education 208
 - Additional Basic Qualifications 219
 - Administrative Officers 264
 - Administrative Studies 70
 - Admission
 - Faculty of Arts and Science**
 - Undergraduate Degree Programs 42
 - Non-Degree Studies 50
 - Faculty of Education**
 - Aboriginal Programs 235
 - Advanced Bachelors Degree in Education Program .216
 - Advanced Bachelors Degree in Educational
 - Leadership Program 217
 - Bachelor of Education 194
 - Bachelor of Education In Extension 218
 - Concurrent Bachelor of Arts/Bachelor of Education 205
 - Diploma in Education 218
 - Master of Education 244
 - Professional Development for Teachers 219
 - Advisory Committee on Teacher Education 2001-2002 .206
 - Alumni Association 9
 - Appeals/Petitions 257
 - Attendance (see Academic Regulations/Information)
 - Auditor (see Academic Regulations/Information)
- B**
- Biology 71
 - Business Administration 72
 - Business Information Systems 74
- C**
- Campus Shop 9
 - Certificate of Bilingualism 55
 - Charges and Fees
 - Faculty of Arts and Science** 15
 - Other Fees 18
 - Faculty of Education**
 - Extension Education 211
 - Master of Education 245
 - Classical Studies 75
 - Coat of Arms and Motto 8
 - Computer Science 76
 - Counselling Services 9
 - Course Descriptions
 - Faculty of Arts and Science** 111
 - Faculty of Education**
 - Aboriginal Programs 236
 - Advanced Bachelors Degree in Education Program .216
 - Advanced Bachelors Degree in Educational
 - Leadership Program 217
 - Bachelor of Education 198
 - Bachelor of Education in Extension Degree Program 221
 - Concurrent Bachelor of Arts/Bachelor of Education 205
 - Diploma in Education Program 218
 - Extension Education 211
 - Master of Education 250
 - Professional Development for Teachers 219
 - Courses
 - Changes (see Registration Procedures/Regulations)
 - Identification (see Academic Regulations/Information)
 - Limitations (see Academic Regulations/Information)
 - Loads/Overloads (see Academic Regulations/Information)
 - Criminal Justice 79
 - Cultural Activities 12
- D**
- Degrees and Majors at a Glance 2
 - Degree Requirements
 - Faculty of Arts and Science**
 - Bachelor of Arts (3-Year General) 60
 - Bachelor of Arts (Honours) 61
 - Bachelor of Arts (3-Year Liberal) 63
 - Bachelor of Business Administration (Honours) 64
 - Bachelor of Business Information Systems (Honours) 65
 - Bachelor of Science (3-Year General) 65
 - Bachelor of Science (Honours) 66
 - Bachelor of Science (3-Year Liberal) 67
 - Faculty of Education**
 - Bachelor of Education Degree 193
 - Bachelor of Education in Extension Degree Program 218
 - Master of Education 249
 - Diploma in Education Program 218
 - Directory for Inquiries 1

E

Economics	80
English Studies	81
Environmental Biology and Technology	83
Environmental Geography	84
Environmental Science and Physical Geography	85
Examinations (see Academic Regulations/Information)	
Exchange Programs, Policy	10, 262
Extension Education	211

F

Faculty of Arts and Science	41
Administrative Studies	70
Biology	71
Business Administration	72
Business Information Systems	74
Classical Studies	75
Computer Science	76
Criminal Justice	79
Economics	80
English Studies	81
Environmental Biology and Technology	83
Environmental Geography	84
Environmental Science and Physical Geography	85
Fine Arts	86
Français	87
Gender Equality and Social Justice	88
Geography	90
Geography of Community Economic Development	92
Geography of International Development	93
History	95
Liberal Arts	97
Liberal Science	98
Mathematics	98
Native Studies	100
Nursing	101
Philosophy	102
Psychology	104
Social Welfare	106
Sociology	107
Women's Studies	109

Faculty of Education	191
Bachelor of Education Basic Program	
–Primary/Junior	198
Bachelor of Education Basic Program	
–Junior/Intermediate	199
Bachelor of Education Basic Program	
–Intermediate/Senior	202
Bachelor of Education in Extension Degree Program	218
Concurrent Bachelor of Arts/Bachelor of Education	205
Diploma in Education	218
Master of Education	244
Financial Aid, Scholarships, Bursaries and Awards	21
Fine Arts	86
Français	87
French Language Proficiency Test	197, 215

G

Gender Equality and Social Justice	88
Geography	90
Geography of Community Economic Development	92
Geography of International Development	93
Governance, Nipissing University	7
Governing Officers	263
Grades and the Basis for Assessment(see Academic Regulations/Information)	
Graduation	14

H

Health Services	10
History	95
History, Nipissing University	7

I

Incidental Fees (see Charges and Fees)	
Individualized Study (Courses, Policy)	58, 261
International Student Fees	46

L

Letters of Permission (see Academic Regulations/Information)	
Liberal Arts	97
Liberal Science	98
Library	11
Logo	8

M

Majors	59
Master of Education Courses	250
Master of Education Program	244
Mathematics	98
Minors	59
Mission Statement	8
Muskoka Campus	11

N

Native Studies	100
Nursing	101

O

Off-Campus Housing	11
Orientation to Teaching	51
Admission	52
Requirements	51
Other Fees	18

P

Peer Tutoring Program	11
Philosophy	102
Placement Services	11
Policies	
Academic Dishonesty	254
Code of Student Conduct	262
Course Waiting Lists in the Faculty of Arts and Science	260
English Writing Competency	258
Exchange Students	262

Guidelines for the Operation of the Senate Admissions, Petitions, and Promotions Committee	.256
Guidelines for the Operation of the Student Academic Standing, appeals and Petitions Committee	.257
Individualized Study Courses in the Faculty of Arts and Science	.261
Notification of Disclosure of Personal Information to Statistics Canada	.261
Personal Harassment and Discrimination	.262
Services to Special Needs Persons	.262
Student Records	.255
Principals' Qualification Program	.233
Professional Designations and Accreditation	.73
Professional Development for Teachers Additional Basic Qualifications	.219
Program Requirements	.70
Proof of Proficiency in English	.45
Psychology	.104

R

Registration Procedures and Regulations Faculty of Arts and Science	.53
Faculty of Education Aboriginal programs	.236
Bachelor of Education	.195
Bachelor of Education in Extension Degree Program	218
Concurrent Bachelor of Arts/Bachelor of Education	205
Diploma in Education	.218
Master of Education	.244
Professional Development for Teachers	.219
Residence	.11
Residency Requirement (see Academic Regulations/ Information)	

S

Second Degree Programs	.68
Services to Students	.9
Social Activities	.12
Social Welfare	.106
Sociology	.107
Special Needs Services	.12
Sports and Recreational Activities	.12
Student Centre	.13
Student Insurance Plan	.12
Student Life	.12
Student Resource Centre	.12
Student Union	.13

T

Transcripts (see Academic Regulations/Information)	
Tuition (see Charges and Fees)	
Tuition Credit Schedule (see Charges and Fees)	

U

Upgrade to an Honours Degree from a 3-Year Bachelor of Arts	.69
--	-----

W

Women's Studies	.109
Writing Competency (Test, Policy)	.60, 258