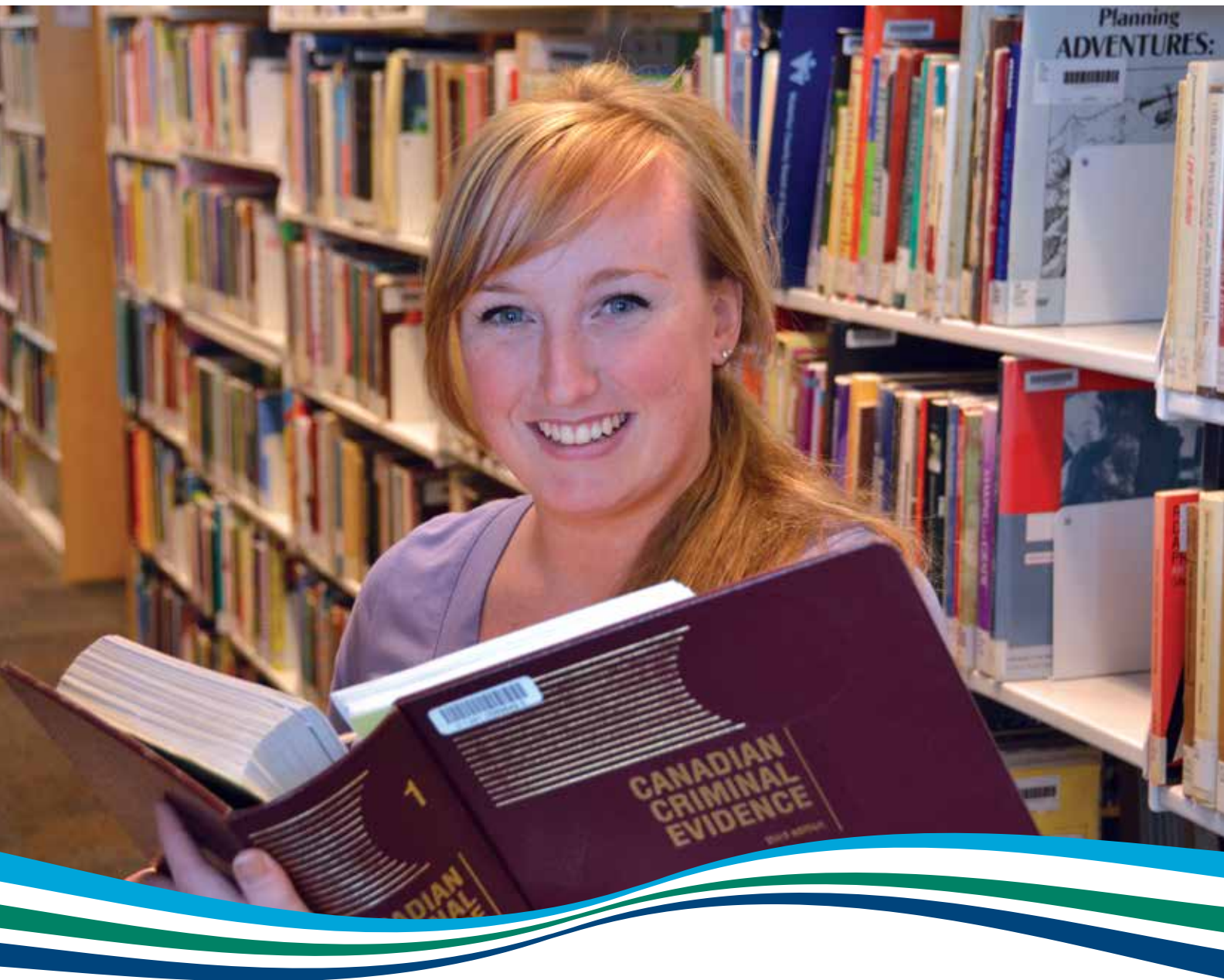


NIPISSING

U N I V E R S I T Y

NORTH BAY • MUSKOKA • BRANTFORD



ACADEMIC CALENDAR 2013 – 2014

Important Notice

This Calendar seeks to give students information about the opportunities offered at Nipissing University. While the university makes every reasonable effort to ensure the content of this Calendar is accurate, the University reserves the right to make changes or deletions without notice to students or prospective students, to any of the information contained in this calendar. The University is not liable to anyone that may suffer any loss or damages of any type arising from such changes.

It is the student's responsibility to make herself or himself aware of the contents of the Calendar. It is understood that students, by the act of registering, agree to abide by all the rules, regulations, policies, and procedures of the University and of the faculty in which they are registered. Students are expected to familiarize themselves with the general information outlined in this Calendar as well as the information pertaining to the faculty in which they are enrolled.

Degree requirements that are in any way modified by Senate in one academic calendar year will normally apply to students admitted the following academic 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.

If you require this publication in another format please contact (705) 474-3450, ext. 4517 (Liaison Secretary/Receptionist).

Academic Calendar 2013–2014



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ONE STUDENT AT A TIME



Liaison Office, 100 College Drive, Box 5002, North Bay, ON P1B 8L7

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Nipissing University Statement of Mission, Vision, and Values

Mission

Nipissing University is an innovator in post-secondary education, preparing caring, creative, critical thinkers who will be leaders in building and enhancing a sustainable civil society.

Nipissing University will give special attention to learners in the North, including First Nations and Aboriginal learners.

Vision

Nipissing University will continue to be a university of choice, nationally recognized for its traditional strength in education, and uniquely distinguished by the quality and value of each student's undergraduate and graduate experience across the disciplines. Through scholarship, innovation and active partnerships, the university will focus on the creation of new knowledge that contributes to success in meeting global needs.

Values

Our motto "**Integritas**" embraces honesty and good ethical conduct, as well as a holistic, integrated perspective.

We provide a personalized, student-focused educational experience that prepares each individual to make a meaningful and satisfying contribution to the world.

We are committed to excellence in teaching, learning and research through scholarship and creativity that develop powers of inquiry, critical thinking and communication.

We value integrity, empathy, respect, critical analysis, creative thinking, communication, collaboration, invention, insight, innovation, stewardship and action.

We are committed to open, respectful discourse and a collegial, diverse, inclusive, healthy and supportive learning environment.

We welcome all who seek to learn, and encourage those who are willing to invest their time and effort in pursuit of a university education.

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General Information

University Governance and History

University Administration and Faculty

Governing Officers
 Administrative Officers
 Faculty of Applied and Professional Studies
 Faculty of Arts and Science
 Schulich School of Education

Degrees and Programs at a Glance

Nipissing University awards the following degrees, diplomas and certificates.

Faculty of Applied and Professional Studies

Dean

Dr. Rick Vanderlee: rickv@nipissingu.ca

Directors & Chairs

School of Business

Dr. John Nadeau, Director: johnn@nipissingu.ca

School of Criminology and Criminal Justice

Dr. Jane Barker, Chair: janeb@nipissingu.ca

School of Nursing

Director: TBA

Associate Director BScN Program:

Letitia Nadalin Penno: letitiap@nipissingu.ca

Program Manager, RPN-BScN Bridging Program:

Wenda Caswell: wendac@nipissingu.ca

Program Manager, Scholar Practitioner Program:

Baiba Zarins: baibaz@nipissingu.ca

School of Human and Social Development

Dr. Larry Patriquin, Dept. Chair, Social Welfare:
larryp@nipissingu.ca

Dr. Tom Waldock, Dept. Chair, Child Health
& Family Studies: tomw@nipissingu.ca

Degrees

BA Bachelor of Arts

BA/BEd Concurrent Bachelor of Arts and
Bachelor of Education

BBA Bachelor of Business Administration

BCOMM Bachelor of Commerce

BScN Bachelor of Science in Nursing

Certificates

iLEAD Business Experience Certificate
Financial Services

Programs of Study within the Faculty of Applied and Professional Studies

Business (with streams in Accounting, Economics, Marketing,
Organizational Studies and Technology Management)

Child and Family Studies (includes Concurrent)-
Muskoka Campus only

Criminal Justice

Nursing

Social Welfare and Social Development

Minors

Business (Business Administration, Human Resources,
Marketing, and Corporate Responsibility)

Child and Family Studies

Social Welfare and Social Development

Faculty of Arts and Science

Dean (Interim)

Dr. Ann-Barbara Graff: annbg@nipissingu.ca

Associate Dean (Interim)

Dr. David Hackett: daveh@nipissingu.ca

Department Chairs

Department of Political Science, Philosophy and Economics
Dr. Wayne Borody: wayneb@nipissingu.ca

Department of Biology and Chemistry

Dr. Reehan Mirza: reehanm@nipissingu.ca

Department of Computer Science and Mathematics

Dr. Alex Karassev: alexandk@nipissingu.ca

Department of English Studies

Dr. Laurie Kruk: lauriek@nipissingu.ca

Department of Fine and Performing Arts

Dr. Dennis Geden: dennisg@nipissingu.ca

Department of Gender Equality and Social Justice

Dr. Sal Renshaw: salr@nipissingu.ca

Department of Geography and Geology

Dr. John Kovacs: johnmk@nipissingu.ca

Department of History

Dr. Katrina Srigley: katrinas@nipissingu.ca

Department of Religions and Cultures

Dr. Susan Srigley: susans@nipissingu.ca

Department of Psychology

Dr. Matti Saari: mattis@nipissingu.ca

Department of Sociology

Dr. Greg Brown: gregb@nipissingu.ca

Program Coordinators

Classics Program

Dr. Isle Mueller: ilsem@nipissingu.ca

Native Studies Program

Terry Dokis: terryd@nipissingu.ca

Philosophy Program

Dr. Donna Jowett: donnaj@nipissingu.ca

Degrees:

BA Bachelor of Arts

BA/BEd Concurrent Bachelor of Arts and
Bachelor of Education

BSc Bachelor of Science

BSc/BEd Concurrent Bachelor of Science and
Bachelor of Education

BFA Bachelor of Fine Arts

Certificates

Aboriginal Leadership
 Digital Humanities
 Environmental Management
 Game Design and Development
 Geomatics
 Health Studies and Gerontology
 Neuroscience

Programs of Study within the Faculty of Arts and Science

Arts and Culture and Arts and Cultural Management (Muskoka Campus only)
 Biology (includes Environmental Biology and Technology)
 Classical Studies
 Computer Science (includes Concurrent)
 Economics
 English Studies (includes Concurrent)
 Fine Arts (Studio/Art History and Visual Studies)
 Gender Equality and Social Justice
 Geography (includes Environment and Physical Geography, Environmental Geography and Concurrent)
 History (includes Concurrent)
 Mathematics (includes Concurrent)
 Native Studies
 Philosophy
 Political Science
 Psychology (includes Concurrent)
 Religions and Cultures
 Science and Technology
 Sociology

Minors

Anthropology	Gender Equality and Social Justice
Biology	Geography
Chemistry	History
Classical Studies	Mathematics
Computer Science	Native Studies
Economics	Philosophy
English Studies	Political Science
Film	Psychology
Fine Arts (Studio/Art History and Visual Studies)	Religions and Cultures
French	Sociology
	Spanish

Schulich School of Education

Dean

Dr. Sharon Rich: sharonr@nipissingu.ca

Associate Dean

Dr. Carole Richardson: caroler@nipissingu.ca

Department Directors/Chairs

Primary/Junior Division

Dr. Jeff Scott: jeffs@nipissingu.ca

Junior/Intermediate Division

Dr. Barb Olmsted: barbarao@nipissingu.ca

Intermediate/Senior Division

Dr. Mike Parr: mikep@nipissingu.ca

Degrees

BPHE	Bachelor of Physical and Health Education
BEd	Bachelor of Education (including Concurrent degrees listed above) and Bachelor of Education: Laurier-Nipissing Concurrent Education

Diplomas

Aboriginal Teacher Certification
 Teacher of Anishnaabemwin as a Second Language
 Native Classroom Assistant
 Native Special Education Assistant

Programs of Study within the Schulich School of Education

Physical and Health Education
 Education (includes Concurrent, Consecutive, and Aboriginal)

Graduate Studies

Assistant Vice President Research and Graduate Studies

Dr. Murat Tuncali: muratt@nipissingu.ca

Graduate Chairs/Advisors

Education

TBA

History

Dr. Hilary Earl: hearl@nipissingu.ca

Mathematics

TBA

Environmental Studies/

Environmental Science

TBA

Degrees

MEd	Master of Education
MA	Master of History
MSc	Master of Science
MES	Master of Environmental Studies
MESc	Master of Environmental Science
PhD	Doctor of Philosophy in Education

Programs of Study within the School of Graduate Studies

Education

History

Mathematics

Environmental Studies/Sciences

Academic Year 2013 – 2014

Academic dates are accurate as of publication date and are subject to change. The most current information is reflected on our website at www.nipissing.ca.

North Bay Campus, Muskoka Campus and Distance Education

The following dates are applicable to students studying at the North Bay Campus, Muskoka Campus and by Distance Education.

Session Dates:

FA	September 9, 2013 – December 6, 2013
FW*	September 9, 2013 – April 4, 2014
WI*	January 6, 2014 – April 4, 2014
SP	May 5, 2014 – June 13, 2014
SS	May 5, 2014 – August 1, 2014
SU	June 23, 2014 – August 1, 2014

* Exception: Concurrent Education Program continues until mid-May.

AUGUST 2013

Mon. 5	Civic Holiday – University closed
Mon. 26	Consecutive Bachelor of Education classes begin

SEPTEMBER

Mon. 2	Labour Day – University closed
Mon. 9	FA and FW courses begin
Fri. 20	Last day to register for FA or FW courses Students withdrawing from FA or FW courses after this date but before the respective withdrawal dates will receive a WDR on their academic record.

OCTOBER

Mon. 14	Thanksgiving Day – University closed Study Week for students enrolled in FA or FW courses, ends Oct. 18
---------	--

NOVEMBER

Fri. 8	Last day to withdraw from FA courses
--------	--------------------------------------

DECEMBER

Fri. 6	Last day of FA and FW courses
Mon. 9	Final exam period for FA courses, ends Dec. 21

JANUARY 2014

Mon. 6	Classes begin
Fri. 17	Last day to register for WI courses Students withdrawing from WI courses after this date but before the respective withdrawal date will receive a WDR on their academic record.

FEBRUARY

Fri. 7	Last day for withdrawing from FW courses
Mon. 17	Family Day – University closed Study Week for students enrolled in undergraduate and graduate courses, ends Feb. 21
Mon. 24	SS Registration-opening

MARCH

Fri. 7	Last date to withdraw from WI courses
Mon. 10	Study Week for Consecutive Bachelor of Education students, ends Mar. 14

APRIL

Mon. 1	Application deadline for 2014 Spring Convocation
Fri. 4	Last day of WI and FW courses
Mon. 7	Final exam period for WI and FW courses, ends May 2
Fri. 18	Good Friday – University closed
Mon. 21	Easter Monday – University closed
Mon. 28	Consecutive Bachelor of Education final exam period, ends May 2

MAY

Mon. 5	SP and SS courses begin
Fri. 10	Concurrent Education Practica will end on or before this date
Mon. 19	Victoria Day – University closed. Any courses scheduled on this date will take place on May 23.
Tues. 20	FW registration-opening for students who have completed at least 78 credits
Fri. 23	Make-up classes for the May 19th holiday FW registration-opening for students who have completed at least 48 credits
Mon. 26	FW registration-opening for all other continuing students

JUNE

Wed. 11	Convocation
Thurs. 12	Convocation
Fri. 13	Convocation Last day of SP courses
Mon. 23	SU courses begin

JULY

Tues. 1	Canada Day – University closed. Any courses scheduled on this date will take place on July 4.
Fri. 4	Make-up classes for the July 1st holiday Last day for withdrawing from SS courses

AUGUST

Fri. 1	Last day of SU and SS courses Final exam period for SU courses, ends August 7 Final exam period for SS courses, ends August 14
Mon. 4	Civic holiday – University closed

Note: In-Service Education academic date information is listed in the current Additional Qualifications booklet.

Brantford Campus Laurier-Nipissing Concurrent Education Program Honours Bachelor of Arts/ Bachelor of Education

The following dates are applicable to students studying at the Brantford Campus.

Term: 13FW**Section Dates:**

FA	September 9 – December 2 Exams: December 5 – 18
WI	January 6 – April 4 Exams: April 9 – 30
FW	September 9 – April 4 Exams: April 9 – 30

Practicum Week for Year 1, 2, 3*: April 24, 25, 28, 29 & 30.

**Adjustments to these dates will be allowed for academic conflicts.*

FA SECTION 2013**SEPTEMBER**

Mon. 2	Labour Day – University closed
Mon. 9	Master of Education courses begin
Mon. 9	Fall term and fall/winter session begins
Mon. 9	Academic Orientation Day – Year 1 students only
Sun. 15	Last day to drop 12-week (FA) and full year (FW) courses, but remain registered with no tuition charge
Sun. 22	Last day to drop/withdraw from 12-week (FA) and full-year (FW) course(s) at 10% tuition charge (tuition charge assessed at 10% of course rate)
Sun. 22	Last day to add 12-week (FA) and full-year (FW) course(s)

OCTOBER

Mon. 7	Faculty Advisor Meeting for Year 2 and 3 students
Mon. 14	Thanksgiving Day – University closed
Mon. 21	Practicum begins for Year 2 and 3 students

NOVEMBER

Mon. 4	Last day to drop course(s) or withdraw from 12-week course(s) (FA) without failure and for possible tuition adjustment (tuition charge assessed at 55% of course rate)
--------	--

Tues. 5 From this day until the end of classes in the FA term, students who drop a 12-week fall term course, or withdraw, will receive academic penalty (failure) and are responsible for 100% tuition

DECEMBER

Mon. 2 Last day of Practicum (Term 1)
 Mon. 2 Last day of classes (make-up Mon. class for Thanksgiving)
 Tues. 3 & Wed. 4 Fall Study Period
 Thurs. 5 – Wed. 18 FA term examination period
 Wed. 18 Fall term ends

WI SECTION 2014

JANUARY

Mon. 6 Winter Term classes begin
 Mon. 6 – Fri., Feb 14 Six weeks of classes for Year 5 Teacher Candidates
 Wed. 8 Last day to drop 6-week course(s) (year 5) which began January 6, but remain registered with no tuition charge
 Sun. 12 Last day to drop 6-week (year 5) course(s) which began January 6 at 10% tuition charge (assessed at 10% of the course rate)
 Sun. 12 Last day to drop 12-week (WI) course(s) but remain registered with no tuition charge
 Mon. 13 Faculty Advisor Meeting for Year 1, 2 and 3 students
 Sun. 19 Last day to drop 12-week (WI) course(s) or withdraw at 10% tuition charge (tuition charge assessed at 10% of course rate)
 Sun. 19 Last day to add winter term course(s)
 Mon. 20 First day of Practicum for Year 1 students
 Mon. 20 First day of Practicum in term two for Year 2 and 3 students
 Fri. 31 Last day to drop 6-week (year 5) course(s) which began January 6 without failure and for possible tuition adjustment (tuition charge assessed at 55% of course rate)

FEBRUARY

Sat. 1 From this day until the end of the six-week classes in the WI term, students who drop a 6-week winter term course, or withdraw, will receive academic penalty (failure) and are responsible for 100% tuition
 Fri. 7 Faculty Advisor Meeting for Year 5 Teacher Candidates

Fri. 14 Six week courses end for Year 5 Teacher Candidates

Mon. 17 – Fri. 21 Reading Week for Year 1, 2, 3 and 4 students

Tues., Feb. 18 – Fri., Mar. 21 Block 1 Practicum (4 weeks) for Year 5 Teacher Candidates (This includes March Break from March 10 - 14)

MARCH

Fri. 7 Last day to drop course(s) or withdraw from 12-week (WI) and full year (FW) course(s) without failure and for possible tuition adjustment (tuition charge assessed at 55% course rate)

Sat. 8 From this day until the end of classes in the WI term, students who drop a 12-week (WI) or full year (FW) course, or withdraw, will receive academic penalty (failure) and are responsible for 100% tuition

Mon. 24 – Fri. 28 Turn Around Week for Year 5 Teacher Candidates (to allow for make-up practicum days)

Mon. 31 Monday Practicum ends for students in Year 1, 2 and 3

Mon. 31 – Fri., April 25 Block 2 Practicum (4 weeks) for Year 5 Teacher Candidates

APRIL

Fri. 4 FW and WI Term classes end

Mon. 7 & Tues. 8 Study Period

Wed. 9 – Wed. 30 WI and FW examination period

Fri., 18 Good Friday – University closed

Mon. 21 Easter Monday – Nipissing University closed

Thurs. 24, Fri. 25, & Mon. 28, Tues. 29, Wed. 30 Final Practicum days for year 1, 2, 3 Teacher Candidates

JUNE

Tues. 17 Spring Convocation, Brantford Campus

Admissions

Undergraduate Programs

This section contains information regarding the following:

General Undergraduate Admission Information (page 13)

- Accessibility Admission Policy
- Applicant Responsibility
- Proof of Proficiency in English
- Admission Procedures and Regulations
- How to Apply to Undergraduate Programs

Undergraduate Admission Requirements (page 18)

Additional Information (page 24)

- For Those Considering a Teaching Career
- For those Considering Medical School
- For those Considering Law School
- For those Considering Veterinary Medicine
- For those Considering Professional Designations and Accreditation

Professional Programs

This section presents Admission Requirements and Information for the following:

BEd Consecutive – Full-time program (page 29)

BEd Concurrent (page 31)

Professional Development for Teachers (Additional Qualifications) – Part-time program (page 31)

Aboriginal Professional Programs (page 31)

- Native Classroom Assistant Diploma, Native Special Education Assistant Diploma, Teacher of Anishnaabemwin as a Second Language Diploma, Aboriginal Teacher Certification

Graduate Programs

- Graduate Admissions (see page 164)

Admissions

Undergraduate Programs

General Undergraduate Admission Information

Accessibility Admissions Policy

Nipissing University encourages applications from those of Aboriginal ancestry, visible minority and/or persons with disabilities. Applicants, who meet the minimum stated requirements for admission to the University but not the admission average for the program applied to, may apply for consideration under the accessibility policy. Such candidates should self-identify themselves in writing to the Office of the Registrar at the time they apply for admission. Eligible persons must be Canadian Citizens or Permanent Residents and applying to first year studies from high school or post-secondary education.

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 for a full course load.

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

Aboriginal ancestry – proof of aboriginal descent (i.e. copy of Certificate of Indian Status),

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 medical/psychological documentation.

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, 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 registration, 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 (OUAC) 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 have their admission offer revoked or be required to withdraw from the University.

Proof of Proficiency in English

All applicants to Nipissing University from countries where the dominant 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 successfully studied full-time at an Ontario secondary school or other Nipissing University approved school for at least the past three years may be 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 but who have lived at least three years in Canada, or a country where English is the dominant language may be exempt.

Acceptable proof of English proficiency is the Test of English as a Foreign Language (TOEFL) with a minimum score of 80 (iBT) with a minimum score of 20 in each section of the test, or 550 (PBT). Other acceptable proof of English Proficiency includes the International English Language Test Service (IELTS) with a minimum overall band score of 6.0 (with no band below 6), the Michigan English Language Assessment Battery (MELAB) with a minimum overall score of 90%, the Canadian Academic English Language Assessment (CAEL) with a minimum score of 60 or the Pearson Test of English Academic (PTE Academic) with a minimum overall score of 55 and a minimum score of 55 in writing.

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

Admission Procedures and Regulations

The following admission information pertains to students admitted to the following degrees:

- Bachelor of Arts
- Bachelor of Science
- Bachelor of Business Administration
- Bachelor of Fine Arts
- Bachelor of Science in Nursing
- Bachelor of Physical and Health Education
- Bachelor of Arts/Bachelor of Education – Concurrent
- Bachelor of Science/Bachelor of Education – Concurrent
- Bachelor of Commerce

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

First year, full-time enrolment is limited. Admission criteria are determined by the Nipissing University Senate. 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.

How to Apply to Undergraduate Programs

Applicants currently attending an Ontario Secondary School as a full-time student

Fall/Winter Session – Full-time University Study

Information about applying online is available through high school guidance offices. 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 these courses.

Canadian Citizens and Permanent Residents not currently attending an Ontario Secondary School

Fall/Winter Session – Full-time University Study

OUAC 105 applications are completed online through the Ontario Universities' Application Centre (OUAC), at www.ouac.on.ca.

International Applicants

Fall/Winter Session – Full-time University Study

OUAC 105 applications are completed online through the Ontario Universities' Application Centre (OUAC), at www.ouac.on.ca.

Admissions Chart

The following chart lists the prerequisite courses required for Nipissing University undergraduate degree programs.

Degree Program	Subject Areas	Required 4U or Equivalent Courses from other provinces or countries
Bachelor of Arts (BA)²	Arts and Culture ¹ , Child and Family Studies ¹ , Classical Studies, Criminal Justice, English Studies, Environmental Geography ^{4,6} , Fine Arts (Studio Arts), Fine Arts (Art History and Visual Studies), Gender Equality and Social Justice, Geography ^{4,6} , History, Liberal Arts, Native Studies, Philosophy, Political Science, Psychology, Religions and Cultures, Social Welfare and Social Development, Sociology	English
	Economics	English; one Mathematics
	Computer Science ⁷ , Mathematics ⁷	English; Calculus & Vectors; one other Mathematics
Bachelor of Business Administration (BBA)^{2,8}	Optional Streams available: Accounting, Business Administration, Economics, Marketing, Organizational Studies, Technology Management	English (one Mathematics is recommended) ³
Bachelor of Commerce (BComm)⁸		English
Bachelor of Fine Arts²		English
Bachelor of Physical and Health Education²		English; one of Biology or Exercise Science (Chemistry and one Mathematics is recommended)
Bachelor of Science (BSc)²	Biology ⁵	English; Biology; Chemistry; one of Calculus & Vectors or Advanced Functions

¹ Offered only at the Muskoka campus.

² Orientation to Teaching can be applied to with this degree program.

³ Students admitted without a 4U Mathematics or equivalent will be required to complete MATH 1911 or MATH 1912 in their first year.

⁴ A Certificate in Geomatics is also available to pursuing a four year Honours degree in these areas.

⁵ A Certificate in Neuroscience is also available to pursuing a four year Honours degree in these areas.

⁶ A Certificate in Environmental Management is also available to pursuing a four year Honours degree in these areas.

⁷ A Certificate in Game Design and Development is available to students pursuing a degree in these areas.

⁸ An iLEAD Business Experience Certificate is available to students pursuing one of these degrees.

The following certificates are available to all students pursuing any degree: Aboriginal Leadership; Digital Humanities; Health Studies and Gerontology.

Bachelor of Science (BSc)²	Computer Science ⁷	English; Calculus & Vectors; one other Mathematics; one of Biology, Chemistry or Physics
	Liberal Science – Sequence in two of Biology, Computer Science, Environmental Science, Geology, or Mathematics	English; two of Chemistry, Mathematics (either Calculus & Vectors or Advanced Functions) or Physics
	Mathematics ⁷	English; Calculus & Vectors; Advanced Functions; one of Biology, Chemistry or Physics
	Environmental Biology and Technology	English; Biology; Chemistry; one of Calculus & Vectors or Advanced Functions or Physics
	Environment and Physical Geography ^{4,6}	English; Mathematics; one of Chemistry or Physics
	Psychology ⁵	English; Calculus & Vectors; one of Chemistry or Physics
	Science and Technology – Artificial Intelligence, Environment, General, Industrial Mathematics, Robotics or Service Systems Technology streams	English; Calculus & Vectors; one other Mathematics; one of Biology, Chemistry or Physics (a second Science is recommended)
Bachelor of Science in Nursing (BScN)		English; Biology; Chemistry (one Mathematics is recommended)
Bachelor of Arts (BA) Honours/ Bachelor of Education (BEd) Primary/Junior – Concurrent	English History Geography ^{4,6} Psychology	English (minimum grade of 70%); one Mathematics (minimum grade of 60%)
Bachelor of Arts (BA) Honours/ Bachelor of Education (BEd) Primary/Junior – Concurrent	Mathematics ⁷	English (minimum grade of 70%); Calculus & Vectors; one other Mathematics (minimum grade of 60% in one Mathematics)
Bachelor of Arts (BA) Honours/ Bachelor of Education (BEd) Junior/Intermediate– Concurrent	English Geography ^{4,6} History Psychology	English (minimum grade of 70%); one Mathematics (minimum grade of 60%)
Bachelor of Arts (BA) Honours/ Bachelor of Education (BEd) Junior/Intermediate– Concurrent	Mathematics ⁷	English (minimum grade of 70%); Calculus & Vectors; one other Mathematics (minimum grade of 60% in one Mathematics)
Bachelor of Science (BSc) Honours/ Bachelor of Education (BEd) Primary/Junior – Concurrent	Computer Science ⁷	English (minimum grade of 70%); Calculus & Vectors; one other Mathematics; one of Biology, Chemistry or Physics (minimum grade of 60% in one Mathematics)
Bachelor of Science (BSc) Honours/ Bachelor of Education (BEd) Primary/Junior – Concurrent	Mathematics ⁷	English (minimum grade of 70%); Calculus & Vectors; Advanced Functions; one of Biology, Chemistry or Physics (minimum grade of 60% in one Mathematics)

Bachelor of Science (BSc) Honours/ Bachelor of Education (BEd) Junior/Intermediate – Concurrent	Computer Science ⁷	English (minimum grade of 70%); Calculus & Vectors; one other Mathematics; one of Biology, Chemistry or Physics (minimum grade of 60% in one Mathematics)
Bachelor of Science (BSc) Honours/ Bachelor of Education (BEd) Junior/Intermediate – Concurrent	Mathematics ⁷	English (minimum grade of 70%); Calculus & Vectors; Advanced Functions; one of Biology, Chemistry or Physics (minimum grade of 60% in one Mathematics)
A Nipissing Degree with Orientation to Teaching (OTT) (not applicable to BSc in Nursing or BComm)	Elementary – available to high school applicants only	English (minimum grade of 70%); one Mathematics (minimum grade of 60%) and the regular requirements for degree program and/or major applied to.
A Nipissing Degree with Orientation to Teaching (OTT) (not applicable to BSc in Nursing or BComm)	Secondary – available to high school applicants only	English (minimum grade of 70%); and the regular requirements for the degree program and/or major applied to.
Bachelor of Arts (BA) or Bachelor of Science (BSc) combined with Bachelor of Commerce		The regular requirements for the Bachelor of Arts (BA) or Bachelor of Science (BSc) major applied to.
Wilfrid Laurier University/Nipissing University – Bachelor of Arts (BA) Honours/ Bachelor of Education (BEd) Primary/Junior – Joint Concurrent	Contemporary Studies (offered jointly by Wilfrid Laurier University – Brantford Campus and Nipissing University in Brantford ON) Application is made through OUAC to Wilfrid Laurier University (contact Wilfrid Laurier University for information)	English (minimum grade of 70%); one Mathematics (minimum grade of 60%)
Wilfrid Laurier University/Nipissing University – Bachelor of Arts (BA) Honours/ Bachelor of Education (BEd) Junior/Intermediate – Joint Concurrent	Contemporary Studies (offered jointly by Wilfrid Laurier University – Brantford Campus and Nipissing University in Brantford ON) Application is made through OUAC to Wilfrid Laurier University (contact Wilfrid Laurier University for information)	English (minimum grade of 70%); one Mathematics (minimum grade of 60%)

¹ Offered only at the Muskoka campus.

² Orientation to Teaching can be applied to with this degree program.

³ Students admitted without a 4U Mathematics or equivalent will be required to complete MATH 1911 or MATH 1912 in their first year.

⁴ A Certificate in Geomatics is also available to pursuing a four year Honours degree in these areas.

⁵ A Certificate in Neuroscience is also available to pursuing a four year Honours degree in these areas.

⁶ A Certificate in Environmental Management is also available to pursuing a four year Honours degree in these areas.

⁷ A Certificate in Game Design and Development is available to students pursuing a degree in these areas.

⁸ An iLEAD Business Experience Certificate is available to students pursuing one of these degrees.

The following certificates are available to all students pursuing any degree: Aboriginal Leadership; Digital Humanities; Health Studies and Gerontology.

Admission Requirements for Undergraduate Degree Programs Requiring Previous Post Secondary Studies

Concurrent Education for Early Childhood Education (ECE) Diploma Graduates

Successful completion of a two year Early Childhood Education (ECE) diploma from a recognized college with a minimum overall GPA of 3.0 as well as two completed Communication/English courses with a B average is required for admission consideration.

Bachelor of Science in Nursing (BScN) for Registered Practical Nurse (RPN) Graduates

Successful completion of a two year Registered Practical Nurse (RPN) diploma with a minimum overall GPA of 3.0 from one of the member institutions of the Northern Partners in Practical Nursing Education Consortium, as well as successful completion of the Canadian Practical Nurses Registration Examination (CPNRE) or proof of eligibility to write and subsequently pass the CPNRE is required for admission consideration.

Bachelor of Commerce (BComm) College Partnership Program

Successful completion of a three year approved Business Administration diploma from either Centennial College, Fanshawe College, Sheridan College, Algonquin College, Humber College, Mohawk College or St. Clair College with a minimum overall GPA of 3.2 (72%) or equivalent is required for admission consideration.

See the section Applicants from Ontario Colleges of Applied Arts and Technology (CAAT) for more information on the above programs.

Bachelor of Science in Nursing (BScN) Scholar Practitioner Program

Admission to the Bachelor of Science in Nursing Scholar Practitioner Program (SPP) is very limited. Admission consideration is based on the following criteria:

- A recognized undergraduate degree with a minimum overall average of 70% (calculated on the best 10 full course equivalents not including transfer courses). Applicants with final degrees containing less than 10 full course equivalents will not be considered.
- Personal Statement (only those meeting the above will have this reviewed)
- Reference Letter (only those meeting the above will have this reviewed)
- Interview (only those meeting the above will be invited to be interviewed)
- Applications and further information can be found at www.nipissingu.ca/registrarforms.

Bachelor of Science in Nursing (BScN) International University of Nursing (IUON) Program

Successful completion of the first three years of the Bachelor of Science in Nursing Degree (BSN) program at the International University of Nursing (IUON) with a minimum GPA of 2.5. Applications can be obtained through the International University of Nursing. For further information visit www.iuon.org.

Part-time Study Applicants and distance delivery, and 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 visit the Nipissing University website to obtain the Part-time/Distance Delivery/ Non-Degree Application Form or contact the Office of the Registrar to obtain the required application form. The form, required supporting documentation and the corresponding application fee must be received before an admission decision will be made. Also, some Nipissing degree programs are not available for part-time study.

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

Former Nipissing students who have not registered in Nipissing courses in more than the past twelve month period must apply for re-admission by submitting the Application Form found on the Nipissing University website or through the Office of the Registrar. The Application, required supporting documentation and corresponding fee must be submitted prior to the application being considered. Documentation of any educational studies pursued since the last registration at Nipissing will be required. Re-admitted students are required to meet current degree requirements. A meeting with an Academic Advisor is advisable to ensure current degree program requirements are met.

Admission Requirements

Applicants from Ontario Secondary School

The minimum requirement for admission consideration to Nipissing University is the completion of the Ontario Secondary School Diploma (OSSD), with a combination of a minimum of six 4U/4M courses including ENG4U. In addition, specific 4U courses are required depending upon the degree program applied to. The admissions average is calculated using the best grades as required including pre-requisite courses. The admissions cut-off averages for full-time (30 credits) status are at least 70% and can be higher. Please refer to the Admissions Chart for specific course requirements for Nipissing degree programs.

Admission is competitive and minimum cut-off averages are established each year. The admissions cut-off averages for undergraduate programs for full-time (30 credits) status are at least 70% and can be higher. A minimum of 75% is required for consideration for

Criminal Justice, BA or BSc with Concurrent Education and degrees with Orientation to Teaching (OTT). Those applying to any Nipissing undergraduate program, with less than 70% will only be considered for admission with reduced course loads and possibly to alternate programs. Applicants must present a minimum overall average of 60% (calculated using the best grades including required courses) for consideration for admission to Nipissing.

Applicants from other 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. A table showing high school courses for all provinces and territories that are equivalent to admission requirements for Ontario students can be found at <http://www.nipissingu.ca/departments/admissions-registrar/admission-requirements/Documents/Out-of-Province-Admission-Requirements.pdf>

Admission is competitive and minimum cut-off averages are established each year. Applicants must present a completed secondary school diploma. The admissions average is calculated using the best grades as required including pre-requisite courses. The admissions cut-off averages for full-time (30 credits) status are at least 70% and can be higher. A minimum of 75% is required for consideration for Criminal Justice, BA or BSc with Concurrent Education and degrees with Orientation to Teaching (OTT). Those with less than 70% will only be considered for admission with reduced course loads and possibly to alternate programs.

Minimum Admission Requirements from Canadian Secondary School and Quebec CEGEP Students

Alberta/Northwest Territories/Nunavut

English 30 or ELA 30-1 plus four Grade 12 courses numbered 30 or 31

British Columbia/Yukon

English 12 plus three other academic Grade 12 courses (courses with % grades not letter grades). Provincial exams not required.

Manitoba

English 40S plus four other Grade 12 courses at the 40 level

New Brunswick

English 121 or 122 plus four academic Grade 12 courses numbered 121 or 122 (courses numbered 120 may be considered)

Newfoundland

English 3201 (2 credits) plus five two-credit academic courses at level 3000

Nova Scotia

English 12 plus four other academic or advanced Grade 12 courses

Ontario

ENG4U plus five 4U and/or 4M courses

Prince Edward Island

English 621 plus four Grade 12 courses numbered 611 or 621

Quebec*

One year of CEGEP completed with a minimum 12 academic subjects including English

Saskatchewan

English A30 and B30 plus four Grade 12 courses numbered 30 or 30A

International Baccalaureate (IB)

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 30 credits, may be granted for courses completed at the higher level with a grade of 5 or higher. Applicants need to present courses in specific subject areas as outlined on the Admissions Chart.

Advanced Placement (AP)

Applicants who have completed Advanced Placement (AP) courses are encouraged to submit their examination results. Official AP score reports must be sent directly to Nipissing University. Advanced standing will be granted for most AP courses completed with a grade of 4 or higher, to a maximum of 18 credits.

International Applicants

Nipissing encourages qualified applicants from outside of Canada to consider applying to degree programs at Nipissing University. Interested applicants must apply for admission through the Ontario Universities' Application Centre (OUAC). Applications, the appropriate application fee and the required official documents (transcripts and other documentation) must be received by the Office of the Registrar by April 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 to which they have applied. International applicants may qualify for transfer credit for previously-completed studies 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. A Study Permit is required to study at a Canadian university for periods of 6 months or longer. Note that citizens from some countries are also required to obtain a Temporary Resident Visa to enter Canada. For further information and application forms, international applicants should contact the nearest Canadian Embassy or Consular office or refer to the Citizenship Immigration Canada website www.cic.gc.ca/english/study/study.asp

International students studying at universities in Ontario are required to purchase mandatory medical health insurance. The

* Applicants from Quebec who have completed more than one year of CEGEP (more than 12 courses) will be considered for admission with advanced standing. Applicants who have completed the DEC program at a CEGEP with a cumulative average of "B" or better will be considered for admission with advanced standing to a maximum of 30 credits. Prerequisite subjects still apply.

insurance is known as UHIP (University Health Insurance Plan) and must be purchased upon arrival at Nipissing University.

Financial aid is not normally available to International applicants. International secondary school applicants are eligible for Nipissing's Entrance Scholarships starting at \$1,250 for "A" average students. Limited opportunities for on-campus employment are available for international students, after the first year of study is completed, via the International Work-Study Program. See Nipissing International for further details.

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 allowed for permanent residents who submit the appropriate letter indicating they have been approved for landed immigrant status; 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.

Minimum Admission Requirements for International Applicants

All applicants are considered on an individual basis. The meeting of minimum requirements does not guarantee admission. Refer to the Admissions Chart for specific subject requirements for each degree program. Applicants can contact the Admissions Office at admiss@nipissingu.ca to request specific country requirements. For country specific admission requirements visit <http://www.nipissingu.ca/departments/admissions-registrar/admission-requirements/undergraduate/Pages/International.aspx>.

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

Applicants must present a minimum of the General Certificate of Education (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. Two Advanced Supplementary/Advanced Subsidiary (AS) subjects are considered equal to one Advanced Level subject for admissions purposes. Caribbean applicants may also present the Caribbean Examinations (CXC) Caribbean Secondary School Education Certificate (CSEC) and the Caribbean Advanced Proficiency Examinations (CAPE). The completed CAPE Diploma must include a total of at least six units with grades 1, 2 or 3. All program specific prerequisites must be included at either the CSEC/O Level or at the CAPE/A Level. CXC papers must be at the General Proficiency Level with grades 1, 2 or 3. Advanced Standing credit may be awarded for A level results.

Applicants from Middle Eastern countries

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

Applicants from the United States

Admissions consideration will be given to applicants from the United States who graduate with a "B" average from Grade 12 at an accredited high school and present high SAT scores in SAT

Reasoning or ACT examinations (minimum composite score of 24) including the Writing Test component and at least two SAT Subject Tests or AP/IB subjects appropriate to their proposed area of study. Scores below 500 in any part of the SAT Reasoning or SAT Subject Tests are not acceptable. Applicants with AP examination credits may be eligible for admission with Advanced Standing credit. Nipissing's SAT code is 4149 and ACT code is 5167.

Other applicants from the USA must have completed a minimum of one school year 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. Please visit <http://www.nipissingu.ca/departments/admissions-registrar/admission-requirements/undergraduate/Pages/International.aspx> for more information.

Applicants seeking admission on the basis of qualifications or certificates not mentioned above must submit original 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.

Applicants Possessing Post-Secondary Education

Admission with Advanced Standing or Transfer Credit

Applicants deemed eligible for admission with 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 notified of their eligibility.

The application of advanced standing or transfer credits to a degree program will vary depending on the degree program and major to which the applicant is admitted. Changing degree programs or majors may mean a loss of or change to the credits awarded. Nipissing University degree residency requirements will apply.

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 academic 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, Education, Dance, etc. Credits for courses taken in the areas of Physical and Health Education or Nursing may be granted when applied to the same program at Nipissing. This

policy also applies to those applicants who have attended other recognized Canadian universities.

Transfer credit will normally be awarded for a degree credit 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 on the same transcript.

Applicants seeking advanced standing when admitted to the Bachelor of Science in Nursing program may only receive credit for required courses that have been 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 apply for admission consideration to Nipissing University after “sitting out” for at least one full year.

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

Applicants to Nipissing University who have studied at an Ontario College of Applied Arts and Technology may qualify for admission if they meet the minimum admissions requirements outlined below. Specific subject requirements for particular degrees must be met through prior grade 12 studies or equivalent courses at the college level. Meeting the minimum requirements will not guarantee admission to certain programs. Admission to some programs is highly competitive and admission is selective.

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. *See special policies outlined below.

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. *See special policies outlined below.

c) One Year of College or Certificate Program Graduates

Applicants who have completed the first full year (two semesters) of a CAAT diploma program or graduates of a one-year (two semester) certificate program with a cumulative average of “B” or better will be considered for admission on probation. Students will not be eligible for advanced standing. Program specific subject requirements must still be met in order to be considered for some programs.

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

Early Childhood Education

Educational Assistant

Drug and Alcohol Counsellor

Indigenous Wellness and Addictions Prevention

Mental Health and Addictions Worker

Social Service Worker

Developmental Services Worker

Applicants who have successfully completed two year Early Childhood Education, Educational Assistant, Drug and Alcohol Counsellor, Indigenous Wellness and Addictions Prevention, Mental Health and Addictions Worker, Social Service Worker or Developmental Services Worker diploma programs at an Ontario CAAT with a cumulative average of “B” or better can be considered for admission to Bachelor of Arts programs with advanced standing to a maximum of 30 credits.

Community and Justice Services

Police Foundations

Law Clerk

Applicants who have successfully completed two year Community and Justice Services, Police Foundations or Law Clerk diploma programs at an Ontario CAAT with a cumulative average of “B+” (3.5 GPA) or better can be considered for admission to the Bachelor of Arts in Criminal Justice program (Corrections, Policing or Legal Studies and Administration streams respectively) with advanced standing to a maximum of 45 credits. Other programs can be applied to with a “B” average and a maximum of 30 credits of advanced standing granted.

Business Administration

Degree completion for Bachelor of Business Administration

Applicants who are graduates of a three-year Business Administration diploma at an Ontario CAAT with a cumulative 3.2 GPA can be considered for admission to the Bachelor of Business Administration degree with advanced standing to a maximum of 60 credits. Admitted students would be able to complete their program at Nipissing University in North Bay or through one of our college partners (Fanshawe College, Sheridan College, Algonquin College, Centennial College, St. Clair College, and Lambton College).

Applicants who are graduates of a two-year Business Administration diploma at an Ontario CAAT with a cumulative 3.2 GPA can be considered for admission to the Bachelor of Business Administration degree with advanced standing to a maximum of 42 credits. Admitted students would be able to complete their program at Nipissing University in North Bay or at one of our college partners (Fanshawe College, Sheridan College, Algonquin College, Centennial College, St. Clair College, and Lambton College) by using a combination of on-line, and where available, blended delivery courses.

Bachelor of Commerce – College Partnership Program

Applicants who are graduates of a three-year Business Administration diploma at an Ontario CAAT with a cumulative 3.2 GPA can be considered for admission to the Bachelor of Commerce degree with advanced standing to a maximum of 45 credits. Admitted students would be able to complete their program at Nipissing University in North Bay, through one of our college partners (Fanshawe College, Sheridan College, Algonquin College, Centennial College, St. Clair College, and Lambton College) or online as an independent learner.

Applicants who are graduates of a two-year Business Administration diploma at an Ontario CAAT with a cumulative 3.2 GPA can be considered for admission to the Bachelor of Commerce degree with advanced standing to a maximum of 30 credits. Admitted students would be able to complete their program at Nipissing University in North Bay or at one of our college partners (Fanshawe College, Sheridan College, Algonquin College, Centennial College, St. Clair College,

and Lambton College) by using a combination of online, and where available, blended delivery course.

Fine Arts

Applicants who have completed a three-year diploma program in Fine Arts from an Ontario CAAT with a minimum cumulative average of 70% (3.0 GPA) will be considered for admission to the Bachelor of Fine Arts (BFA) program with advanced standing to a maximum of 60 credits. All students admitted to the BFA are required to successfully complete the BFA Portfolio review by March 1 of their third year of study in order to remain in the BFA program. Students who are required to withdraw from the BFA may be eligible to continue in the BA in Fine Arts program.

Applicants who have completed a three-year diploma program in Fine Arts from an Ontario CAAT with a minimum cumulative average of 70% (3.0 GPA) will be considered for admission to the Bachelor of (BA) program in Arts and Culture or Fine Arts with advanced standing to a maximum of 42 credits.

Applicants who have completed a two-year diploma program with a Fine Arts focus (i.e. Fine Arts, Visual and Creative Arts, Art and Design) from an Ontario CAAT with a minimum cumulative average of 70% (3.0 GPA) will be considered for admission to the Bachelor of (BA) program in Arts and Culture or Fine Arts with advanced standing to a maximum of 30 credits.

Concurrent Education for Early Childhood Education Diploma Graduates

Nipissing University offers Concurrent Education in the primary/junior division. Over four years, students will work toward their Bachelor of Education and their Bachelor of Arts (Honours) in Child and Family Studies. This program is available only at the Muskoka Campus.

Successful completion of a two year Early Childhood Education diploma from a recognized college with a minimum overall GPA of 3.0 as well as two completed Communication/English courses with a B average is required for admission consideration.

Registered Practical Nurse (RPN)

Nipissing University offers Registered Practical Nurses a 3-year compressed BScN Program. The Post RPN to BScN compressed program will be offered through a full-time delivery model and will be six semesters in length.

Successful completion of a two year Registered Practical Nurse (RPN) diploma with a minimum overall GPA of 3.0 from either one of the following colleges: Cambrian College, Canadore College, College Boreal, Confederation College, Northern College, Niagara College and Sault College, as well as successful completion of the Canadian Practical Nurses Registration Examination (CPNRE) or proof of eligibility to write and subsequently pass the CPNRE is required for admission consideration.

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

Environmental Protection Technician

Applicants who are graduates of the Environmental Technician – Protection and Compliance diploma program at Canadore College with a cumulative 3.25 GPA or better can be considered for admission to Biology, Liberal Science

or Environmental Biology and Technology programs with advanced standing to a maximum of 48 credits.

Environmental Protection Technology

Applicants who are graduates of the former Environmental Protection Technology diploma program at Canadore College with a cumulative 3.25 GPA or better can 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 former 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 69 credits.

Biotechnology Technician

Applicants who are graduates of the Biotechnology Technician diploma program at Canadore College with a cumulative 3.25 GPA or better can be considered for admission to the Bachelor of Science in Biology with advanced standing to a maximum of 48 credits.

Biotechnology Technologist

Applicants who are graduates of the Biotechnology Technologist diploma program at Canadore College with a cumulative 3.25 GPA or better can be considered for admission to the Bachelor of Science in Biology with advanced standing to a maximum of 48 credits.

f) Special Georgian College Advanced Standing Policy Fine Arts (Advanced)

Applicants who have completed a three-year diploma program in Fine Arts (Advanced) from Georgian College of Applied Art and Technology with a minimum overall 70% average (3.0 GPA) will be considered for admission to the Bachelor of Fine Arts (BFA) program with advanced standing to a maximum of 66 credits.

Applicants who have completed a three-year diploma program in Fine Arts (Advanced) from Georgian College of Applied Art and Technology with a minimum overall 70% average (3.0 GPA) will be considered for admission to the Bachelor of Arts (BA) in Arts and Culture or Bachelor of Arts (BA) in Fine Arts programs with advanced standing to a maximum 48 credits.

All students admitted to the BFA are required to successfully complete the BFA Portfolio review within their first 30 Nipissing credits in order to remain in the BFA program. Students who are required to withdraw from the BFA may be eligible to continue in the BA in Fine Arts program.

Fine Arts

Applicants who have completed a two-year diploma program in Fine Arts from Georgian College of Applied Art and Technology with a minimum cumulative average of 70% (3.0 GPA) will be considered for admission to the Bachelor of Fine Arts (BFA) program or the Bachelor of (BA) program in Arts and Culture with advanced standing to a maximum of 42 credits. All students admitted to the BFA are required to successfully complete the BFA Portfolio review by March 1 of their third year of study in order to remain in the BFA program. Students who are required to withdraw from the BFA may be eligible to continue in the BA in Fine Arts program.

g) Special Fleming College (Haliburton School of the Arts) Advanced Standing Policy

Visual and Creative Arts

Applicants who have completed a two-year diploma program in Visual and Creative Arts from Fleming College (Haliburton School of the Arts) with a minimum cumulative average of 70% (3.0 GPA) will be considered for admission to the Bachelor of Fine Arts (BFA) program or the Bachelor of (BA) program in Arts and Culture or Fine Arts with advanced standing to a maximum of 33 credits. All students admitted to the BFA are required to successfully complete the BFA Portfolio review by March 1 of their third year of study in order to remain in the BFA program. Students who are required to withdraw from the BFA may be eligible to continue in the BA in Fine Arts program.

Applicants from Accredited Canadian Colleges

Applicants to Nipissing University who have studied at an accredited Canadian college may qualify for admission to degree programs if they meet the minimum admissions requirements as outlined in the Ontario College of Applied Arts and Technology (CAAT) admission section above.

Bible College Applicants

Applicants from Bible Colleges and similarly religious based institutions that are accredited with the Accrediting Association of Bible Colleges will follow the same policy for admission and advanced standing as for the CAATs.

No credit will be granted for courses in church education or administration, pastoral studies, or courses intended to promote a particular doctrinal or denominational belief.

Mature Student Applicants

Applicants who, according to the Office of the Registrar, do not qualify for undergraduate admission as a regularly qualified applicant may be considered for admission consideration as a mature student if they:

- will be 20 years of age or older by the end of the semester in which they wish to enrol;
- have been away from formal education (secondary school, community college, etc.) for at least the previous two years; and
- are a Canadian citizen or permanent resident.

Mature student applicants to Bachelor of Science degrees or Bachelor of Arts degrees in Computer Science, Economics or Mathematics, must present the 4U or equivalent program specific prerequisites as listed in the Admission Chart in the Academic Calendar.

Mature student applicants to limited enrolment programs (Concurrent Education, Nursing and Physical and Health Education) are not able to apply for direct entry admission consideration to these programs. Mature student applicants interested in these programs may be admitted to another program and apply for transfer consideration for the following year. For transfer consideration applicants will need to present the 4U or equivalent program specific prerequisites as listed in the Admission Chart in the Academic Calendar.

Mature student applicants are still required to provide transcripts of marks for studies that have been previously completed or undertaken.

Mature students who qualify for admission can be admitted full-time on probation with a reduced course load to a maximum of 24 credits. Upon successful completion of the 24 credits and having cleared academic probation, mature students are eligible for a full 30 credit load status.

Aboriginal Advantage Program

Applicants may be considered for admission to the Aboriginal Advantage Program if they:

- are of Aboriginal ancestry;
- are admissible as a mature student;
 - will be 20 years of age or older by the end of the semester in which they wish to enrol;
 - have been away from formal education (secondary school, community college, etc.) for at least the previous two years; and
 - are a Canadian citizen or permanent resident.

and

- are not admissible under any other Nipissing University admission policy.

Applicants will also be required to submit:

- one letter of reference; and
- a two-page statement explaining why they wish to attend university and how they plan on being successful in their academic pursuits.

Home-schooling Applicants

Applications for admission to undergraduate studies will be considered for those who have completed their high school education through a program of home-schooling. The type of program, measurable results (i.e. SAT/AP/ACT scores etc.) and other factors (including letters of reference, personal interview) may be taken into consideration in the admission decision of such applicants. Interested applicants are encouraged to contact the Admissions Office for more information.

Other Applicants

Admission to Degree Upgrading for Nipissing University Graduates

Students who have graduated with a Nipissing three-year General degree (Bachelor of Arts or Bachelor of Science) may upgrade their major subject to either an Honours Specialization or Specialization according to the criteria outlined below.

Upgrade to an Honours Degree with an Honours Specialization

Students who have graduated with a Nipissing three-year Bachelor of Arts or three-year Bachelor of Science degree, and who wish to upgrade to an Honours Bachelor of Arts or an Honours Bachelor of Science degree, with an honours specialization in the same subject of study, may apply for readmission to the University indicating their intent to pursue an Honours upgrade in the same subject of study on the application for re-admission.

To graduate with an Honours Bachelor degree students must meet the current published requirements for the Honours degree and the Honours Specialization as specified in the Academic Calendar for the year they are re-admitted.

Upgrade to a Bachelor Degree with a Specialization

Students who have graduated with a Nipissing three-year Bachelor of Arts or three-year Bachelor of Science degree, and who wish to upgrade to a Bachelor of Arts or a Bachelor of Science degree with a specialization in the same subject of study, may apply for readmission to the University indicating their intent to pursue an upgrade in the same subject of study on the application for re-admission.

To graduate with Bachelor degree students must meet the current published requirements for the Bachelor degree and the Specialization as specified in the Academic Calendar for the year they are re-admitted.

Admission to a Second Degree Program

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 from an accredited university. A second degree in Nursing may require the repeating of core credits taken in the first degree, if they are more than 10 years old.

Exceptions to Normal Admission Requirements – All Undergraduate Degree Programs

The Undergraduate Standing and Petitions Subcommittee (S&P) may consider requests to modify admission requirements for applicants who do not meet admission requirements, but whom 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 to the Committee, in writing, and produce documentary evidence as appropriate, 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 Nipissing degree program. Auditors must have completed prerequisite courses or equivalent for the course which they want to audit. Courses that are more practical in nature such as (but not limited to) computer science, nursing, languages, physical education, music and fine arts are not open to auditors. Degree students have priority in registration for limited enrolment courses. Application forms for admission are available from the Office of the Registrar.

Letter of Permission Applicants

Students enrolled at other recognized universities may apply for admission on a Letter of Permission and be admitted to Nipissing for purposes of transfer of credit to their home universities. Documentation required for admission is the Nipissing University Application Form and 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 for each term they wish to register for. The Letter of Permission must be received at Nipissing prior to the start of classes being registered for. Some courses are not open to students on Letter of Permission. There is no guarantee that a student on a Letter of Permission will be able to register in a courses simply because they have received a

letter of permission. Nipissing degree students take precedent over non-degree students in limited enrolment courses.

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, a qualifying year, or for the purpose of meeting the requirements for a professional designation etc. Course prerequisites must be met. Contact the Office of the Registrar for information.

Additional Information

For Those Considering a Teaching Career

Nipissing's one-year Bachelor of Education (BEd) program is a consecutive, 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 Schulich School of Education. The School 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. Nipissing does also offer Concurrent BA/BEd and BSc/BEd programs.

Students who plan to apply to Nipissing's Schulich School of Education to obtain an Ontario 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 specifically required for admission to the BEd degree program – particularly the primary/junior and junior/intermediate divisions – 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 Second Language Teaching: French 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 Junior/Intermediate Division (Grades 4-10) must complete at least eighteen undergraduate credits in one 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 Intermediate/Senior Division (Grades 7-12) must be qualified to teach in two 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. Refer to the BEd intermediate/senior division section of the Academic Calendar for a listing of teaching subject disciplines offered at Nipissing.

Nipissing undergraduate students interested in pursuing our Bachelor of Education have three 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 Basic Admission Requirements for the Consecutive Bachelor of Education section of the Academic Calendar for information. The second option is to qualify for guaranteed admission to Nipissing's BEd degree program as a Nipissing Degree with Orientation to Teaching (OTT) graduate. Refer to the section below for information. The third option is to apply for Nipissing University's Concurrent BA/BE or BSc/BE Concurrent degree programs.

A Nipissing Degree with Orientation to Teaching (OTT)

Orientation to Teaching (OTT) is not a degree program in itself. It is simply a route into Nipissing's one year BEd program. Applying to a Degree with Orientation to Teaching is offered to Nipissing students as an alternative to our Concurrent Education programs.

Orientation to Teaching is applicable to all Nipissing undergraduate programs except BScN or BComm.

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 Schulich School 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.

Students should meet with an Academic Advisor 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 a Degree program with OTT, and who complete their Nipissing undergraduate degree programs including the OTT specific courses, with a minimum overall average of 75% on their best 60 university credits (or equivalent) passed with credit value, are guaranteed admission to the Bachelor of Education degree program. This average will be calculated using all university courses passed whether or not the courses are/were required for the degree. This offer is for the academic year immediately following the completion of courses needed for graduation. All courses required for the degree and/or teachable subject requirements must be completed by May 1 of the year for which the BEd application is being made.

There are two regular OTT opportunities: OTT and OTT for Physical and Health Education (BPHE). Each has its own unique OTT requirements. There is also an OTT for ECE Graduates which is open only to students admitted from a recognized ECE diploma program.

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.

OTT – Elementary

Students must comply with the requirements for their degree program and include the following OTT set of courses:

MATH 1070 Fundamentals of Arithmetic for Teachers, or six credits in Mathematics courses having 4U or equivalent prerequisites, and
 SOCI 2091 Sociology for Educators I, and
 SOCI 2092 Sociology for Educators II, and
 EDUC 0106 Introduction to Teaching, and
 PSYC 2020 Developmental Psychology of Educators

or both of

PSYC 2006 Childhood Development and
 PSYC 2007 Adult Development

or both of

CHFS 2106 Human Development: Children and Youth
 CHFS 2107 Human Development: Adults and Aging

OTT for BPHE – Elementary

Students must comply with the requirements for their BPHE degree program and include the following OTT set of courses:

MATH 1070 Fundamentals of Arithmetic for Teachers, or six credits in Mathematics courses having 4U or equivalent prerequisites, and
 PHED 2017 Teaching and Learning in Physical Education, and

one of

PHED 2106, or PHED 3106 or PHED 4106 successfully completed in an educational setting working with young children

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.

OTT – Secondary

Students must comply with the requirements for their degree programs and include the following OTT set of courses:

SOCI 2091 Sociology for Educators I, and
 SOCI 2092 Sociology for Educators II, and
 EDUC 0106 Introduction to Teaching, and
 PSYC 2020 Developmental Psychology of Educators

or both of

PSYC 2006 Childhood Development and
 PSYC 2007 Adult Development

or both of

CHFS 2106 Human Development: Children and Youth
 CHFS 2107 Human Development: Adults and Aging

OTT for BPHE – Secondary

Students must comply with the requirements for their BPHE degree program and include the following OTT set of courses:

PHED 2017 Teaching and Learning in Physical Education,

and one of

PHED 2106, or PHED 3106 or PHED 4106 successfully completed in an educational setting working with young children

Admission to a Degree with OTT – Direct Entry from Secondary School

Canadian secondary school applicants will apply directly to a Nipissing degree program on the Ontario Universities' Application Centre application. Applicants will need to select yes when asked if the degree is with OTT on their OUAC application in order to receive consideration for this unique Nipissing opportunity.

A minimum 75% overall average on the best six combination of 4U/ 4M courses or applicable province equivalent (see minimum Admission Requirements in this section of the Academic Calendar) are required for OTT consideration. All applicants must have a minimum 70% in ENG4U or applicable province equivalent. Applicants to the Elementary Stream must have at least one 4U Mathematics (or other province equivalent) course with a minimum 60% as a prerequisite, in addition to the prerequisite courses required for the degree program applied to. Applicants to the Secondary Stream must meet the prerequisite course requirements for the degree program applied to.

Applicants not meeting the minimum 75% Degree with OTT average may receive an Admission Offer to the degree program applied to but not with OTT. Secondary school applicants who do not receive admission to a Nipissing degree with OTT directly from secondary school may qualify 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 to a Degree with OTT – Upper-Year

Upper-Year Admission

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 (normally mid-April each year). A minimum 75% overall average on all university courses completed 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 already successfully completed six credits in Mathematics as follows:

MATH 1070 Fundamentals of Arithmetic for Teachers,

or

six credits in any other Mathematics courses having 4U or equivalent prerequisites.

Applicants will indicate their choice of Elementary Stream or Secondary Stream on their Upper-Year OTT application. Upper-Year OTT applications are normally available online at www.nipissingu.ca/registrar/registrarforms.asp in February.

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

Admission to a Degree with OTT for Early Childhood Education (ECE) Diploma Graduates

ECE – OTT 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 75% overall average on their best 60 credits (or equivalent) 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 during their first year to ensure that they are eligible to apply to the OTT for ECE Graduates process. Such 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 University degree program based on an Early Childhood Education diploma with a cumulative average of "B" or better;
2. have completed a minimum of 30 credits of university study;
3. have completed no more than a total of 72 university credits (including advanced standing and transfer credits);
4. have a minimum overall average of 75% on all university courses completed, (completed at Nipissing or any other university, and whether or not they were required for the degree) and

Application forms are available from the Office of the Registrar. Students are responsible for determining that they meet the eligibility requirements for ECE – OTT and for submitting the application form. Students should submit the application form as soon as they have met the above criteria.

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

Six credits in English (ENGL) or Academic Writing (ACAD), and
 SOCI 2091 Sociology for Educators I, and
 SOCI 2092 Sociology for Educators II, and
 Six credits in Science (other than Mathematics)

and

Six credits from the following:

MATH 1911 Finite Mathematics
 MATH 1912 Elementary Calculus
 MATH 1922 Data Management

or

MATH 1070 Fundamentals of Arithmetic for Teachers*

*Students with a 4U or equivalent Mathematics credit may only choose MATH 1070 in order to qualify for OTT for ECE admission to the BED program.

Admission to Bachelor of Arts or Science/Bachelor of Education – Concurrent Programs

Admission requirements for consideration to the Bachelor of Arts or Science/Bachelor of Education – Concurrent Programs are outlined in the admissions chart (page 15).

Admission to Wilfrid Laurier University/ Nipissing University Joint Concurrent Bachelor of Arts/Bachelor of Education

Admission requirements for consideration to the Joint Concurrent Education program are outlined in the admissions chart (page 15).

For Those Considering Medical School

Nipissing University is an excellent choice in order to obtain the necessary prerequisites for admissions consideration to medical school.

Currently in Canada there are 17 accredited medical schools. Each medical school has its own unique admission requirements. A minimum of three years of undergraduate study is required in order to be eligible to apply to medical school. Most applicants will have more. There is no one specific degree or major that is required for admission to medical school. It is advisable that students choose a degree or major that suits their interests. Some medical schools will require that applicants complete specific courses for admission consideration. Typically the courses are in the areas of Biology, Biochemistry, General Chemistry, Organic Chemistry, Physical Sciences and Life Sciences. Some medical schools will also require Humanities and/or Social Science courses. The following are examples of courses that Nipissing students may consider taking as part of their degree program in order to meet the minimum academic admission requirements to medical school.

BIOL 1006 Introduction to Molecular and Cell Biology
 BIOL 1007 Introduction to Organismal and Evolutionary Biology
 BIOL 2206 Introduction to Biochemistry

CHEM 1006 General Chemistry I and
 CHEM 1007 General Chemistry II
 CHEM 2306 Introduction to Organic Chemistry I
 CHEM 2307 Introduction to Organic Chemistry II
 PHYS 1006 General Physics I: Mechanics and
 PHYS 1007 General Physics II: Mechanical Wave, Fluid Mechanics and Thermodynamics

Completion of these courses does not guarantee admission into medical school. Students interested in applying to medical school in the future should consult the medical schools to which they will be applying to ensure that they have chosen appropriate courses to meet admission requirements.

In addition to academic requirements students may also be required to write the MCAT (Medical College Admissions Test) and meet a variety of non-academic requirements.

Nipissing University is known for its individual attention and research. The opportunity to work one-on-one with professors and to gain graduate level research experience as an undergraduate student is something that can't be found at every university. These unique opportunities will assist students with some of the non-academic criteria necessary for medical school.

A minimum of three to four years of study is required to complete a medical program. Upon completion of a medical degree students will enter their residency which can take two or more years to complete depending upon the specialization chosen.

For more information on Ontario medical school admission requirements visit the Ontario Medical School Application Service (OMSAS) website at www.ouac.on.ca/omsas. For information on other Canadian and US medical schools visit www.afmc.ca and www.aamc.org/medicalschoools.

For Those Considering Law School

Nipissing University is an excellent choice in order to obtain the necessary prerequisites for admissions consideration to law school.

Currently in Canada there are 25 accredited law schools. Each law school has its own unique admission requirements. A minimum of two to three years of undergraduate study is required in order to be eligible to apply to law school. Most applicants will have more. There is no one specific degree or major that is required for admission to law school. Most students will choose to pursue an undergraduate degree in either Political Science or Criminal Justice (Nipissing offers both) although this is not necessary. It is advisable that students choose a degree or major that suits their interests. Students should also consider programs and/or courses that will assist them in developing skills in areas such as problem-solving, critical reading, writing, communication, listening, research, organization and management. Students may wish to consider taking courses in Economics, English, History, Math, Philosophy, Political Science, Psychology and Sociology as part of their undergraduate degree. Nipissing University offers courses in all these areas. It is also recommended that students seek ways to develop some of these skills through non-academic means (i.e. extracurricular activities, life experiences). Students interested in applying to law school in the future should consult the schools to which they will be applying to ensure that they have chosen appropriate courses to meet admission requirements.

In addition to academic requirements students will be required to write the LSAT (Law School Admissions Test) and submit a personal statement and references.

Nipissing University is known for its individual attention and research. The opportunity to work one-on-one with professors and to gain graduate level research experience as an undergraduate student is something that can't be found at every university. These unique opportunities will assist students with some of the non-academic criteria necessary for law school.

A minimum of three years of study is required to complete a law program followed up by a year of articling.

For more information on law school visit the Law School Admission Council's website at www.lsat.org.

For Those Considering Veterinary Medicine

Nipissing University is an excellent choice in order to obtain the necessary prerequisites for admissions consideration to veterinary medicine programs.

Currently in Canada there are five veterinary medical schools (University of Calgary, University of Guelph, Université de Montréal, University of Prince Edward Island and University of Saskatchewan). Each school services a specific region of Canada. Students should be aware that they may need to meet specific provincial residency requirements in order to be eligible to apply.

Each veterinary medicine program has its own unique set of admission requirements. A minimum of two to three years of undergraduate study is required to apply to veterinary medicine programs. However most applicants will have more. Normally applicants are required to complete courses in Biology and Genetics as

well as Math and/or Statistics for admission consideration. Other academic requirements may also include courses in Chemistry, Organic Chemistry, Biochemistry, Physics, Microbiology and Ecology. Some schools may also look for courses in the Humanities and/or Social Sciences. Nipissing University offers courses in all these areas. Students interested in applying to veterinary medicine in the future should consult the schools to which they will be applying to ensure that they have chosen appropriate courses to meet admission requirements.

Nipissing University is known for its individual attention and research. The opportunity to work one-on-one with professors and to gain graduate level research experience as an undergraduate student is something that can't be found at every university. These unique opportunities will assist students with any non-academic criteria requirements necessary for veterinary medicine programs.

A minimum of four years of study is required to complete a veterinary medicine program.

For more information on veterinary medicine students should visit www.aavmc.org.

For Those Considering Professional Designations and Accreditation

A professional designation indicates that a person is highly skilled and knowledgeable in their specific profession. Courses completed within Nipissing's Bachelor of Business Administration program can help to meet the requirements for a variety of business professional designations. For further information please see Professional Designations and Accreditation in the index.

Admission Requirements for Professional Programs: Education

This section presents Admission Requirements and Information for the following:

- **BEd Consecutive** – Full-time program
- **BEd Concurrent**
- **Professional Development for Teachers (Additional Qualifications)** – Part-time program
- **Aboriginal Professional Programs** – Native Classroom Assistant Diploma, Native Special Education Assistant Diploma, Teacher of Anishnaabemwin as a Second Language Diploma, Aboriginal Teacher Certification

Bachelor of Education (BEd) – Consecutive

How to Apply

Application for admission to the full-time one year Consecutive Bachelor of Education program is made online through the Ontario Universities' Application Centre (OUAC). The Teacher Education Application Service (TEAS) application is available online 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.

To be eligible for admission consideration, candidates must submit the following to the Office of the Registrar by the deadline specified when applying:

- 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 Profile is an online form completed through 'My Nipissing'. Instructions on completing the form are sent to applicants once the application has been received.
- d) Applicants whose first language is not English will be required to submit the results from either the Test of English as a Foreign Language (TOEFL), the International English Language Testing System (IELTS), the Michigan English Language Assessment Battery (MELAB), or the Pearson Test of English.

The required minimum score for TOEFL is 600 (PBT), or 100 (iBT) with a minimum score of 27 on writing

and 27 on speaking. The TOEFL is administered by the Educational Testing Service: www.toefl.org

The requirement for IELTS is a minimum overall score of 7 with scores of at least 6.5 in reading and listening and scores of at least 7 in writing and speaking. The test is administered by IELTS Test Centre Canada: Email: ielts@conestogac.on.ca

The requirement for MELAB is a minimum overall score of 90 and a minimum rating of 4 on the Oral Interview Component.

The requirement for the Pearson Test of English is an overall score of 67 with scores of at least 60 in reading, writing, listening and speaking.

Basic Admission Requirements for the Consecutive Bachelor of Education

Enrolment in the Bachelor of Education program each year is limited and highly competitive. Selection of candidates is based primarily on academic achievement at the undergraduate level, but the School may take experiential qualifications into consideration in the final selection process. Candidates are required to use only the Nipissing Experience Profile form to present their experiential qualifications.

Applicants must be graduating with an undergraduate degree by June of the year for which they are applying. Courses needed to meet teachable subject requirements as outlined below must be completed by April of the year being applied for. Your complete undergraduate degree program must include a minimum of 10 full university courses (not including college transfer courses) in order to be considered for admission.

The academic average for admission consideration will be calculated on the best (highest grade) 10 full university undergraduate courses (60 credits) not including college transfer courses. If an applicant presents more than 25 full university undergraduate courses, only the first 25 full university undergraduate courses will be considered. Applicants with a graduate degree will have a maximum of 5 full graduate courses included in their average. A full course normally represents study completed across two semesters (September – April) or equivalent.

The academic average for candidates who, at the time of application, have not completed 10 full undergraduate courses will be calculated on those courses completed at the time of application.

Please refer to the divisions listed below for additional admission requirements.

Applicants who are offered admission to the Bachelor of Education will be required to provide an satisfactory criminal reference check prior to beginning the program.

It is the policy of Nipissing University to encourage applications from qualified applicants who are Aboriginal, members of visible minorities and differently-abled persons.

Aboriginal or 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 Office of the Registrar.

Divisions

The following divisions are offered in the one-year consecutive Bachelor of Education program:

Primary/Junior

This division prepares the candidate to teach from Junior Kindergarten to Grade 6. Candidates do not choose teaching subjects. In addition to admission criteria outlined above, preference will be given to candidates with breadth to their undergraduate degree.

Junior/Intermediate

This division prepares the candidate to teach Grade 4 to Grade 10 with specific preparation in one teaching subject, at the intermediate level. In addition to admission criteria outlined above, candidates must have at least three full undergraduate courses (18 credits) in the teaching subject being applied to. Teachable subjects offered at Nipissing are:

Computer Studies	Mathematics
English	Music – Instrumental
French as a Second Language	Religious Education (Catholic)
Geography	Science – General
Health and Physical Education	Visual Arts
History	

Note:

- Computer Studies** – At least one of the courses presented for the teachable must be a programming language course.
- English** – Courses presented for the teachable must be English literature courses. English remedial courses will not be considered. (e.g. Nipissing's ENGL 1501/1502, ENGL 1551/1552 will not be considered). Cross-listed courses will not be counted for a teachable in English.
- French as a Second Language** – No more than one full course can be at the first year level. Applicants must possess oral and written fluency in the French language and a thorough knowledge of grammar.
- Instrumental Music** – The prerequisite is three full (18 credits) undergraduate performance courses. Candidates will be considered based on academic background and experience in the discipline.
- Mathematics** – Mathematics courses equivalent to a high school Mathematics course cannot be counted towards the teaching subject. At least six credits (one full course) of the 18 credits required must be beyond the first year level.
- 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.

- Science (General)** – The prerequisite is three full undergraduate courses in a combination of Biology, Chemistry and Physics. Candidates must have two of these three disciplines.
- Visual Arts** – The prerequisite is three full undergraduate studio courses. Examples of studio courses are courses such as painting, drawing, sculpture, etc. Candidates will also be considered based on academic background and experience in the discipline.

Please Note: Cross-listed courses from a different discipline are not always counted towards the teachable subject. Please email the Office of the Registrar at edadmiss@nipissingu.ca for further details.

Intermediate/Senior

This division prepares the candidate to teach Grade 7 to Grade 12 with specific preparation in two teaching subjects. In addition to admission criteria outlined above, candidates must have at least five full undergraduate courses (30 credits) in the first teaching subject being applied to and at least three full undergraduate courses (18 credits) in the second teaching subject being applied to. The following teaching subjects are offered at Nipissing:

Biology	Health and Physical Education
Business Studies – General	History
Chemistry	Mathematics
Computer Studies	Music – Instrumental
English	Physics
French as a Second Language	Religious Education (Catholic)
Geography	Visual Arts

Note:

- Business Studies – General** – Courses must from at least two of the following areas: Organizations (Human Resources), Management, Marketing, Business Ethics, Entrepreneurship, Accounting, and Technology Management. Only one full course (two semester courses) in Economics can count towards the requirement.
- Computer Studies** – At least one of the courses presented for the teachable must be a programming language course.
- English** – Courses presented for the teachable must be English literature courses. English remedial courses will not be considered. (e.g. Nipissing's ENGL 1501/1502, ENGL 1551/1552 will not be considered). Cross-listed courses will not be counted for a teachable in English.
- French as a Second Language** – No more than two full courses towards a first teaching subject in French can be at the first year level. No more than one full course towards a second teaching subject in French can be at the first year level.
- Instrumental Music** – Candidates must present the required number of courses including a minimum of three full undergraduate performance courses. Candidates will be considered based on academic background and experience in the discipline.
- Mathematics** – Mathematics courses equivalent to a high school Mathematics course will not be counted towards the teaching subject. At least twelve credits (two full courses) towards a first teaching subject in Mathematics

must be beyond the first year level. At least six credits (one full course) towards a second teaching subject in Mathematics must be beyond the first year level.

- 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.
- h) **Visual Arts** – Candidates must present the required number of courses including a minimum of three full undergraduate studio courses. Examples of studio courses are courses such as painting, drawing, sculpture, etc.

Please Note: Cross-listed courses from a different discipline are not always counted towards the teachable subject. Please email the Office of the Registrar at edadmiss@nipissingu.ca for further details.

Bachelor of Education (BEd) – Concurrent

Please refer to the Undergraduate Admissions section of the Calendar for admission requirements to the Concurrent Education programs.

Professional Development for Teachers (Additional Qualifications)

How to Apply

Qualified Teachers are eligible to register for Additional Qualification courses online through My Nipissing and WebAdvisor at www.nipissingu.ca. Applicants may also register for courses in-person at the Office of the Registrar, or by fax or mail. The necessary forms for admission/registration can be downloaded from the Nipissing University Professional Development for Teachers website at www.nipissingu.ca/aq.

Admission Requirements

Each Additional Qualification course has specific pre-requisites that must be met prior to registration. Details are provided with each course description found in the Course Listing section of the Academic Calendar.

Aboriginal Professional Programs

- Native Classroom Assistant Diploma
- Native Special Education Assistant Diploma
- Teacher of Anishnaabemwin as a Second Language Diploma
- Aboriginal Teacher Certification

How to Apply

Applicants for admission to the Native Classroom Assistant Diploma, or the Native Special Education Assistant Diploma, the Teacher of Anishnaabemwin as a Second Language Diploma, or the Aboriginal Teacher Certification programs can print the required

application form from the Nipissing University website. The completed application form and application fee must be submitted to the Office of the Registrar, Aboriginal Programs Admissions by the deadline specified on the Nipissing University website. Details are available each year at www.nipissingu.ca/aboriginal.

Native Classroom Assistant Diploma Program (NCADP) (Parts I, II, and III)

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

NCADP Part I:

Applicants must:

- have completed a minimum of Ontario Grade 12;
- be of Aboriginal descent;
- be recommended to the Program by an Aboriginal organization;
- have a recent criminal record check.

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.

NCADP 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 information form.
- 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.
 - a recent criminal record check.

NCADP 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 information form.

Native Special Education Assistant Diploma Program (NSEADP) (Parts I, II or III)

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

NSEADP Part I:

Applicants must:

- have a minimum of Ontario Grade 12;
- be of Aboriginal descent;
- be recommended to the program by an Aboriginal organization;
- have a recent criminal record check.

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.

NSEADP 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 information form;
- a recent criminal record check.

NSEADP 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 information form;
- a recent criminal record check.

Teacher of Anishnaabemwin as a Second Language (TASL)

After completing the Teacher of Anishnaabemwin as a Second Language: (TASL), you will be qualified to teach Anishnaabemwin as a subject, to Native and non-Native students, according to the Ontario curriculum, from Kindergarten to Grade 12.

Admission Requirements

1. Minimum completion of Ontario Grade 12 or equivalent. Candidates without grade 12 can be admitted if they are 21

years or older and have been out of school for two years or more;

2. A one-page statement outlining why you wish to be a teacher of Ojibwe;
3. Two letters of reference of which one letter is from an individual in a professional capacity who can attest to your level of fluency (Chief and Council, Education Director, Education Authority Board member, Cultural Committee member, etc.);
4. Be of Aboriginal descent.

Aboriginal Teacher Certification Program

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

Applicants must meet each of the following four requirements in order to be considered for admission:

1. One 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. Proof of 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. Proof of an Ontario Secondary School Diploma – Grade 12 or equivalent.
4. Proof of Aboriginal descent.

University Regulations and Information for Students

This section contains information on the following:

General University Policies (page 39)

- Privacy Statement
- Policy on Notification of Disclosure of Personal Information to Statistics Canada
- Policy on Student Records
- Harassment and Discrimination Policy

Academic Policies and Regulations (page 45)

- Attendance
- Policy on Course Waiting Lists
- Evaluation and Grading System
- Final Examinations
- Policy on Religious Accommodation for Students
- Student Appeals and Petitions

Registration Procedures and Regulations (page 54)

Graduation (page 55)

Charges and Fees (page 55)

Student Information and Resources (page 58)

- Aboriginal Services
- Academic Skills Program
- Alumni Association
- Centre for Flexible Teaching and Learning
- Student Accessibility Services
- Student Counselling Services
- Health Plan
- Library
- International Initiatives
- Off-Campus Living
- Office of the Registrar
- Career Services
- Residence
- Transition Programs
- Women's Centre
- Student Life – Cultural, Social, Sports and Recreational Activities
- Student Union
- Government Financial Assistance
- Scholarships

Code of Student Rights and Responsibilities (page 66)

University Regulations and Information for Students

General University Policies

Privacy Statement

Nipissing University respects the privacy of their students, faculty, staff, alumni and donors and will make every effort to protect the personal information that is collected, used or held by the University.

To ensure that all personal information is dealt with appropriately, Nipissing University will comply with the Personal Information Protection and Electronic Documents Act (PIPEDA) as it applies to the university sector.

The Council of Ontario Universities (COU) obtained a legal opinion on how PIPEDA applies to universities. It concluded that PIPEDA applies to the collection, use and disclosure of personal information in the course of “commercial activity” rather than educational purposes.

Effective June 10, 2006, universities will be subject to the Freedom of Information and Protection of Privacy Act. Details of the act can be found at the following links:

www.privcom.gc.ca

http://www.e-laws.gov.on.ca/html/statutes/english/elaws_statutes_90f31_e.htm

The Privacy Officer for Nipissing University is Bob Keech, Vice-President, Operations, Room A205, (705) 474-3450, ext. 4353.

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. On request by a student, Statistics Canada will delete an individual’s contact information (name, address, or other personal identifiers) from the PSIS database. Such a request may be made:

Via telephone – Monday to Friday 8:30 A.M. to 4:30 P.M. 1-800-307-3382 or 1-613-951-7608

Via mail – Institutional Surveys Section, Centre for Education Statistics, Statistics Canada, Main Building, SC 2100-K Tunney’s Pasture, Ottawa, Ontario, K1A 0T6

Via email – PSIS-SIEP_contact@statcan.gc.ca

Further information on the use of this information can be obtained from Statistics’ Canada’s website (www.statcan.ca/english/concepts/PSIS/index.htm).

Policy on Notification of Indirect Collection of Enrolment Data reported by Ontario Universities and Colleges to the Ministry of Training, Colleges and Universities

The Ministry of Training, Colleges and Universities (the Ministry) collects enrolment data on Ontario’s students, including personal information, from Ontario’s colleges and universities.

In particular, the Ministry requires publicly-funded:

- Colleges of applied arts and technology (hereafter referred to as “colleges”);
- Universities and university-level institutions (hereafter referred to as “universities”)

to provide regular enrolment reports to the Ministry.

Institutions federated or affiliated with colleges or universities may report their enrolments in funded programs as part of the reports of their parent institutions. A list of reporting institutions can be found in the Frequently Asked Questions Section on the Ministry’s website.

One of the major sources of data provided to the Ministry by publicly-funded colleges and universities is regular reporting on student-level enrolment-related data on students attending post-secondary education in Ontario.

The Ministry collects regular reports on enrolment to ensure the proper administration of the publicly-funded postsecondary education system in Ontario, including to administer government postsecondary funding, programs and policies, which includes planning, evaluation and monitoring activities.

The Government of Ontario provides grants to universities and colleges to assist in the provision of publicly-funded postsecondary education in Ontario. These grants, which are based primarily on enrolment data, when combined with student tuition contributions, are a major source of the funding used by colleges and universities to meet the cost of providing PSE programs, such as the costs of instruction and research, academic support services, libraries, administration and physical plant maintenance. In addition, grants are provided to support a variety of government policy and program objectives.

Enrolment data is used to determine eligibility for grants provided to postsecondary institutions and/or student, to support the determination by the Ministry of the level, duration and eligibility for government funding and the total capacity of each institution to meet provincial enrolment demand.

Colleges and universities and postsecondary agencies directly collect student information for their own purposes and are the official sources of such information.

Data is normally provided to the Ministry by colleges and universities instead of directly from individuals and as such is called an ‘indirect collection of information.’

Ministry of Training, Colleges and Universities Collects Limited Personal Information

The Ministry collects enrolment data at the student level from Ontario colleges and universities at predetermined points in time during the academic year through the Ministry’s Postsecondary Financial Information System - Enrolment Data Collection system.

The Ministry collects data on student enrolment and characteristics from colleges and universities, including data in areas such as:

- a) The credentials students are pursuing (e.g. diplomas, degrees, certificates, graduate degrees);
- b) Ontario Education Numbers and institutional student identification numbers;
- c) Programs in which students are enrolled (e.g. Arts and Science, Engineering, Health);
- d) Information on educational outcomes, such as year of study and graduation and enrolments between institutions;
- e) Types of students enrolled in Ontario’s postsecondary institutions (e.g. Canadian citizens, international students);
- f) Data on student characteristics, such as gender, date of birth, language spoken, permanent residence, stage of current study, and full or part-time status;
- g) and other data that might be required from time-to-time to administer postsecondary policies and programs.

Enrolment reports provided to the Ministry by each college and university contain data elements which contain limited personal information as defined in the Ontario’s Freedom of Information and Protection of Privacy Act (FIPPA). Personal information provided to the Ministry, which includes an Ontario Education Number (OEN) for postsecondary students, is protected by the Ministry in compliance with FIPPA.

The Ministry requires that enrolment reports be audited annually and reserves the right to verify any information provided by an institution.

Use of Information Collected by the Ministry of Training, Colleges and Universities

One of the major sources of data provided to the Ministry by colleges and universities is in regular reporting of student-level enrolment-related data on students enrolled in postsecondary education.

The Ministry requires this data to ensure the proper administration of the publicly-funded postsecondary education system in Ontario.

Regular reports on enrolment are needed to administer government postsecondary funding, programs and policies, including planning, evaluation and monitoring activities.

Enrolment data is used to determine eligibility for grants provided to postsecondary institutions and/or students. Enrolment data reports support the determination by the Ministry of the level, duration and eligibility for government funding and the total capacity of each institution to meet provincial enrolment demand.

The Ministry does not collect or use personal information if other information will serve the intended purpose. Data containing personal information is depersonalized when this data is used for statistical analysis or integration with other data sets where elemental level data is required to develop a meaningful and accurate evidence base.

Legal Basis to Collect Information

Enrolment reports to the Ministry are collected under the authority of the Ministry of Training, Colleges and Universities Act, R.S.O. 1990 Chapter M. 19, as amended from time-to-time, and for colleges of applied arts and technology under the Ontario Colleges of Applied Arts and Technology Act, 2002. All universities and colleges that receive regular and ongoing operating funding from the province for the purpose of post-secondary education, as well as the federated and affiliated colleges and universities of those institutions have the authority under subsection 266.3(2) of the Education Act to collect, use, disclose or require the production of a person’s Ontario Education Number for purposes related to the provision of educational services.

The Ministry of Training, Colleges and Universities is authorized to collect the OEN for the purposes of the provision of education services, education administration, funding and planning under s. 266.3(3) of the Education Act.

Privacy & Security

The MTCU is committed to protecting privacy in relation to personal information included in the enrolment data collected from each college and university. With regard to the personal information it collects, the Ministry is bound by privacy protection rules under the Freedom of Information and Protection of Privacy Act and takes all necessary steps including depersonalization for use of data for analysis and adoption of physical, technical and administrative safeguards for protection of personal information collected.

Enrolment data included in the PFIS system is accessed only by authorized Ministry officials in order to carry out their administrative responsibilities. Only a restricted number of Ministry officials have access to the personal information in the PFIS data reported by each university or college.

The MTCU retains electronic version(s) of current and historical enrolment and graduation data in accordance with the Government of Ontario’s records retention policy and maintains administrative, technical and physical safeguards in an effort to

protect against unauthorized access, use, modification and disclosure of personal information.

The MTCU stores electronic records off-site as part of its disaster recovery procedures.

For more detail regarding the collection of personal data by the Ministry please refer to the Frequently Asked Question Section of the Ministry's website (<http://www.tcu.gov.on.ca/>).

For further information, please contact:

Director, Postsecondary Finance and
Information Management Branch
Ministry of Training, Colleges and Universities
900 Bay Street, 7th Floor, Toronto ON M7A 1L2
Phone: 416-325-1952
Fax: 416-325-1959

Policy on Notification of Indirect Collection of Enrolment Data reported to Collaborative Partner Organizations

A number of Nipissing University programs are offered on a joint or collaborative basis with partner organizations unrelated to the University. To facilitate the efficient administration of these programs, limited personal information related to course registration can be exchanged with these partner organizations. This information can include names, addresses and other contact information, student identification numbers and basic demographic data to support enrolment reporting for the partner organization. In all cases, the partner organizations are required to follow the provisions of PIPEDA and FIPPA that the University is subject to.

Policy on Student Records

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 reason-able 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.

Harassment and Discrimination Policy

The Board of Governors of Nipissing University endorses the principle that all members of the University community have the right to study and work in an environment free from harassment. The environment can include incidents that occur both on and off campus which have the potential to adversely impact a person's work or academic performance or create a poisoned work or study environment. The Board endeavours at all times to provide an environment which is supportive of the University's goals, dignity and self-esteem of its members, and will not tolerate behaviour that denies individuals their dignity.

Harassment and discrimination of any kind is considered a serious offense, subject to disciplinary action by the appropriate University authority.

The University has established a Harassment and Discrimination Committee for the purpose of resolving complaints under the Harassment and Discrimination Policy (herein after referred to as the Policy).

Definition

Harassment is defined by the Ontario Human Rights Code, as a course of vexatious comment or conduct that is known or ought reasonably to be known to be unwelcome to a person in relation to one of the prohibited grounds contained in the Code. The Board of Governors prohibits harassment and discrimination on the grounds of race, ancestry, place of origin, colour, ethnic origin (including language, dialect or accent), citizenship, creed, sex, sexual orientation, disability, age, record of offences, marital status, family status, and the receipt of public assistance. These prohibitions are based on those specified in the Ontario Human Rights Code.

Harassment and discrimination may be related to any of the grounds prohibited by the Code. It can include comments or conduct by a person in a position of authority which are intimidating, threatening or abusive and may be accompanied by direct or implied threats to the individual's grade(s), status or job.

Harassment can also occur between people of similar authority. For clarity purposes, similar authority would be support staff to support staff, or faculty to faculty, etc. Where a Nipissing University employee is in a personal relationship with an individual such that there is, or may be perceived to be, a conflict of interest or possible favouritism, then that employee will decline or terminate a supervisory or evaluative role with respect to that individual, and when necessary, make appropriate alternative arrangements for the supervision and/or evaluation of that individual. Alternate arrangements may entail advising the employee's appropriate supervisor of the relationship and reasons for conflict of interest. The employee may ask the supervisor to relieve him/her of any related duties of supervision or evaluation of that individual.

For the purposes of this Policy, definitions and examples are as follows:

Harassment: one or a series of vexatious comments or conduct related to one or more of the prohibited grounds that is known or might reasonably be known to be unwelcome/unwanted, offensive, intimidating, hostile or inappropriate.

Examples include gestures, remarks, jokes, taunts, innuendoes, display of offensive materials, offensive graffiti, threats, verbal abuse, hazing, shunning or exclusion related to the prohibited grounds.

Sexual Harassment: one or a series of comments or conduct of a gender-related or sexual nature that is known or might reasonably be known to be unwelcome/unwanted, offensive, intimidating, hostile, or inappropriate.

Examples include gestures, remarks, jokes, slurs, taunts, innuendoes, threats, verbal abuse, unwanted physical contact, invitations, leering, the display of sexually offensive material, solicitation, demands, penalties related to sexual orientation, marital, or family status, unwanted attention, implied or express promise or reward or benefit in return for sexual favours, implied or expressed threat(s) or act(s) of reprisal if sexual favours are not given.

Discrimination: action(s) or behaviour(s) that result in the unfavourable or adverse treatment or preferential treatment which has the effect of creating or perpetuating prejudice or stereotyping.

Examples include refusal to provide goods, services or facilities, exclusion from employment or employment benefits, refusal to work with, teach, or failure to provide physical access.

Negative Environment: one or a series of comments or conduct that creates a negative environment for individuals or groups and are related to the prohibited grounds. The comment or conduct must be of a significant nature or degree and have the effect of “poisoning” the work or study environment. A complainant does not have to be a direct target to be adversely affected by a negative environment. It includes conduct or comment that creates and maintains an offensive, hostile, or intimidating climate for study or work.

Examples include exposure to graffiti, signs, cartoons, remarks, exclusion or adverse treatment related to one or more of the prohibited grounds.

Systemic Harassment/Discrimination: policies, practices, procedures, actions or inactions, that appear neutral, but have an adverse impact associated with one of the prohibited grounds.

An example is exam schedules that conflict with important religious events.

I. Principles

1. All complainants, respondents and witnesses are to be treated fairly. Fairness includes, but is not limited to, the right to reasonable notice, and the opportunity to be heard by impartial and unbiased decision makers.
2. Member(s) of the University community who feel they have been harassed or discriminated against are encouraged, where appropriate, to make a direct request to the harasser or discriminator to stop the offensive behaviour.
3. The complainant is encouraged to keep a written record of the nature of the behaviour, times of its occurrences, and witnesses, if any.
4. Wherever possible, allegations and complaints of harassment or discrimination will be resolved informally or by mediation at the Informal Complaint Level (Section IV). Formal hearings (Section VI) under this Policy will be initiated only after informal resolution or mediation has been offered as an option, or an informal resolution or mediation of the complaint has been attempted and has failed.*
5. Staff and members of the committee who receive information with respect to a complaint will be required to maintain this information in confidence. However, the University reserves the right to disclose information as necessary to ensure the health, safety and security of

members of the University community and in response to any legal orders or directions to disclose.

6. Remedies provided under this Policy are intended:
 - a) to resolve complaints fairly and acceptably to complainants and respondents;
 - b) to recommend appropriate disciplinary measures for individuals who are found to have committed acts of harassment or discrimination; and
 - c) to prevent acts of harassment or discrimination.
7. Complaints of alleged assault or other alleged criminal actions will be referred to the appropriate police services. However, in appropriate cases, proceedings may be taken under this Policy while criminal proceedings are underway.
8. It is understood that this Policy does not prevent any individual from seeking redress under the Ontario Human Rights Code or other legal avenues.

*It being understood that in the case of a student to student complaint, procedures in the Code of Student Rights and Responsibilities shall be followed exhaustively prior to the commencement of proceedings pursuant to this policy.

II. Administrative Procedures

1. Committee Structure:

Chairperson: Human Rights/Human Resources Advisor (permanent)
 Executive Administration (one member)
 Board of Governors (one member)
 Academic Senate Representative (one member)
 Student Union Executive (one member)
 Education Student Representative (one member)
 Professional School Student Representative (one member)
 Arts and Science Student Representative (one member)
 Nipissing University Faculty Association Representative (one member)
 Ontario Public Service Employees' Union Representative (one member)
 Director of Student Development and Success (permanent)

A complaint of harassment or discrimination may be made to any member of the committee. A listing of current committee members is posted in the employee lounge, the Office of Student Development and Success, the Registrar's Office, and beneath all Harassment and Discrimination Policy posters.

2. Bias or Conflict of Interest Guidelines

- a) Prior to considering the merits of a complaint, the Chair shall determine if any member(s) has a bias or conflict of interest in the matter being considered. If the Chair has a bias or conflict of interest, the Committee shall elect another member to act as Chair.
- b) A member of the committee shall be deemed to have a bias or conflict of interest if the member has had any direct involvement in the matter being considered; or the member has been associated with the complainant or respondent such that there would be an actual or reasonably perceived obstacle to objectivity in determining the matter being considered.

- c) The complainant or respondent may specifically identify by name any committee member(s) whom the complainant or respondent believes to have a bias or conflict of interest and shall state the reasons for such belief.
- d) Where a difference of opinion arises on the question of any member's bias or conflict of interest, the matter shall be decided by a simple majority vote of the committee, excepting the member(s) under consideration. The member(s) under consideration shall be absent during the vote.
- e) Where a member declares, or it is determined, that a bias or 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 an alternate chosen by the Chair.

III. Initiating the Complaint

1. A complaint of harassment or discrimination may be made by any member(s) of the University community. In other words, a complaint may be made by or against a member(s) of the University community. Members of the University community include:
 - all employees;
 - all students;
 - members of the Board of Governors;
 - members of standing and Ad Hoc Committees established by the University;
 - members of societies, associations and organizations which have a direct relationship or are under the authority of the University;
 - contractors, individuals providing services or conducting research; and
 - visitors or guests who have no ongoing connection to the University but are on campus.

In the interest of fairness, no action of any kind will be taken, except in unusual circumstances, until a formal written and signed complaint has been made by a complainant.

A formal written and signed complaint must identify the person(s) complained against, and provide a description of the conduct alleged to violate the Policy, including such details as the date(s) the incident(s) occurred, where they occurred, who was present, what happened, and reasons why the complainant feels he/she was harassed or discriminated against. It should also identify any person(s) who may have information relevant to the complaint.

2. A complaint of harassment or discrimination may be made to any member of the committee. The committee member will direct the complainant to the Chair. The complaint should be made as soon as possible after the alleged incident, but must be made within one (1) year of the alleged incident.
3. Following the consultation with the committee member and the Chair, the complainant shall indicate whether he/she elects to: take no further action; or proceed with an attempt to resolve the complaint informally.
4. If the complainant elects to proceed to resolve the complaint informally, the complainant shall make a written statement of the circumstances of the alleged harassment or discrimination and provide written authorization for

the committee member to authorize the Chair to proceed with the informal complaint procedure.

IV. Informal Complaint Procedure

1. Upon receipt of a signed written complaint and authorization, the Chair will, in consultation with the complainant, assemble an Ad Hoc Committee. The Ad Hoc Committee will be composed of the Chair and one (1) other member of the Harassment and Discrimination Committee.
2. The Ad Hoc Committee will meet with the complainant to explain and follow the procedures of the Policy and to investigate the complaint.
3. In order to continue with the Informal Complaint Procedure, the Ad Hoc Committee will meet with the respondent to discuss the allegations and shall forward a copy of the written complaint to the respondent within five (5) working days and request a response within ten (10) working days. A copy of said response will be forwarded to the complainant within five (5) working days of its receipt by the Ad Hoc Committee. The complainant may reply in writing to the respondent's statement within five (5) working days.
4. The Ad Hoc Committee may meet with the complainant and the respondent, either, individually or together, in an attempt to achieve a fair and acceptable resolution. The complainant and respondent may be accompanied by an advisor (which may include external community services representation, e.g., counsellor, lawyer, etc.) at any time during this process.
5. The informal process may result in a mutually acceptable resolution, withdrawal of the complaint or failure to resolve.
6. The Ad Hoc Committee will write a report setting out:
 - a) the background of the case, including the allegations;
 - b) the response;
 - c) the steps taken to resolve the complaint; and
 - d) recommendations.
7. The report shall recommend one of the following:
 - a) that no further action be taken because a resolution has been achieved or the complaint has been withdrawn;
 - b) that a Complaint Panel (three other members of the Harassment and Discrimination Committee) be appointed to hear the complaint; or
 - c) that no further action be taken because the complaint is frivolous, vexatious or without foundation.
8. A copy of the report shall be sent to the complainant and respondent.
9. All documentation pertaining to harassment or discrimination complaints will be kept by the University.

V. Appeal Procedure

1. In the event the Ad Hoc Committee recommends that no further action be taken, the complainant shall have the right to appeal.
2. An appeal shall be sent to the Director Human Resources and Employee Relations, within ten (10) working days of receiving the report of the Ad Hoc Committee, and shall set out all of the facts and arguments on which the complainant bases the appeal to the report.

3. a) The Director Human Resources and Employee Relations shall then appoint a member of the Harassment and Discrimination Committee who has not been involved in the Informal Complaint Procedure to review all of the material considered by the Ad Hoc Committee, as well as any other material that may be filed by either party.
- b) A hearing date, that is mutually convenient for both parties will be set. Reasonable efforts will be made to agree upon a mutually convenient hearing date, but if such an agreement cannot be reached the member appointed in 3(a) above reserves the right to set the hearing date unilaterally.
- c) At the hearing, the parties may appear with an advisor. Each party shall present his or her case to the Harassment and Discrimination Committee member, and have the opportunity to question the other party and witnesses called by the other party.
After the completion of the hearing, the member shall decide:
 - i) to implement the recommendation of the Ad Hoc Committee; or
 - ii) to allow the appeal and request the Chair to convene a hearing panel to hear the complaint according to the rules set down in the Formal Complaint Procedure. Although proceedings under the Formal Complaint Procedure are not governed by the Statutory Powers Procedure Act, procedures shall generally conform to the minimum procedural rules as required by the Statutory Powers Procedure Act.

VI. Formal Complaint Procedure

1. A Complaint Panel shall be appointed by the Chair if:
 - a) the Ad Hoc Committee recommends that it be referred to a Complaint Panel, and this recommendation is not appealed;
 - b) the Ad Hoc Committee recommends that no further action be taken on the matter and this matter is successfully appealed; or
 - c) the complainant elects to proceed through the Formal Complaint Procedure.
2. The Complaint Panel shall receive the original complaint. The panel shall communicate with the parties and consult with them with respect to:
 - a) date for hearing;
 - b) expected length of the hearing;
 - c) names of any witnesses who are expected to be called; and
 - d) the documents which are to be submitted.

The panel will make every effort to convene a hearing under the Formal Complaint Procedure within twenty (20) working days of the receipt of the appeal or recommendation. The panel shall ensure that at least ten (10) working days before the hearing date disclosure takes place between the parties.
3. Either party may be accompanied by an advisor. In the event that one party does not appear at the hearing despite

reasonable notice, the committee may proceed with the hearing in their absence.

4. Upon completion of the hearing, the panel shall, within twenty (20) working days, provide its findings to the parties in writing.
5. The Complaint Panel shall determine whether the act(s) as alleged by the complainant constitute:
 - a) Harassment or discrimination, and if not, the panel shall dismiss the complaint. Documentation will be kept by the University.
 - b) If the panel finds that the respondent's conduct has fallen within the Policy's definition of harassment or discrimination, it then shall recommend to the President that disciplinary and/or remedial action be taken. Where disciplinary or remedial action is recommended, the panel shall forward its reasons together with any necessary documents to the President.
 - c) Disciplinary action may include a reprimand, a suspension, demotion, dismissal, expulsion, or such actions as may be deemed appropriate, and shall be implemented pursuant to the relevant University policies or agreements.
6. There shall be no retaliation or reprisals against any person as a result of their attempts to enforce rights or obligations under this Policy.
7. Members of the committee who have been involved in any attempts to resolve the case are excluded from the Complaint Panel. The Complaint Panel shall consist of three (3) new members of the Harassment and Discrimination Committee.

Academic Policies and Regulations: Attendance, Evaluation, and Discipline and Appeals

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. If an instructor would like to exclude a student from writing a final examination, the Dean and the student must be notified in writing at least two weeks prior to the exam. Students who wish to appeal this decision may appeal to the Dean.

In addition, the following regulations apply to students enrolled in the consecutive education program:

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
Curriculum Studies I (P/J)	13
Curriculum Studies I (J/I)	12
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
Computer Education	2
Management	2
Methods (J/I)	7
Methods (P/J)	8
Methods (I/S)	10
Language Across The Curriculum	2
Curriculum Development and Evaluation	12
Each Elective	7

Policy on Course Waiting Lists

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 a 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 or the respective 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.

Evaluation and Grading System

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, faculty will enter their final grades into the Student Information System (SIS) within five calendar days of the exam or if there is no final exam, within five days of the end of the term. Once the Dean has approved the marks submission, grades will be available for viewing on the SIS. The Dean’s signature of approval 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, 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 of zero will be assigned to those components not completed.

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 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 the recording of a failing grade in the course. Exceptions to these deadlines will be approved only by the Dean (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 Discipline and Appeals section of the Calendar.

Final Examinations

Except where otherwise approved by Senate, final examinations are mandatory in 1000 and 2000 level courses. (Final examinations are not mandatory in creative writing, studio art courses, or other courses so designated by Senate). 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 will be scheduled Monday to Saturday and may be scheduled day or evening regardless of when the class was scheduled. 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.

Final examinations for all courses of three-credits or above will be three hours in length. The length of final examinations for courses that are less than three credits will be determined by the instructor. No student will be required to write more than one Nipissing University exam during the same exam period, or more than three Nipissing University final examinations in any 48 hour period.

Any conflicts must be reported to the Office of the Registrar two weeks after a draft schedule is published.

Exam Policy and Procedures

This document applies to Non Distance Delivery Courses only.

General Rules for Proctoring and Conduct of Final Examinations

Student Policies Governing Final Exams

1. A student shall not be permitted to enter a room in which University examinations are being written if the student arrives more than one hour after the commencement of writing.
2. There shall be no extension of time for candidates who are allowed to sit the examination after arriving late.
3. At 15 minutes before the conclusion of the examination period, the proctor shall announce the time remaining.
4. No student shall be allowed in the examination room during the course of examination except the candidates concerned.
5. Students must place their student ID cards, or another piece of photo identification, on the desk, or be able to establish their identities in a manner satisfactory to the proctor and sign the attendance sheet when presented to them.
6. Each student must submit all required exam materials before leaving the exam room. Candidates must leave the room immediately after handing in their examination materials. Any materials removed from the room will not be accepted for submission.
7. Students shall not be permitted to submit their exam and leave the exam room within the first hours of the scheduled exam.
8. If a student becomes ill or receives word of a domestic emergency during an examination, the student must hand in all exam materials at once to a proctor and request the exam paper be cancelled. In the case of illness, the students must arrange immediately for a medical examination so that a medical certificate is available to support any request for a deferred examination. The candidate may then apply for a special examination in accordance with the published special final examinations procedures.
9. If a student fails to appear for a scheduled examination, the candidate may apply for a special examination in accordance with the special final examinations procedures.
10. All inquiries and requests must be addressed to proctors only and candidates must not leave their seats except when granted permission by the proctor.
11. Candidates must not:
 - a) impersonate another student;
 - b) speak to other candidates or communicate with them under any circumstances whatsoever;
 - c) leave answer papers exposed to view.
The published policy for “Academic Dishonesty” will apply to anyone found cheating.
12. No materials or electronic devices shall be brought to the desk or used at an examination except those authorized by the proctor. Unauthorized materials include, but are not limited to: books, class notes, or aid sheets. Unauthorized electronic devices include, but are not limited to: cellular telephones, laptop computers, programmable calculators, palm pilots or pagers. All electronic devices must be turned off and kept out of view.
13. Students may not bring food or drink into the exam room. Those who must do so for medical reasons must identify himself/herself to the Exam Invigilator.
14. In consideration of those who have allergies, students and proctors shall refrain from wearing fragrances.
15. There are no personal belongings allowed on the desks except those directly required for the exam.
16. Students are discouraged from bringing personal belongings into the exam room. Small belongings may be placed under the seats, but exam supervisors may request that all personal belongings be left along the edges of the room. In either case, the University will assume no responsibility for lost articles.
17. Any student leaving the examination shall do so with the least distraction to the students still working. Students shall not congregate outside the examination room.
18. Instructors shall proctor their own final examinations. If this is not possible, the Instructor shall arrange for an alternate who is familiar with the subject of the examination. Students should not be used as alternates.
19. The Instructor or alternate shall be the proctor for that course and is responsible for the conduct of the examinations and the enforcement of the examination regulations.
20. When multiple exams are held in one room, the Assistant Registrar shall appoint a Chief Supervisor. The Chief Supervisor is responsible for the conduct of examinations and the enforcement of examination regulations.
21. When examinations are scheduled in the gym, the Registrar’s office staff will bring the exams to that location. When examinations are not scheduled in the gym, it is the responsibility of the Proctor to ensure that exams and any booklets may be picked up from the Registrar’s office the day of the exam.
22. The Registrar’s office will be responsible for hiring additional Exam Proctors so that large exams may have more than one proctor and so that supervisors of smaller exams may be relieved for short periods of time.

Emergency Procedures

1. Examination Cancellation Contingency Plan:
 - a) The Assistant Registrar, or designate, will decide in consultation with the Deans, or designate, whether to proceed with or to postpone examinations in the event of extreme weather conditions or any other general emergency which occurs when final examinations are in session. Notification of the postponement of an exam(s) will be posted on the Nipissing University Portal as early as possible and the local media will be contacted.
 - b) If students have seen the examination, the examination should be cancelled and rescheduled. However, any examinations already submitted will normally be graded.
 - c) If the examination has not been started but the delay lasts longer than one hour, it is recommended that the examination be cancelled.
 - d) In anticipation of the need of such action, each examination schedule will be re-staged, if at all possible, prior to the end of the current examination period; in particular, the most likely time is the next Sunday at 1:00 p.m. Students will be notified of the exact date and location through their Nipissing Student email account.
 - e) Faculty will enter their final grades into the Student Information System within five days of the date of the

final exam or, if there is no final exam, within five days of the end of the term.

2. If a Fire Alarm Sounds and the building must be evacuated:
 - a) If the alarm is intermittent, then it is not necessary to leave the building and additional time will be added.
 - b) If the alarm is continuous, then Proctors will announce that “Students must turn over their papers and leave all exam materials on their desk. They are to take any personal belongings at their desk but are not to attempt to get personal belongings from the front of the room and to exit the building immediately. If re-entry to the building is permitted within 30 minutes, then each exam supervisor will decide on a course-by-course basis whether or not to continue their exam. After 30 minutes, students may leave and should check the Nipissing University portal for announcements regarding their exam(s)”.
 - c) Proctors will ensure that everyone exits the building.
 - i) Proctors and students will wait at the entrances for instructions.
 - ii) The Assistant Registrar, or designate, will go to the location of the fire alarm annunciator panel to wait for confirmation from the Police and/or Fire Department that the alarm was false and the building may be re-entered or that the alarm is genuine.
 - iii) If the alarm was false and re-entry is permitted within 30 minutes, the proctors will tell students to either, a) enter the building and exam room(s) to continue the exam or b) the proctors will collect the examinations and students will then be permitted into the exam rooms to collect personal belongings.
 - iv) Those proctoring the exams will inform the Assistant Registrar, or designate, whether the exam is to be re-scheduled or, if 50% or more of the exam time has elapsed, they may elect to prorate the exam rather than schedule a new exam.
3. Power Outage:
 - a) Students must turn over their exam papers and remain in their seats.
 - b) Students will be asked to remain silent.
 - c) The Assistant Registrar, or designate, will contact Security to find out an estimated time for the duration of the blackout. At that time, it will be determined whether or not the exam will continue. If 50% or more of the exam time has elapsed, they may elect to prorate the exam rather than re-schedule a new exam.

Scheduling and Administration

1. Except where otherwise approved by Senate, final examinations are mandatory in 1000 and 2000 level courses. Final examinations are not mandatory in creative writing, studio art courses, or other courses so designated by Senate.
2. Faculty will provide the FASS office (or equivalent in Bracebridge and Brantford) with a copy of their final exam at least five working days in advance of the exam date. FASS will provide the Registrar’s Office with sufficient copies for each exam in advance of the exam day. The cover booklet design is included at the end of the document and different colours will be used on the cover to reduce the chance of students bringing exam booklets with them to the examination.
3. Faculty will enter their final grades into the Student Information System within five days of the date of the final

exam or, if there is no final exam, within five days of the end of the term.

4. Final exams are scheduled by the Registrar’s Office and must take place within the dates published for final exams.
5. Instructors of 3000, 4000 and 5000 level courses may assign final examinations as part of their course assessment strategies.
6. Spring/Summer courses will normally have an extra day scheduled and the final exam will be on the last scheduled day of classes beginning at the same time as the class schedule.
7. In courses with final examinations, the exam must constitute a minimum of 30% and a maximum of 70% of the final grade.
8. 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. If an instructor would like to exclude a student from writing a final examination, the Dean and the student must be notified in writing at least two weeks prior to the exam. Students who wish to appeal this decision may appeal to the Dean.
9. Final examinations for all courses of three credits or above will be three hours in length. The length of final examinations for courses that are less than three credits will be determined by the instructor.
10. No student will be required to write more than one Nipissing University exam during the same exam time period, or more than three Nipissing University final examinations in any 48-hour period.
11. Students are responsible to be at the designated place and time for their exam(s). Misreading the exam schedule will not be accepted as the basis for a special examination.
12. Each term, soon after classes begin, the Faculty offices will provide the Registrar’s office with a summary of which courses require a final examination.
13. Final examinations normally run from Monday to Saturday. Exams may be scheduled day or evening regardless of when the class was scheduled. Make-up exams may be scheduled on Sunday afternoon.
14. Once a draft schedule is published there will be two weeks to notify the Office of the Registrar if any changes are required. For example, if a student has been scheduled to write more than three exams within 48 hours then the draft will be changed to correct this conflict.
15. Past final examinations for courses offered by Nipissing University may be made available to students, on the Web, at the discretion of the faculty member.

Special Final Examinations

1. 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:
 - a) be made in writing to the Dean not later than one week after the date of the examination; and
 - b) be supported, in the case of illness, by a medical certificate or by appropriate documents in other cases.
2. The Dean’s decision on special final examinations is final and may not be appealed to the Student Appeals Committee.
3. There will normally be a fee for a special examination and this fee may be found in the Nipissing University calendar.

Review of Final Examinations

1. Final examinations held during the final exam period are not returned to students but are kept on file by the Office of the Registrar until the deadline for appeals has passed.
2. Students may review their examination papers in the Office of the Registrar. Such reviews require 24 hours advance notification.
3. Students who would like to review the exam paper in the presence of the instructor may do so by making a formal request through the Dean's office. The instructor shall review the examination paper in the presence of the student. Such reviews normally require one week advance notification. In the event that the professor is not available, the Dean will make alternate arrangements.

The closing date to request reviews is two months from the last scheduled examination of the term.

Policy on Religious Accommodation for Students

Nipissing University is committed to respecting the religious beliefs and practices of all members of the university community, and making reasonable accommodations for observances of special significance to adherents.

Efforts will be made by the University to avoid scheduling in-class or formal examinations on days of major special religious significance throughout the year. Students will be informed through the Academic Calendar of procedures for requesting and arranging accommodations based on religious observance. In cases where conflicts do arise, it is the responsibility of the student to notify the University in accordance with the following procedures. Failure to do so may result in the student not being graded for any missed work.

Accommodation Procedures for Students

Final Examinations

Students who, because of religious commitment, cannot write a formally scheduled examination (during the December and April examination periods) on the date scheduled, should contact the office of the Dean of the Faculty no later than three weeks prior to the start of the examination period to initiate arranging an alternative examination date. Students must complete the Examination Accommodation form available on the University website. Students are required to, if requested to do so, present evidence concerning the religious obligations involved. A religious accommodations agreement - final examination form may be downloaded from the website at: www.nipissingu.ca/registrar/downloads/religious%20accom.pdf

Academic Obligations other than Final Examinations

Students who, because of religious commitment, cannot meet specific academic obligations in a course (other than formally scheduled examinations during the December and April examination periods) on certain holy days, are responsible for giving their professor/instructor reasonable notice of each conflict. Such notice shall be given as soon as the conflict is known to the student and no later than 14 calendar days prior to the date of the conflict.

Accommodations may include:

- a) Rescheduling the evaluation that is in conflict, or
- b) Preparing an alternative evaluation for that particular student, or
- c) Recalculating the total evaluation in the course to eliminate the component that has been missed.

When the instructor and student are unable to agree on suitable accommodation, the matter will be referred to the Dean for a decision, who may request that the student present evidence concerning the religious obligations involved. The Dean will convey the decision to the instructor and student. The Dean's decision may be appealed by the student through the Senate Committee on Student Appeals.

Discipline and Appeals

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. Plagiarism should be noted and reported to the Dean. Students should be informed of the University's definition and policy on plagiarism at the beginning of each course.

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.

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; or
- 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 and Institutional Analyst 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 and Institutional Analyst 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. An undergraduate student who is suspended or expelled from the University may appeal that decision to the Senate Subcommittee on Undergraduate Standing and Petitions. A graduate student who is suspended or expelled from the University may appeal that decision to the Graduate Studies Committee of Senate.
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 and Institutional Analyst 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 Appeals and Petitions

Grade Appeals

Definitions:

1. 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.
2. 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 Procedures for Matters other than Academic Dishonesty

1. Any student who feels there are grounds for an appeal 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.
2. In the event that the Dean is not able to mediate a resolution, a formal appeal must be submitted in writing to the Dean specifying:
 3. The grade, decision, conduct, or course requirement being appealed for change;
 - i) the relevant dates on which the grade was assigned, the decision taken, or conduct occurred;
 - ii) full details of the grounds on which the appeal is made, including copies of all relevant documents;
 - iii) the precise redress requested.
4. The Dean will consider the appeal 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 Appeals Committee.

5. If the Appellant wishes to appeal the Dean's decision to the Student Appeals 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

1. 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;
2. 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;
3. The student and the Dean are entitled to at least five calendar days notice of the scheduled meeting(s) of the Committee.

Appeals Procedures for Observation and Practice Teaching within the Schulich School of Education

Appeal Process for Practicum Placements:

1. Not later than 10 business days after official notification of the final grade in Observation and Practice Teaching, students wishing to appeal the mark must submit a formal appeal, in writing, to the Dean, specifying:
 - i) the relevant dates on which the grade was assigned,
 - ii) full details of the grounds on which the appeal is made, including copies of all relevant documents,
 - iii) the precise redress requested.
2. The Dean will consider the appeal and will render a written decision within 20 business days of receipt of the formal written appeal. 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 Dean denies the appeal, the Dean must inform the Appellant of his/her right to appeal the Dean's decision to the Student Appeals Committee.
3. If the Appellant wishes to appeal the Dean's decision to the Student Appeals Committee, such appeal must be launched within 10 business 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 Student Appeals Committee, and must clearly specify those points of the Dean's decision that 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, as the Committee will not consider these new issues.

Notice

1. 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;
2. 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;
3. The student and the Dean are entitled to at least five calendar days notice of the scheduled meeting(s) of the Committee.

Concurrent:

Year 2:

- EDUC 2123 Observation and Practice Teaching II (Primary/Junior)
- EDUC 2013 Observation and Practice Teaching II (Junior/Intermediate)

Year 3:

- EDUC 3123 Observation and Practice Teaching III (Primary/Junior)
- EDUC 3013 Observation and Practice Teaching III (Junior/Intermediate)

Year 4:

- EDUC 4123 Observation and Practice Teaching IV (Primary/Junior)
- EDUC 4013 Observation and Practice Teaching IV (Junior/Intermediate)

Year 5:

- EDUC 4133 Observation and Practice Teaching V (Primary/Junior)
- EDUC 4023 Observation and Practice Teaching V (Junior/Intermediate)

Consecutive:

- EDUC 4684 Observation and Practice Teaching (Primary/Junior)
- EDUC 4694 Observation and Practice Teaching (Junior/Intermediate)
- EDUC 4355 Observation and Practice Teaching (Intermediate/Senior)

Guidelines for the Senate Committee on Student Appeals and Individual Appeals Panels

Student Appeals Committee

Membership

- a) Ex Officio Members:
 - i) the Registrar and Institutional Analyst, who shall be Chair.
- b) Members Elected by Senate:
 - i) one (1) tenured or tenure-track faculty Senator from each Faculty, one of whom shall be elected by the Committee to serve as Vice-Chair;
 - ii) one (1) faculty non-Senator* from each Faculty;
 - iii) one (1) student representative from each Faculty; and

- iv) one (1) graduate student representative.
- * tenured or tenure-track faculty preferred
- c) Terms of Reference:
 - i) to periodically review University policies and procedures regarding student appeals (other than petitions for exceptions to University academic regulations), and to make recommendations to Senate as necessary and appropriate;
 - ii) where it appears that University policies or practices are giving rise to otherwise avoidable student appeals, to draw this to the attention of the appropriate University bodies or individuals for further consideration and possible action;
 - iii) to receive student appeals and convene individual Appeal Panels to provide an impartial adjudication of last resort for students who have exhausted all other prescribed avenues of appeal; and
 - iv) to deal with such other matters as may be assigned from time to time by Senate.

Individual Appeal Panels

- a) Members (to be determined by the Student Appeals Committee):
 - i) three (3) faculty members of the Student Appeals Committee from outside the appellant's Faculty, with the two (2) members who have served longest on the Committee acting as Chair and Vice-Chair;
 - ii) one (1) faculty member of the Student Appeals Committee from the appellant's Faculty, but outside the appellant's program area(s);
 - iii) one (1) student member or graduate student member of the Student Appeals Committee from outside the appellant's Faculty;
 - iv) one (1) student member or graduate student member of the Student Appeals Committee from the appellant's Faculty; and
 - v) the Registrar and Institutional Analyst.
- b) Terms of Reference:
 - i) to consider and rule on a student appeal of:
 - 1) a Dean's decision in response to a request that a grade on a particular piece of work or final standing in a course be changed on grounds related to the accuracy or fairness of the mark assigned;
 - 2) a Dean's decision in response to a request that a grade be adjusted or a course requirement be waived on compassionate grounds or because of extenuating circumstances; or
 - 3) a decision by a course instructor or Dean arising from an allegation of academic dishonesty which results in a grade penalty or other punitive action, including a reference to academic dishonesty on the appellant's academic transcript;
 - ii) to conduct the appeal hearing in accordance with University policies and procedures regarding student appeals;
 - iii) in the case of a grade appeal, to send the appellant's relevant academic work to an external assessor for re-marking, if necessary and appropriate;
 - iv) to determine in each case that the original decision be:
 - 1) fully upheld; or

- 2) partially or fully set aside, with specific details on any redress or accommodations which are being awarded; and
- v) to inform the appellant and the Dean in writing of the Appeal Panel's ruling, including fully and clearly set out grounds for the decision.

* Decisions in (iv) are final and may not be appealed.

Academic Petitions

An academic petition is a request that you be granted an exception to an academic regulation with which all students must comply. A petition will be considered when your circumstance meets each of the following conditions:

1. was beyond your control;
2. could not reasonably have been anticipated or overcome; and
3. has seriously affected your studies.

To initiate an academic petition, students must submit the following forms/information to the Office of the Registrar and Institutional Analyst:

- i) A completed copy of the Academic Petition Form;
- ii) A Personal Letter (typed or clearly handwritten);
- iii) Any relevant supporting documentation (i.e. petitions submitted on medical grounds require an Attending Physician's Statement; those requesting late course registration must include a Late Course Registration Form, etc.).

Please Note:

- Academic petitions are not appropriate for grade appeals, coursework issues within the term, course content concerns or fee refund requests.
- Undergraduate Standing and Petitions Subcommittee decisions are final and may not be appealed.

Guidelines for the Operation of the Undergraduate Standing and Petitions Subcommittee

The Committee shall consist of:

The Registrar and Institutional Analyst (non-voting), who shall be Chair; and

The Dean (*ex-officio*), or designate, of each Faculty.

One Faculty Senator or non-Senator from each Faculty, one of whom shall be elected by the Committee to serve as Vice-Chair;

One student representative from each Faculty.

Terms of Reference

- i) to periodically review the University's policies and criteria with respect to defining and assessing undergraduate academic standing, and make recommendations to the Undergraduate Studies Committee as necessary and appropriate, for conveyance to Senate;
- ii) to consider and rule on petitions by undergraduate students for exceptions to University academic regulations*;
- iii) where it appears that undergraduate degree or program requirements or other academic regulations are giving rise to

- otherwise avoidable student petitions, to draw this to the attention of the Undergraduate Studies Committee or other individuals for further consideration and possible action;
- iv) through the degree audit process, to identify graduating students who are eligible for consideration for major undergraduate academic awards and to forward this information to those charged with making the final selections;
 - v) to deal with such other matters as may be assigned from time to time by the Undergraduate Studies Committee or by Senate; and
 - vi) to rule on the admissibility of candidates who fail to meet normal University admission requirements, but who, in the opinion of the Registrar and Institutional Analyst, deserve special consideration*;

* Decisions in (ii) and (vi) are final and may not be appealed.

Registration Procedures and Regulations

Responsibility for Registration

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

It is strongly recommended that students complete 30 credits at the 1000 level before proceeding to upper-level courses.

No further registrations will be accepted once the limit set for the class size has been reached. Students may place themselves on a waiting list and will be offered a space if one becomes available.

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

The academic timetable for the Fall/Winter and Spring/Summer terms will be available through WebAdvisor in the Spring of each year.

New Students

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

Students in the consecutive BEd program will be sent their registration package in the summer. The Office of the Registrar will register consecutive education students in their required courses. Students will be provided with information to allow them to register in option courses.

Students registering in the Native Classroom Assistant Diploma Program, the Native Special Education Assistant Diploma Program, the Teacher of Anishnaabemwin as a Second Language Diploma Program or the Aboriginal Teacher Certification Diploma Program should contact the Office of the Registrar for application forms. Students in these programs will be provided with information upon registration.

Current Students

All students who were registered at Nipissing in the Fall/Winter Session will receive registration instructions through their Nipissing student-email accounts about the next year's registration cycle. It is each student's responsibility to ensure they complete the registration process and submit payment within the specified deadlines.

Readmitted Students

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

Previous Bachelor of Science in Nursing students who apply for readmission to the same program may be required to repeat previously passed Nipissing courses at the discretion of the Director of Nursing. In this professional program, many courses have time limits and it is essential to ensure that students are connected with current knowledge.

Registration Procedure

Students use WebAdvisor to register in their courses. Students are required to create a conflict-free class timetable. Please refer to the Office of the Registrar webpage at www.nipissingu.ca/departments/admissions-registrar/webadvisor-instructions for student registration instructions.

Prerequisite Course Requirements

Prerequisites are stated in the Academic Calendar course description. Where a prerequisite is stated, it is understood that equivalent courses may be used to satisfy the requirement.

A student who would like to enrol in a course without the stated prerequisite must obtain a written approval from the instructor. If approval is granted, the instructor must inform the Registrar's Office in writing so the student may register. Should the student appear on the class list without the stated prerequisite, the student may be allowed to stay in the course at the discretion of the instructor. On occasion, when the instructor of the course is not readily available to approve a prerequisite exemption, approval may be granted in consultation with the department Chair/Director and/or the Dean.

Corequisite Course Requirements

Students registering in courses, for which a corequisite is listed, must ensure they meet the prerequisite for both courses and register for them simultaneously through WebAdvisor.

Academic Changes and Withdrawals

Program Changes

Students who wish to change their degree program or their major must complete an 'Academic Change Form' and return it to the Office of the Registrar. Forms are available on the Nipissing University website or from the Office of the Registrar. Specific admission requirements must be met.

Credits for practical/activity, clinical and education (EDUC) courses will only count in the degree program in which they were taken. All other courses will normally be credited toward the new degree program.

requirements have to be satisfied before registration is completed. Once a student has registered, he or she is then responsible for assessed fees.

Student Responsibility

It is the student's responsibility to:

1. Notify the Office of the Registrar in writing (or by using WebAdvisor) of any change to his/her registration status: i.e. dropping, adding and/or withdrawing from courses. All charges and outstanding fees accrued to the date of notification will remain due and payable on the student's account. The partial or total reimbursement of tuition fees depends on the official date of withdrawal as registered on the student's file.
2. Familiarize himself or herself with the financial and academic regulations of the University. (Payment of Fees, Schedule of Academic Fees, Refund Policies, Academic Schedule).
3. Regularly view the status of his/her account on WebAdvisor.
4. Monitor his/her Nipissing University email account for all University correspondence.

*Please note that 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. For the most up-to-date information please refer to our website at www.nipissingu.ca/studentfinancialservices.

Payment Methods

Payments can be made through online banking or at any major financial institution (your account number is your seven digit student ID number). For more information, please refer to our website at www.nipissingu.ca/departments/student-financial-services/Student-Payment-Information. Payments are also acceptable by cash, cheque, debit card, bank draft or money order payable to Nipissing University. Credit card payments are not accepted. If paying by debit card, please ensure that the payment you intend to make will not exceed your daily withdrawal limit. For convenience, payments by cheque or money order may be made by using the after-hours drop box located by the exit door at the Finance Office (F216). Students are strongly encouraged to submit their payment through online banking or by mail to avoid line-ups. If payment is submitted by mail, please ensure that your Nipissing University student number is recorded on the front of the cheque. Regardless of the date on the cheque, unless it is received in the Finance Office by the specified due date, the student will be subject to a late payment service charge of \$50.00.

Students who intend to pay their fees with government loans (OSAP) must have applied for assistance and submitted all required supporting documentation to the Financial Aid Office no later than July 15th. If an application for assistance is made after this date, funds may not be available in time for the payment of fees by the deadline. Such students may be required to make their first payment from their own resources. Please note that July 15th is not the final deadline to apply for OSAP funding (See Financial Aid, Scholarships, Bursaries and Awards in index for further information).

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

Instalment Payment Option

Total fees payable are calculated in accordance with the fee schedule posted on the University's website. Students may pay their fees

in two instalments. Students choosing to pay their fees in this manner will be charged an instalment fee of \$40.00.

Sponsorships

Students who will be sponsored must submit a sponsorship letter to the Finance Office in order for the appropriate sponsor to be invoiced. A sponsorship letter must be submitted for each session that the student attends. Sponsorship letters may be submitted by email (finance@nipissingu.ca) or by fax (705-474-5295) to the Finance Office. In order for fees other than tuition (i.e. Residence, Books, etc.) to be charged to the sponsor, the sponsorship letter must specifically mention the fees they intend to pay. The student remains the individual responsible for fees if the sponsor fails to submit payment and/or upon cancellation of the sponsorship.

Outstanding Fees

Students who fail to comply with their first payment requirement will be subject to a late payment service charge of up to \$50.00 per month. Late payment service charges will be levied on outstanding accounts as indicated under the Dates and Deadlines heading of the Financial Services webpage. 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, degree or related evidence of their academic progress until such time as their account is cleared.

Withdrawal and Refunds

Upon registration, 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 can do so on WebAdvisor, in person at the office of the Registrar or by submitting a letter of withdrawal to the attention of the Office of the Registrar. Please contact the Registrar's Office for proper withdrawal procedures and academic drop dates.

Students who officially withdraw prior to the session start date will forfeit their deposit. Students withdrawing from courses after the session start date will be charged the full ancillary fees for the course load they were registered in and a percentage of the tuition based on the refund schedule for their program. Students who wish to replace one course with another of equal credit value (within the allowable dates) must add and drop the courses at the same time to avoid being charged full ancillary fees for the added and dropped course. Refund schedules are posted on the Financial Services website (refer to the Refund/Credit Dates & Deadlines section)

If a credit remains on the account after all fees are paid, a refund cheque will be issued. Refund cheques are processed and mailed to the permanent home address. If a sponsor or external scholarship is used to pay tuition, any refund would be sent to the payee. If the student is an OSAP recipient, the loan entitlement will be reviewed to determine whether the refund is paid to the student or to the Loans Centre.

Returned Cheques

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 \$40.00.

Account Balances

Account balances can be viewed by all students on WebAdvisor. Inquiries concerning account balances should be directed to the

Finance Office. Information regarding payment amounts and due dates can be found on the “Fees and Payments” section of the Student Financial Services website. It is the student’s responsibility to ensure his or her correct fees are paid and received by the due dates to avoid late payment penalties.

Due to privacy laws, the Finance Office staff are not permitted to release any information regarding a student’s account to anyone other than the student. If a parent requires information regarding his or her son or daughter’s account, it is the student’s responsibility to gather the required information. Information regarding payment amounts, due dates and how to pay is available on the website, on the bulletin board across from the Finance Office, or on WebAdvisor. The finance staff can also assist a student in person or by email.

Receipt for Income Tax

Tuition and Education Credit Certificates (T2202A’s) will be available on WebAdvisor at the end of February. Tax receipts are not prepared for residence payments. If you lived in a residence at a designated Ontario university, you may be eligible for the Ontario energy and property tax credit. To apply for the credit, you must complete form 5006-TG ON-BEN included in your federal T1 – General income tax. An official letter/receipt from the University is not required as the student completes the information requested in the declaration for the property tax credit.

Undergraduate Program Fee Calculation

All students should refer to the Fees/Payments section of the website for charges that may apply to them.

The fee calculation table on the website is applicable to Canadian Citizens, Permanent Residents and International Students exempt from Visa requirements. Each 3-credit course is considered a half course and each 6-credit course is considered one full course. Ancillary fees are mandatory and non-refundable after the start of the session. For a detailed breakdown of ancillary fees refer to the ancillary fees section under the Fees/Payments section of the website.

Auditor Fees

The University reserves the right to restrict audit to specific courses. Students granted enrolment as auditors will be responsible for paying an audit fee and the ancillary fees associated with the credit value of the course being audited. The audit fee for a 3-credit course is \$75.00 and \$150.00 for a 6-credit course.

Centre for Flexible Teaching and Learning and Online Courses

Please refer to the Fees/Payments section of the website for payment due dates and tuition amounts. For online courses, total fees are due at the time of registration.

Regional Campus Fee Calculation: Muskoka and Brantford

Muskoka Campus

Please refer to the Fees/Payments section of the website for payment due dates and tuition amounts. The fee calculation table is applicable to Canadian Citizens, Permanent Residents and International Students exempt from Visa requirements. Ancillary fees are mandatory and non-refundable after the start of the session. For a detailed breakdown of the Muskoka Campus ancillary fees refer to the ancillary fees section under the Fees/Payments section of the website. International students registered in Arts and Science Off-campus courses will be charged the international student tuition rate; however, the Muskoka Campus ancillary fees will be applied.

Brantford Campus

Concurrent Education students at the Brantford campus pay all program fees to Wilfrid Laurier University. Wilfrid Laurier reimburses Nipissing University tuition costs for all education courses.

International Student Fees

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 website at www.uhip.ca. Please refer to the International Initiatives Office section of the website (<http://www.nipissingu.ca/departments/international-initiatives-office/info-for-international-students> for further information). A limited number of international student bursaries and work study positions are available to students after their first year of study at Nipissing University. Please contact the Financial Aid Office for further information.

Bachelor of Education Program Fee Calculation

Please refer to the website under the Fees/Payments – Bachelor of Education section for payment due dates and tuition amounts. The fee calculation table is applicable to Canadian Citizens, Permanent Residents and International Students exempt from Visa requirements. International students registered in the Bachelor of Education program will be required to pay UHIP, ancillary fees and the international student fees (please refer to the International Initiatives Office section of the website.)

All students should refer to the Service Fees section on the website for additional charges that may apply to them.

Graduate Studies Fees

The School of Graduate Studies operates on a trimester basis, with three semesters/terms defined as: fall term (September to December); winter term (January to April); and spring/summer term (May to August).

All graduate students must maintain continuous registration in their program of studies (unless they are granted a leave of absence) until their program is complete or until they have reached the time limits for completion of the program. Please refer to the Fees/Payments section of the website for payment due dates and tuition amounts.

Part-time Students

Students enrolled in the part-time graduate program pay on a per course basis. Students that are not enrolled in any course for a term must first acquire approval to do so. Upon approval, the student will be required to register in EDUC 0500 and pay the continuation fee and ancillary fees.

Thesis: Part-time graduate students may pay their thesis course fee in three instalment payments over three semesters. The instalment payment will be equivalent to 1/3 of the thesis tuition and ancillary fees plus an instalment fee of \$40.00. Students continuing to work on their thesis after the 3rd semester and not enrolled in any course must acquire approval for an extension for every applicable term until completion of the thesis. If approved, the student will be required to register in EDUC 0500 and pay the continuation fee and ancillary fees.

Research Paper: Part-time graduate students may pay their research paper course fee in two instalment payments over two semesters. The instalment payment will be equivalent to half the Research Paper tuition and ancillary fees plus an instalment fee of \$40.00.

Students continuing to work on their research papers after the 2nd semester and not enrolled in any course must acquire approval for an extension for every applicable term until completion of the research paper. If approved, the student will be required to register in EDUC 0500 and pay the continuation fee and ancillary fees.

Full-time Students

Students enrolled in the full-time graduate program pay full-time fees on a per term basis. Each instalment payment will be equivalent to 1/3 the tuition fee and per term ancillary fees. The deposit will be deducted from the first term payment. **Note: Tuition for the full-time program is program based (not course based) and thus students must pay for the term, regardless of whether they register in courses.** Students who have not completed the program within the allotted time may apply for an extension, and if granted, will be charged a continuation fee and ancillary fees per term.

Student Information and Resources

Aboriginal Services

As part of the Office of Aboriginal Initiatives (OAI), Aboriginal Services staff facilitates and promote the ongoing access, participation, and achievement in academic excellence of all Aboriginal students (First Nations, Métis and Inuit) at Nipissing University.

OAI works with Nipissing University faculty and staff, as well as First Nation and Métis communities and organizations in a variety of capacities. OAI also provides guidance on academic planning, identification and support for academic strengths, interests and goals, budgeting and funding, personal and social support, assistance applying for scholarships, bursaries and awards, as well as access to career and employment opportunities. OAI provides Aboriginal cultural programming and resources throughout the academic year for all Nipissing University students. This includes an annual Welcome Pow Wow, guest speakers, community outreach and mentorship/leadership opportunities within the OAI and the North Bay and surrounding communities.

The office is located in Room F215 and houses staff, a student lounge with computers and study space as well as access to more academic resources.

The office and lounge are open Monday to Friday 8:30 a.m. to 4:30 p.m. Students may contact Aboriginal Services at (705) 474-3450 extension 4252 or for more information visit www.nipissingu.ca/aboriginal.

Academic Skills Program

The Academic Skills Program provides assistance to students in all programs to help foster and fine tune the skills required for academic success.

Consultations and Tutorials

Students may arrange to meet with an Academic Skills Coordinator to set up a consultation and/or a program of individualized tutorials in any area where they are experiencing academic difficulty.

- **Distance Education and North Bay Campus students:**

The Academic Skills Program Coordinator can assist you in developing the skills to write strong academic papers, create engaging presentations, develop time management techniques and individualized and effective study strategies. Contact the Academic Skills Program Coordinator by calling (705) 474-3450 ext. 4559.

All students are welcome to contact the Academic Skills Coordinator for Math and Science for free, one-on-one help in Math, Physics, Statistics, study skills and so on by contacting (705) 474-3450 ext. 4151.

- **Muskoka Campus students:**

The Academic Skills Program Coordinator can assist you in developing the skills to write strong academic papers, create engaging presentations, be successful in Math, and develop individualized and effective study strategies and time management techniques. Drop by the Career and Academic Skills Centre in Room 227 or call (705) 645-2921 ext. 7209.

Academic Skills Centre

The Academic Skills Centre, staffed by senior students, is open Monday to Friday on a regular schedule providing 'no-appointment, drop-in support'. Academic Skills Centre staff are selected and trained based on demonstrated knowledge and skills in their area of academic study. Diversity of academic interests and programs of study is represented within the expertise of the Academic Skills Centre staff. The Centre operates on a first-come, first-served basis. Hours are posted at the Centre.

Peer Tutoring Program

Students who are experiencing difficulty in a particular course may request the assistance of a peer tutor. A non-refundable contract fee of \$25 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 minimum "B+" average in the course to be tutored. Applicants must also participate in peer tutor training. Peer tutors are paid according to the university's hourly student wage schedule. You may apply online (<http://www.nipissingu.ca/departments/student-development-and-services/peer-tutoring/Pages/default.aspx>) or you may request more information and application forms by visiting the Office of Student Development and Services (B210).

Alumni Association

Your Nipissing University Alumni Association (NUAA) is an integral part of your University community. The NUAA will welcome you as "alumni on campus" once you have completed three full courses at Nipissing University. When you graduate from Nipissing University you automatically become a lifetime member, at no charge, of the Nipissing University Alumni Association. The collective experience of the NUAA helps to shape operations of the University and the achievements of the NUAA are one of the criteria by which the University is valued.

The NUAA is guided by the Alumni Advisory Board comprised primarily of Nipissing University alumni with student and community representation. The NUAA strives to achieve its mandate through its main objectives:

- supporting and advancing the cause of the University by strengthening its standards and reputation for academic excellence through dedication and financial generosity;

- promoting interest and understanding of the Association's objectives among undergraduates of the University;
- encouraging and promoting a sense of collegiality and unity among members and providing an opportunity to continue associations enjoyed as students.

These objectives are achieved by various social and fundraising events; as well as programs and services endorsed by the Office of External Relations and Advancement and in conjunction with the Alumni Advisory Board. The Office of External Relations and Advancement also circulates the official Alumni magazine, the Nipissing University Review.

There are many opportunities for alumni to be actively involved with Nipissing University. As alumni, you have the experience that can best promote the ideals and values of your University to the community. Graduation, therefore, represents the continuation of a strong and valuable relationship with Nipissing University.

In order to remain a vital part of the University community, the NUAA is always seeking support and involvement. For further information, please contact the Alumni Relations Officer at (705) 474-3450 ext. 4573, or by email at alumni@nipissingu.ca.

Centre for Flexible Teaching and Learning

The Centre for Flexible Teaching and Learning is Nipissing University's teaching and learning centre. Working as a team, the Academic Director, Manager of Teaching and Learning, Manager of Learning Systems and Support, Instructional Designers, Learning Systems Technologists, and Flexible Learning Clerks are responsible for:

- facilitating activities geared to conversations about teaching and providing assistance in the development of particular skills related to teaching, learning, and educational technologies;
- working collaboratively with faculty and staff towards educational innovations in face to face, blended, and online settings;
- providing support for use of the University's learning management system;
- working collaboratively with the Schulich School of Education in the administration of the Schulich Fellowship Program;
- organizing new faculty orientation;
- supporting faculty in their scholarship work in teaching and learning;
- providing, on a case by case basis, support for special educational projects at Nipissing University and in the community.

Student Accessibility Services

Student Accessibility Services provides academic accommodation and support to students with permanent disabilities and/or temporary medical or health conditions in accordance with the Ontario Human Rights Code. These services are intended to provide disability-related support to these students during their learning while maintaining the academic integrity of their program of study and their future degrees.

Students with disabilities requiring academic support are encouraged to contact Student Accessibility Services as early as possible, before the term of study begins, to arrange for these supports. Current documentation of the disability from a registered health care professional is required and will be held in confidence by our office.

Upon receipt of documentation and confirmation that a student requires disability-related educational support or accommodations,

a Learning Strategist consults with the student to develop an Individual Accommodation Plan. The plan is based upon the documentation that is provided and is unique to the individual, but may include supports such as test and exam accommodation, note taking support, or alternate format reading materials, and others. We provide a wide range of supports that have been proven to be effective in the post-secondary learning environment for students with learning disabilities including:

ADHD, Acquired Brain Injury, Blind/Vision, Chronic Medical, Deaf/Hearing, Learning Disability, Mental Health and Physical/Mobility.

In addition, we host a one-week orientation program each August which provides incoming students with the skills and knowledge they can use to get their university studies off to a strong start.

Student Accessibility Services also works closely with our Student Counselling Services and Academic Skills Program to provide our students with a comprehensive range of personal, academic and emotional supports.

During the academic year the office hours are Monday to Friday 8:30 a.m. to 4:30 p.m. For further information, please call (705) 474-3450, extension 4362 or email us at sas@nipissingu.ca or visit our website at www.nipissingu.ca/sas.

Student Counselling Services

Personal Counselling

Individual counselling is available upon request in all areas of personal and emotional development, such as crisis intervention, coping with stress and anxiety, family and interpersonal relationships, problem solving and decision-making, and student advocacy. E-counselling (email) is available to students who meet the eligibility criteria. Referral to specialized services in the community may be made upon completion of a thorough assessment by a triage counsellor. Counsellors are available during the academic year Monday to Friday 8:30 a.m. to 4:30 p.m. within the Office of Student Development and Services (B210) at no cost to students who are registered in current courses.

Confidentiality of Counselling Services

All members of our counselling staff are certified with their professional college and adhere to prescribed standards of practice. The staff in Student Counselling Services are committed to the success of all students at Nipissing University. All requests for student counselling are confidential. Information shared in counselling will not be disclosed to anyone outside the Student Counselling Services team or their immediate supervisors without the student's expressed permission.

Counsellors are permitted to disclose 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 at the first counselling session.

For more information or an appointment, please call (705) 474-3450, extension 4362.

Health Plan

All students, part-time or full-time, are included in a health insurance plan which includes benefits such as: prescription drugs, coverage for health services such as physiotherapy and massage therapy (with physician referral), dental accident expense

reimbursement, and benefits for accidental death and dismemberment (plan details may change and will be made available prior to enrolling). Students have the option to add on family and dependents. Student cards act as claim cards at pharmacies in most locations in North Bay, or manual claims can be made by submitting claim forms, available in the NUSU Office. Health plan information booklets can be picked up in the NUSU office, online, or by calling toll free at 1-800-315-1108.

Library

In the Harris Learning Library (College Drive Campus), you will find individual and group study spaces, and a Learning Commons with 45 iMac computers.

Your student card is your library card. Use it for printing, photocopying, and borrowing materials. A wealth of resources are also available at www.eclibrary.ca, including E-Resources, journals and magazines, and diverse types of scholarly literature.

Staff will help you find what you want and show you how to locate journals, newspapers and E-Resources. Need something the Library doesn't have in its collection? Request it for free through RACER, the online interlibrary loan service. Forgot your laptop? You can borrow one to use while you work in the library. Find out more about what the library has to offer by talking to the staff at the Information Desk or email us at info@eclibrary.ca.

Muskoka, Brantford and Distance Education students may also receive library services from staff at the Harris Learning Library by contacting distance@eclibrary.ca.

Follow us on Twitter @Library4NUCC

International Initiatives

There are a variety of international learning opportunities for students including; international internships, practica placements, volunteer programs, study tours, research opportunities, summer programs, study exchanges and conferences. These learning experiences expand the mind and horizons of our students by allowing them to develop self-confidence, independence, global perspectives and intercultural skills, which are all valuable competencies in today's employment market.

Exchange Programs

Studying abroad via an exchange program is a relatively easy way to include an international experience in your Nipissing degree. While on exchange, all credit courses successfully completed are transferable to your Nipissing University transcript. Tuition fees and ancillary fees are typically paid to Nipissing University, rather than at the host institution, which makes it affordable. Students remain eligible for OSAP and are encouraged to apply for scholarships and bursaries. Students are responsible for their own accommodation, food, travel, visas and miscellaneous expenses while abroad. Students must prepare for study exchanges one year in advance of departure, but we recommend they start their research right away during first year! The deadline to apply is December 1st each year.

Partner Institutions (exchange programs):

Australia – Australian Catholic University
 Barbados – University of West Indies
 China – Guangxi University
 China – Ontario/Jiangsu Exchange Program (OJS)
 Finland – Humanities Polytechnic (HUMAK)

Finland – Karelia University of Applied Sciences
 France – Rouen Business School
 France – EDHEC Business School
 France – Ontario/Rhône-Alpes Exchange Program (ORA)
 Germany – Fachhochschule Osnabrück
 Germany – Ontario/Baden-Württemberg Exchange Program (OBW)
 Germany – Pädagogische Hochschule Freiburg
 India – Ontario-Maharashtra-Goa Exchange Program (OMG)
 Ireland – University of Limerick
 Italy – LAquila University
 Japan – Kansai Gaidai University
 Kenya – Moi University
 México – Instituto Tecnológico y de Estudios Superiores de Monterrey, Campus Tampico
 México – Universidad del Mayab
 Netherlands – Rotterdam University of Applied Sciences
 Norway – University of Stavanger
 South Africa – University of KwaZulu-Natal
 South Korea – Sungkyunkwan University
 Sweden – Linnaeus University
 Sweden – Linköping University
 United Kingdom – Birmingham City University
 United Kingdom – Sunderland University
 United States – Mansfield University

Students for a Better World (World University Service of Canada – WUSC)

Interested in learning about global issues, international development, social equity, justice and peace? Want to contribute in making the world a better place? Join Students for a Better World – WUSC and learn what global citizenship is all about. As a member you have many opportunities to make a difference in your own community and abroad. Programming highlights include the WUSC International Summer Internship, the International Food Fest, the Student Refugee Program, and much more.

Global Connections

The best way to prepare for your international sojourn is to meet students who have already studied abroad as well as the international students studying at Nipissing University. Join Global Connections and develop friendships, intercultural competencies, and your understanding of diverse people, places and cultures. This network of globally-minded students collaborates with the International Initiatives Office to organize activities, events, and information sessions to welcome and integrate new international students. While helping others as an international student mentor, Nipissing students are learning and preparing themselves to venture abroad.

International Student Mentorship Program (ISMP)

Interested in meeting students from around the world? Eager to help international students adjust to life at Nipissing University and Canada? Join the International Student Mentorship Program. Through ISMP we are able to showcase Canadian culture through planned events, excursions. We are able to connect our

international and domestic students by providing opportunities to gain a better understanding of various cultures and traditions. For more information or to sign up, email ismp@nipissingu.ca.

Contact Us

Don't miss out! Get involved and start planning your international sojourn right away during your first year at Nipissing University. For more information and/or to sign-up for any of the opportunities listed above, contact the Education Abroad Coordinator at (705) 474-3450 ext. 4321 or email nuglobal@nipissingu.ca. Students in the Schulich School of Education must contact the Practice Teaching Office at (705) 474-3450 ext. 4354. Make sure to visit the International Resource Centre in B210 to review the posters, information binders, activity lists, information session schedule, and much more, or visit www.nipissingu.ca/international.

Off-Campus Living

There is a variety of housing available in the City of North Bay. The Off-Campus Living Service offers housing rental lists, maps of the city, bus schedules and resources to assist you in finding suitable accommodation. For information, call (705) 474-3450, ext. 4242, email offcampusliving@nipissingu.ca or visit the website at www.offcampusrez.on.ca.

Office of the Registrar

The Office of the Registrar provides academic services and systems for prospective and current students – from initial contact, to application and admission, through course registration, academic advising, and graduation. We are your source for a wide range of academic services and information and are responsible for maintaining the integrity of your official academic record. The Office of the Registrar strives to recruit the best possible students into the University and to support the University's educational mission by providing high-quality services to the entire University community: students, professors, administrators, graduates and the general public. We strive to provide the most current, up-to-date information and are here to assist you through all phases of your enrolment at the University.

The **Office of the Registrar** is comprised of several units: Academic Advising, Admissions, and Records & Registration. For general inquiries, we can be contacted at:

Phone: 705-474-3450 ext. 4521

Fax: 705-495-1772

registrar@nipissingu.ca

The **Academic Advising Office** is available to students who require advice on academic matters or assistance planning and interpreting academic policies. They are available for appointments year-round and also offer drop-in appointments every-week.

Phone: 705-474-3450 ext. 4358

advising@nipissingu.ca

The **Admissions Office** receives and evaluates applications to all academic programs, answers applicants' questions and facilitates student admission to the University.

Phone: 705-474-3450 ext. 4761

admiss@nipissingu.ca

The **Records and Registration Office** provides information to students, faculty, and the general public and offers a wide range of services (official transcripts, information on course and program requirements, enrolment verification letters, course registration, course and exam timetables, room bookings, graduation, etc.).

Phone: 705-474-3450 ext. 4760

registrar@nipissingu.ca

transcripts@nipissingu.ca

exams@nipissingu.ca

Career Services

All students and graduates are invited to take full advantage of our services. Visit our website at www.nipissingu.ca/careerservices for news, resources, web links, and information regarding our Fairs.

Click on Employment on our web page to view job postings. Throughout the year, job postings are listed for alumni, off-campus, on-campus, summer, teaching and volunteer positions.

Information sessions, workshops, employment fairs, and employment interviews from recruiters are also scheduled throughout the year.

• North Bay and Distance Education Students:

Individual help is available for resumé writing, job search, interview techniques, portfolio preparation and school-to-work transition.

The Career and Transitions Services Office, located in the Office of Student Development and Services, is open during the academic year from 8:30 a.m. to 4:30 p.m. To schedule an appointment, call (705) 474-3450 ext. 4459.

• Muskoka Campus Students:

A qualified career counsellor can clarify your direction, offer insider industry information, and provide tailored feedback on resumes and job search techniques. Learn more about volunteer opportunities, employment prospects and what you can do to be competitive in today's job market. Drop by the Career and Academic Skills Centre in Room 227 for an appointment or call (705) 645-2921 ext. 7219.

Career Transitions

Career Transitions provides career advising and extra-curricular activities for all Nipissing University students and graduates to prepare them for the world of work. Designed as a comprehensive, centralized resource area, Career Transitions provides students in all faculties with the following services:

Career Advising:

- Customized Career consultations that help you clarify your career choices
- Career inventories to help you identify personal interests, and strengths
- Personalized resume and cover letter critiques
- Self-marketing tool development
- Interview preparation and practice
- Labour market information and business directories
- Web links to career exploration sites, occupational information and job banks
- Drop-In Centre for occupational research, resume development and job search

For more information and/or to book an appointment for career advising, call (705) 474-3450 ext. 4241, email career@nipissingu.ca or visit www.nipissingu.ca/career.

Record of Student Development and Work Experience Programs

- Facilitate pre-employment preparation workshops and individual appointments to help students create realistic school-to-work transition plans
- Generate quality extra-curricular work/learning experience opportunities for students (published in a Student Involvement Guidebook)
- Better prepare students' understanding of the workplace by coordinating informational interviews with employers
- Coordinate an extra-curricular record that verifies and certifies student's development of employability skills outside the classroom setting
- Schedule events, guest speakers and networking opportunities to connect students with employers, online and on-campus.

Additional information about the Record of Student Development Program can be found at www.nipissingu.ca/rsd.

Residence

On our North Bay Campus, students have four great choices when it comes to living in residence. They can choose to live in one of the three suite-style complexes or they can choose to live in the townhouse style complex. The suites accommodate four students each, while the townhouses accommodate six students.

In addition to the options of living in a suite style residence or in a townhouse style residence we also offer four Living Learning Communities, one at each of the complexes. The four Living Learning Communities are: Balance, LEAD, Mosaic and Connect. This program offers students a chance to live together with people who are interested in the same things, ideas, beliefs, and lifestyle. By grouping students with similar interests together we will be able to tailor educational and entertaining activities that will enhance your learning experience at Nipissing. For more information please visit the residence website.

At our Muskoka Campus in Bracebridge, students have the opportunity to live in an apartment style complex with suites that accommodate two or four students each.

All units at both campuses are either all male or all female. Students in each unit share common living room, kitchen and washroom facilities. Laundry facilities and a recreation/common area are located in each of the residence complexes.

Each residence has a full-time Residence Life Supervisor who works closely with a dedicated team of senior students known as Residence Dons and Community Advisors. Our Residence Staff is committed to creating a community built on mutual respect, learning and growth. Team members are trained to assist students with any problems that may arise. They offer support to residents and are on-site to lend a hand with anything from roommate issues to emergencies. The Residence Staff also plan educational, social, cultural and athletic events throughout the year with the interests of the residents in mind.

Students are encouraged to participate in the social and educational programs that are put out by our residence staff and our Residents' Council. If you enjoy helping out, there are many great opportunities to get involved – from participating in Residents' Council, to playing a game of pick-up road hockey to volunteering on a committee. You don't want to miss out on the experience.

For more information please contact the Residence and Conference Services Department at (705) 474-3450 ext. 2500 or visit www.nipissingu.ca/residence.

Transition Programs

The adjustment to university, the challenges throughout, and preparation for the workforce are circumstances that all students face.

To assist your adjustment to university studies, Transition Programs can help you through the New Student Orientation (NSO) and the Learning Network.

Through NSO, we will help you identify the resources and services that can assist your transition into university-level studies and what actions you can take to adjust to the university environment.

The Learning Network

The Learning Network is a series of programs and services dedicated to supporting a student's university transition. All programs are focused on finding the best possible ways to ensure a student's continued participation in undergraduate studies. Using a mentoring approach, the Network offers advice and information into some of the best practices for university success in either individual partnerships and/or group venues (i.e., workshops).

The student2student program (Peer Mentorship Program)

The student2student program is about students helping students. Through a series of innovative programs and services, Nipissing's students have taken the initiative to find dynamic ways to help other students achieve the level of success that they have at Nipissing University.

From Student Success Workshops, peer mentoring drop-in hours, an E-newsletter, and an openness to meet and respond to students in many different ways (Facebook, e-mails, etc.), the student-2student program is committed to exchanging and sharing best practices to alleviate SELF risks (Social stressors, Lack of Energy, Lack of Knowledge, and Fear) with a TIMS strategy (Time management, Initiative, Motivation, and Self-discipline).

Follow them on Twitter @studnt2studnt and sign up for our e-newsletter to get student-certified strategies for success!

The Scholar's Collegiate program (The Scholar's Agreement)

The Scholar's Collegiate, especially for at-risk students, is a motivational program that helps a student define and realize a specific goal for their continued pursuit of university studies.

All participants in this program will have regular and arranged contact with a personalized Success Coach. The role of the Success Coach is to use the IDEA formula to: help Identify factors affecting persistence; Determine a specific goal to address this need; have the student Explore best practices for success by connecting them to a network of community resources, and finally motivating the student at all time, to take Action so that they realize this goal in a 4-6 month time frame.

For additional information visit www.nipissingu.ca/mentor/.

Transition Programs help you to prepare for the school-to-work transition. In combination with Career Services and Academic Services, Transition Programs helps prepare your entry into the world of work by ensuring that you have the right tools,

understanding, and resources before and after you graduate. Therefore, at any time in your undergraduate degree, you can schedule a career consultation to discuss your job opportunities, receive a professional critique of your résumé and cover letter, and advice about your interview skills. Also, look out for our Career Mentoring Certificate program, offered in the Winter Term.

Lastly, as part of the extra-curricular programming at Nipissing University, Transition Programs coordinates the Nipissing University Extra-Curricular transcript, the Record of Student Development. You can discuss and plan your Record at any time with the Transition Coordinator.

For more information on Transition Programs please visit our website at: www.nipissingu.ca/mentor.

Women's Centre

All students are welcome to use and enjoy the Women's Centre, located in Room A244a. The Centre is active throughout the academic year planning events and activities to raise awareness of gender equality issues on campus and throughout the community. The Women's Centre includes a resource library of books, journals, CDs and DVDs that students can sign out. As well, the Women's Centre magazine is published twice per semester featuring student submissions of artwork, poetry and writing. Students are encouraged to become involved as Women's Centre volunteers and members. For more information, visit: www.nipissingu.ca/womenscentre.

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, and social. For the most part, they are co-ordinated by the Nipissing University Student Union (NUSU) with some assistance from interested students, faculty and staff. A number of other cultural and recreational facilities in the community are open to students at the University.

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 Internal.

Some current clubs are as follows: NUSU Creative Writing Club, NUSU Geography Club, Nipissing University Habitat for Humanity, NUSU/CSRC Students on Stage, NUSU Biology Society, NUSU Nursing Society, Nipissing and Canadore Dance Club, NUSU/CSRC Best Buddies and many more. NUSU may also fund new clubs if you wish to start one!

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. NUSU's official publication is called *The Spotlight Magazine* (only online at spotlightmag.ca) and new writers are always welcome. The Student Centre website, www.studentc.com, is a great forum for events, information, networking, buying and selling textbooks, and much more!

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 welcoming 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 various special events such as, but not limited to, concerts, off-campus outings, formals, celebrations, pubs at the Wall, and of course, Frosh Week. Certainly, there is something for everyone!

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.

Nipissing's varsity teams are called the "Lakers." The men and women participate in soccer, volleyball, cross-country running, Nordic skiing, and hockey. The aim is to provide an equal sporting opportunity to everyone and to encourage maximum participation in all events.

The intramural program includes a Nipissing hockey league, slo-pitch tournament, volleyball league, flag football tournament, ultimate Frisbee tournament, dodge ball tournament, indoor soccer league and tournament, and basketball league and tournament. These programs are particularly popular and well attended.

Nipissing University recognizes the importance of health and wellness for learners of all ages and strives to promote life-long physical and health literacy to combat increasingly sedentary lifestyle choices of our youth and address the many rising health concerns of our communities.

Since achieving degree granting status in 1992, Nipissing has experienced remarkable growth with new programs and student enrolment increasing exponentially over the past 10 years.

The 51,000 square foot R.J. Surtees Athletics Centre houses 3 full size gymnasiums, two squash courts, a cardio room, weight room, fitness studios, and change rooms. Students have access to the latest in weights and fitness equipment, such as treadmills, life cycles, cross trainers, and free weights.

The Director of Athletics works with Nipissing University Student Coordinators to organize all sports programs 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 20 km of natural trails and 5 km of cross-country ski trails. The environment provides students with a unique opportunity for outdoor recreation, right on campus. Snow-shoes are also available to rent for those outdoor enthusiasts.

For more information, visit the Athletics website at www.nulakers.ca.

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, at both the North Bay and Muskoka Campus, belong to the Student Union and fund the organization through their ancillary fees, payable at registration.

As part of its ongoing commitment to academic excellence and social growth, NUSU deals with many aspects of student life on campus, including the academic governance of the university and the social events. 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. Students also participate in Shinerama, a national student fundraising event on behalf of Cystic Fibrosis Canada. NUSU also puts on live concerts, trips to out of town events, panel discussions, regular social activities and so much more. NUSU, together with the Canadore Students Representative Council (CSRC) sponsors and organizes a Food Bank on campus for any student in need.

NUSU currently is in a period of growth and transition, looking for new ways to represent Nipissing students, including increased communication, transparency and accountability. The NUSU Board and committees are composed of representatives from positions based on the many different constituencies from within Nipissing University. NUSU's political business is conducted by the Board of Directors, which meets throughout the academic year with NUSU's By-laws and meeting minutes available to all of its members. Currently, the four executive positions are elected each winter semester (President, Vice-President External, Vice-President Internal, and Vice-President Student Life) with upwards of 11 academic and other representatives being elected early in the fall semester. Some of the represented constituencies include: Humanities, Science, Social Science, Muskoka Campus, Schulich School of Education, Concurrent Education, Graduate Studies, Residence, Applied and Professional Studies, Physical and Health Education, and Aboriginal Students.

Nipissing students have seven representative votes on the Academic Senate. Three votes are given to NUSU Executives, while the four remaining votes are given to elected Student Senators, one from each of the three faculties and one representing Graduate Studies. NUSU Executives also have two voting positions on the Board of Governors. NUSU's offices are located in the Student Centre. Services provided in the central office include: photocopies, faxes, event ticket sales, health insurance information, International Student Identity Cards, Student Centre Convenience Card, courier service, students' rights information and general information about the work of the Student Union.

You can contact the Nipissing University Student Union at:

(705) 474-3461, ext. 4440 (Central Office)

ext. 4489 (President)

ext. 4303 (Vice-President External)

ext. 4409 (Vice-President Internal)

ext. 4302 (Vice-President Student Life)

The fax number is (705) 474-7732. The President can be reached via email at: president@nusu.com.

Government Financial Assistance

Ontario Student Assistance Program (OSAP)

Full-Time Students

Students enrolling in at least 60% of a full course load (or 40% if you are a student with a disability) 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 May for the following academic year.

Students wishing to use OSAP funding to pay for tuition (and residence, if applicable) must complete the online OSAP application and submit the required supporting documentation to the Student Awards and Financial Aid Office by July 15 to ensure that funding is issued in time for the start of classes. Please note that the deadline to apply without penalty for OSAP is actually 45 days subsequent to the start of the study period (around mid-October).

OSAP applicants are automatically considered for Student Access Guarantee funding and the 30% Off Ontario Tuition Grant.

Further information and applications can be found on the OSAP website at <http://osap.gov.on.ca>.

Part-time Students

Part-time students with demonstrated financial need may qualify for limited loan and/or grant funding. To be eligible, you must meet the requirements for a part-time Canada Student Loan and you must have a gross (family) income below specified government guidelines.

Further information and an online application can be found on the OSAP website at <http://osap.gov.on.ca>.

NUWork Work Study Program

Nipissing University offers a Work Study program that enables needy students to work part-time on campus. Applications may be printed from the forms section of our website www.nipissingu.ca/studentfinancialservices. Notification of eligibility is sent to Nipissing University email accounts. 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 on the Student Employment Services and Transitional Programs Office website www.nipissingu.ca/placement or in the Student Development and Success Office (A201).

International Work Study Program

The International Work-Study program provides part-time, on-campus employment to international students who can prove financial need.

International Work-Study is not intended to provide emergency funding; it is to act as a supplement to a student’s finances and to provide valuable on-campus employment which is allowed via Citizenship & Immigration Canada (CIC). Applications may be obtained from the International Students Office.

Scholarships

Guaranteed Entrance Scholarships for Secondary School Applicants*

Candidates must apply for admission to Nipissing University by May 1 for scholarship consideration and they must graduate from high school in the same calendar year in which they are entering Nipissing University. Applicants for admission are automatically considered for entrance scholarships based on their best six 4U/4M final grades as of June 30. It is not necessary to apply for these scholarships.

Current high school applicants from other Canadian provinces are also eligible for scholarship consideration.

Applicants for admission to the first year of an undergraduate program who are applying directly from the first year of a CEGEP program qualify for Guaranteed Entrance Scholarships. The scholarship average for CEGEP applicants will be calculated on the final grades of their six best courses (excluding courses in Physical Education).

To qualify for the President’s scholarships, students must be Canadian citizens or Permanent Residents of Canada. For scholarship eligibility information for international students, please visit our website.

In addition to our Guaranteed Entrance Scholarships, Nipissing University offers a number of awards for which an application is required. The required application(s) may be printed from the Nipissing University website www.nipissingu.ca/studentfinancialservices or may be obtained by contacting the Student Awards and Financial Aid Office. The deadline for these applications is May 1. You do not need to have an offer of admission to apply for these awards.

**Note: Students who have studied at another post-secondary institution, for any duration, are not eligible to be considered for our guaranteed entrance scholarships.*

Scholarship	Criteria	Value
President’s Scholarship (Renewable for up to 3 additional years at \$3,000 each year if an 85% average is maintained on 30 credits in the fall/winter academic session)**	90% +	tuition

Note:

- Students who lose their scholarship because they fail to meet the criteria for renewal may regain their President’s scholarship if they meet the criteria for renewal in the year immediately following the loss of their scholarship.

Carl Sanders Scholarship (Renewable for up to 3 additional years at \$750 if an 85% average is maintained or at \$500 if an 80% average is maintained)**	85-89%	\$2,250
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Carl Sanders Scholarship (Renewable for up to 3 additional years at \$750 if an 85% average is maintained or at \$500 if an 80% average is maintained)**	80-84%	\$1,250
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***Nipissing’s President’s and Carl Sanders Scholarships are “renewable”. If you maintain the minimum required average and are registered in the minimum course load as stipulated in the terms of the scholarship, you will continue to receive your scholarship for each of the three or four years that you attend Nipissing University in an undergraduate program other than Consecutive Education. The conditions that apply will be included with the scholarship offer. For students enrolled in the Concurrent Education program, you must complete at least 30 credits in the previous fall/winter term, with a minimum of 27 credits in non-education courses, to be considered for upper year scholarships and renewable scholarships. The scholarship average used to determine eligibility will be based on the non-education course grades only (Arts, Science, and Professional program credit courses not beginning with “EDUC”) taken at Nipissing University during the previous fall/winter session. **Students in the Concurrent program who hold the President’s scholarship can hold it for a total maximum of four years;** students will be considered for the Carl Sanders Scholarship in the fifth year of their studies.*

Awards Available to Upper Year and Schulich School of Education Students

Detailed and up to date information on the scholarships, bursaries, and awards available to upper year students in Arts and Science, Applied and Professional Studies or the Schulich School of Education may be found at our website: www.nipissingu.ca/studentfinancialservices. Students are considered automatically for scholarships based solely on academic achievement. For the majority of our bursaries and awards, which take into consideration financial need, extracurricular involvement and other factors, students need only complete one application form. It is available online on Web Advisor October 1 and is due November 1. These funds are paid in early January.

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 may be obtained by contacting the Student Awards and Financial Aid Office or by visiting the Nipissing University website at www.nipissingu.ca/studentfinancialservices. 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 Undergraduate Services and Awards Committee.

Code of Student Rights and Responsibilities

Statement of Discipline and Student Conduct

Nipissing University does not stand “in loco parentis” to its student members, that is, it has no general responsibility for the moral and social behaviour of its students. However, the University recognizes the need for guidelines, regulations and standards of acceptable behaviour which must be based on a sense of responsibility to the University in its broadest sense and to the members of the surrounding community. The University requires that students conduct themselves in accordance with the laws of the country, province, city, and the policies of the University. Dishonesty, willful misconduct, fraud and failure to respect the rights of others cannot be tolerated in a community which is dedicated to the development of responsible individuals.

The University reserves the right to terminate, at any time, its relationship with any student whose disruptive* behaviour is deemed to be detrimental to the purposes and goals of the University. All students should be familiar with the regulations printed in the University Calendar as well as specific policies published from time to time.

**Definition: Disruptive behaviour applies to behaviour that persistently or grossly interferes with academic and administrative activities or reputation of the University.*

Preamble of Student Rights

At Nipissing University, students are free to think, speak, write, create, study, learn, pursue social, cultural and other interests, and freely associate together for all these purposes, subject to the requirement that they respect the rights of members of the University and general community to pursue these same freedoms and privileges. In order to secure these rights, the University will use its best efforts to ensure the following:

- a) that those who wish to teach and those who wish to learn can do so under proper conditions;
- b) that academic and general facilities are available to those who wish to use them for their normal purposes;
- c) that freedom of movement and freedom from harassment are protected;
- d) that all property, including records, documents, and the like is protected.
- e) that those who wish to file a complaint have the right to do so without fear of reprisal

Authority and Jurisdiction of Academic and Non-Academic Policies

By registering at the University, a student agrees to be bound by all of its rules and regulations, both academic and non-academic.

This Code of Student Rights and Responsibilities policy is intended to be applied to any student whose behaviour is deemed to be detrimental to the purpose and goals of the University provided that such behaviour:

- a) has not been dealt with as a failure to meet standards of professional conduct as required by the faculty;

- b) is not assigned to another jurisdiction, as in the case of Policy on Academic Dishonesty or the Policy on Personal Harassment and Discrimination; or
- c) occurs on the premises of Nipissing University or elsewhere in the course of activities sponsored by the University.

Standards of Student Responsibilities

All Students are expected:

- a) to abide by all Federal, Provincial and Municipal laws;
- b) to refrain from conduct which harms or threatens harm to
 - the proper functioning of University programs or activities both on and off campus which include but may not be limited to teaching, studying, research, administration, student events, meetings and other services;
 - the rights of members or guests of the University;
 - the safety and well-being of members or guests of the University and surrounding community;
 - the property of the University or of its members or guests.
- c) to refrain from
 - assaults or threats of assault;
 - harassment or discrimination in contravention of the principles articulated in the policies of the University, the Ontario Human Rights Code or the Canadian Charter of Rights and Freedoms;
 - theft, defacement or destruction of property;
 - unauthorized entry or trespass.
- d) to abide by the regulations, rules, practices and procedures of the University and academic and administrative units;
- e) to abide by reasonable instructions given orally or in writing by any official of the University authorized to secure compliance with regulations, rules, practices and procedures provided that the official is identified and is acting in an official capacity.

Discipline Procedures

- a) Minor breaches of the Code will normally be dealt with in the department where it occurs, however, where warranted, the officer where the incident occurs will notify the Director, Student Development and Services if satisfactory resolution cannot be achieved or if the nature of the infraction is such that it is a serious breach of the standards as set out above;
- b) Any person may submit a complaint of misconduct to the Director, Student Development and Services;
- c) The Director, Student Development and Services shall conduct an investigation to determine if the complaint has merit and/or if it can be disposed of informally by mutual consent of the parties involved on a basis acceptable to the Director, Student Development and Services.

If an informal disposition of the complaint results, it shall be final with no subsequent proceedings;

- d) When an informal resolution fails or is not deemed appropriate by the Director, Student Development and Services, then the Director, Student Development and Services shall inform the student in writing of the nature of the complaint and possible sanctions. The student will be given 15 working days to meet with the Director, Student Development and Services, present evidence and discuss the matter.

The Appellant, the Director, Student Development and Services and the Student Discipline Appeal Committee each has the right to invite a person, excluding legal representation,

to assist in the process in a supportive, advisory, and/or advocacy capacity. Such persons may be present at all meetings of the Committee after the informal stage;

- e) If the Director, Student Development and Services finds there has been misconduct he/she may impose an appropriate sanction or sanctions.
- f) If the student does not meet with the Director, Student Development and Services after 15 working days, the Director, Student Development and Services may proceed to dispose of the complaint without such a meeting;
- g) The decision of the Director, Student Development and Services shall be communicated in writing to the student. If there is misconduct, a copy of the decision will be retained in the office of the Director, Student Development and Services and a copy of the final report will be forwarded to the appropriate officers on a “need to know basis”;
- h) The University, through its appropriate officers, may discipline students through any one or a combination of the following, which will be applied according to the severity of the offence: (see item i)
 - i) Informal warning: An oral statement to a person, or group, indicating their actions to be unacceptable, which may also be confirmed in writing.
 - ii) Formal warning: A written notice to the individual or individuals stating the nature of the breach of policy, and the expected corrective actions to be taken. A formal warning will only be given after discussion among all parties affected by the breach of policy and the appropriate administrative officer.
 - iii) An order for restitution: Reimbursement to the University or individual for damages to equipment, materials or property, or reimbursement for replacement costs of same.
 - iv) Discipline probationary period: Defined time during which a repeated incident will be grounds for the imposition of another penalty.
 - v) Suspension or expulsion from a faculty, facility or particular course by the Director, Student Development and Services may be imposed when it has been determined that the offense committed is of a serious enough nature that continued registration threatens the function of the University. Before suspension or expulsion from a faculty, the Director, Student Development and Services shall give the student notice of the allegations and an opportunity to respond to them.

Notwithstanding the above sanctions, the University may also in appropriate cases seek legal redress.

Transcript Notations

- a) The symbol WDR (withdraw), will be entered in the grade column in the student’s academic Transcript and Grade Report for the courses in which the student is required to withdraw (for non-academic offences).
- b) The notation “suspended” or “expelled” from the “Faculty or University” for “non-academic offences” will be entered on the student’s academic Transcript and Grade Report upon receipt of such notice from the Director, Student Development and Services.
- c) The record of a student will be cleared of the notation “suspended” or “expelled” from the “Faculty or University” upon re-admission to, and successful completion of, a degree

program. The F grades and the symbols WDR will remain as such.

A student may appeal that the notation “expelled” be expunged from the transcript through a direct appeal to the President of the University after a minimum of five years from the date of expulsion.

Appeals

Students may, within 15 working days, appeal orders requiring withdrawal from a course, for restitution, probation, or suspension from a facility for non-academic reasons, in writing to the Student Discipline Appeal Committee, via the Director, Student Development and Services, on the following grounds:

- a) To determine the decision was conducted fairly in light of new information or other relevant facts not known at the time of the original decision;
- b) To determine that the decision was based on substantial information and that the code of Student Rights and Responsibilities was violated;
- c) To determine whether the sanctions imposed were appropriate.

At the same time, students may request in writing, through the Director, Student Development and Services, that the Student Discipline Appeal Committee stay the decision pending a request for appeal.

The Student Discipline Appeal Committee will, within 15 working days, render a decision to grant an appeal and whether or not to stay the sanction.

The Student Discipline Appeal Committee will render a decision on the appeal within 30 working days of reviewing the written appeal and that decision is final.

Student Discipline Appeal Committee

- a) Composition
 - Student representatives elected by NUSU (2)
 - One graduate student elected by his/her peers
 - Dean (alternating – 1)
 - Faculty representative (2) elected by NUFA
 - 4 voting members for a quorum
 - A Chair will be elected from within the group annually
- b) Mandate
 - i) To review cases of disciplinary action against any students who feel that they have been unfairly sanctioned and to render a final decision either for or against the sanction.
 - ii) To impose appropriate sanctions on students who are in violation of the Code of Student Rights and Responsibilities.
- c) The Student Discipline Appeal Committee will meet as required.
- d) Conflict of Interest
 - i) Prior to consideration of an appeal, the Committee shall determine if any member has a conflict of interest in the matter being appealed;
 - ii) 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;

- iii) 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 to the Chair;
- iv) 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. The member under consideration shall be absent from the vote;
- v) 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 an alternate chosen by the Committee.

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 Director, Student Development and Services, 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;

All minutes, notes, and other documents, including a copy of the Committee decision, shall be kept on file in the office of the Director, Student Development and Services for six months and then destroyed.

Undergraduate and Professional Studies

Regulations and Information

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Programs of Study (page 91)

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- Biology
- Business
- Chemistry
- Classical Studies
- Computer Science (includes Concurrent)
- Criminal Justice
- Economics
- English Studies (includes Concurrent)
- Environmental Biology and Technology
- Film
- Fine Arts
- French
- Gender Equality and Social Justice
- Geography (includes Environment and Physical Geography, Environmental Geography, and Concurrent)
- History (includes Concurrent)
- Mathematics (includes Concurrent)
- Native Studies
- Nursing

- Philosophy
- Physical and Health Education
- Political Science
- Psychology (includes Concurrent)
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- Science and Technology
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- Sociology
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Diploma Programs: Aboriginal Education (Summer Session Programs) (page 107)

- Aboriginal Teacher Certification Program
- Native Classroom Assistant Diploma Program
- Native Special Education Assistant Diploma Program
- Teacher of Anishnaabemwin as a Second Language

Undergraduate and Professional Studies

Regulations and Information

General Information

Academic Advising

Undergraduate students who wish to plan their programs or who need advice on any academic matter should consult an Academic Advisor. This may include, but is not limited to: planning for degree programs, choosing courses, clarifying academic procedures or regulations, determining academic standing, experiencing academic difficulty, utilizing college advanced standing or university transfer credits, requesting a course overload, obtaining a letter of permission to take courses from another university (on-campus or through distance education), planning around extended medical absences, planning program/courses for an international exchange, planning for graduate or professional programs, planning for a second degree, waiving of program requirements/academic regulations through academic appeal/petition.

Academic Advisors are available year-round. Appointments may be made through the Academic Advising Office (A207), by contacting our secretary at (705) 474-3461, extension 4358, or through our website at www.nipissingu.ca/advising. Drop-in hours are available during the fall/winter sessions and residence advising is also available at certain times of the year. Academic Advisors are also available monthly at the Muskoka campus and in the Office of Aboriginal Initiatives. Please check with our office for details.

Students in the consecutive education program who need advice on any academic matter should consult with the Office of the Dean of Education.

Students in the Native Classroom Assistant Diploma Program, the Native Special Education Assistant Program, the Teacher of Anishnaabemwin as a Second Language Program, or the Aboriginal Teacher Certification Program should consult with the course principal for academic advice.

Please note that students in all programs are also encouraged to consult with faculty members concerning course selections, particularly as it relates to planning for graduate studies.

Students are responsible for ensuring that the courses in which they register meet the degree requirements of their programs.

Biidaaban Community Service-Learning Program

Community Service-Learning (CSL) is an educational approach combining theory taught in the classroom with real-world experience in the community. Students in a course offering community service-learning placements volunteer for a set number of hours in projects and activities in a variety of community organizations across North Bay and area. The placement and related course assignments are applied to course credit and are designed to give students an opportunity to explore connections between theory and practice, and to gain practical field experience. It is also an opportunity to further develop a sense of social responsibility and leadership skills. Literacy and numeracy for Aboriginal youth is a

specialized focus of the community service-learning program and some placements of the program are assigned in related settings.

For more information, including a list of current courses offering a Community Service-Learning option, please visit our website at www.nipissingu.ca/servicelearning.

Certificates

Nipissing offers the following certificates*:

- **Certificate in Aboriginal Leadership:** Available to any graduating student who has otherwise met the requirements for the certificate. Please consult the Aboriginal Leadership Certificate section for details.
- **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.
- **Certificate in Digital Humanities:** Available to any graduating student who has otherwise met the requirements for the certificate. Please consult the Digital Humanities section for details.
- **Certificate in Environmental Management and Certificate in Geomatics:** These certificates are available to students in an honours program in Geography, Environmental Geography, and Environmental Science and Physical Geography. Please consult the Geography program section for details.
- **Certificate in Financial Services:** Available to students in the Bachelor of Commerce program. Please consult the BComm section for details.
- **Certificate in Game Design and Development:** Available to students completing a Computer Science or Mathematics program. Please consult the Computer Science or Mathematics program section for details.
- **Certificate in Health Studies and Gerontology:** Available to any graduating student who has otherwise met the requirements for the certificate. Please consult the Sociology program section for details.
- **The iLEAD Business Experience Certificate:** Available to students in a BBA or BComm degree. Please consult the Bachelor of Business Administration program section for details.
- **Certificate in Neuroscience:** Available to students in a BSc (Honours) with either an Honours Specialization in Biology

*Please note that all certificates are awarded at the time of graduation.

or Psychology. Please consult Biology or Psychology section for details.

Changes to Program or Courses

Please refer to the Registration Procedures and Regulations section (See Academic Changes and Withdrawals).

Students in the Consecutive Education program must enrol in the program in its entirety. Changes are only permitted to option courses.

Class Hours

The number of hours per course is normally shown under the course description in the Calendar. Total class hours may vary between courses, but will total at least 72 hours per six-credit course and at least 36 hours per three-credit course. The number of hours and class meetings scheduled per week varies by term and by course.

Teacher of Anishnaabemwin as a Second Language Program/ Aboriginal Teacher Certification Program

- a) Summer session – courses are offered over a six week period from the beginning of July to mid-August – classes are held on a daily basis usually between 8:30 – 4:30

Native Classroom Assistant Diploma Program/ Native Special Education Assistant Diploma Program

- a) Summer session – courses are offered over a four week period throughout the month of July – classes are held on a daily basis usually between 8:30 – 4:30

Course Loads/Overloads

The following regulations apply to all students with the exception of students in the Concurrent program (BA/BEEd or BSc/BEEd) who will be allowed the maximum loads as described in their program requirements:

Full-time Students

- a) Full-time students will normally be allowed to register in a maximum of 30 credits in the Fall/Winter Session, with the exception of students in the BA/BEEd or BSc/BEEd who will be allowed the maximum loads as described in their program requirements;
- b) Students enrolled in the consecutive education program can register in the education option courses in addition to their required program of studies for an additional fee;
- c) Full-time students are limited to 54 credits in any three consecutive sessions;
- d) Full-time students with excellent academic records (“B+” or better) may, with the permission of an Academic Advisor, 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 and no failing grades in the previous Spring/Summer Session;
- e) Under no circumstances will a student be allowed more than a three-credit per term overload;
- f) First-year students may not take an overload;
- g) 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 an Academic Advisor, take a maximum three-credit overload during each term of the Fall/Winter Session and provided they have no failing grades in the previous 30 credits;
- 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 enrolled in the Native Classroom Assistant Diploma Program, the Native Special Education Assistant Diploma Program, the Teacher of Anishnaabemwin as a Second Language Program, or the Aboriginal Teacher Certification Program are not permitted to enrol in course overloads during the summer sessions.

Students who register for spring and summer courses will be limited to a maximum of 24 credits per Spring/Summer Term.

Students on probation or on a restricted course load may only register in a maximum 12 credits over the Spring/Summer Term.

Exchange Programs

Policy for Exchange Students

1. Exchanges are normally open to students during the second or third year of their program. Students in their graduating year will be considered on an individual basis.
2. Preference will be given to students whose average is 75% or higher. However, students whose average is 70-74% may be considered for an exchange.
3. Nipissing will grant a full complement of 30 credits for a full-time year (or 15 credits for one full-time semester) in an exchange program.
4. Nipissing will approve the student’s application for graduation when after returning, the student completes all possible discipline specific requirements in the time required to complete the total number of credits for that degree.
5. Students who are accepted for an exchange program and have qualified for a scholarship will receive the scholarship during the exchange year as if they were studying on campus. Students who earn scholarships and awards at Nipissing University and choose to study abroad remain eligible for such awards upon their return to Nipissing, provided they are successful.

Please contact the International Initiatives office for further information regarding the procedure for exchanges.

Further information on Exchange programs can be found in the Student Information and Resource section.

Individualized Study Courses

Policy on Individualized Study Courses

1. In order to be eligible to take any individualized study course, undergraduate students must be entering (or already registered in) the third or fourth year of a four-year program. In

addition, the desired course(s) must be in the student's declared program(s) of study. 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.

At Nipissing University, individualized study courses may be directed studies and research (thesis) courses or practicum/ placement courses.

The following is a list of the directed studies and research (thesis) courses:

- a) ADMN 4335, ADMN 4336, BIOL 4986, BIOL 4995, CHFS 4105, CLAS 3505, CLAS 4495, COSC 4896, COSC 4897, CRJS 4105, CRJS 4305, CULT 4105, DIGI 4006, ECON 4005, ENGL 4695, ENGL 4795, GEND 4005, GEOG 4986, GEOG 4995, HIST 4015, HIST 4055, MATH 4496, MATH 4497, PHED 4986, PHED 4995, PHIL 4105, POLI 4105, PSYC 3916, PSYC 3917, PYSC 4105, RLCT 4005, SOCI 4006, SOCI 4007, SOCI 4096, SOCI 4097, SWLF 4005, TMGT 4417

Practicum/ placement courses:

- b) ADMN 3337, ADMN 4337, COSC 3997, COSC 4997, CRJS 4346, LEAD 3147, STEC 3997, STEC 4997

The following courses may also have special approval processes. Please check with the respective departments.

- c) ACMT 4005, ADMN 3096, ADMN 3146, ADMN 3336, ADMN 4146, ADMN 4155, ADMN 4165, ANTR 3976, BIOL 4886, BIOL 4887, BIOL 4976, BIOL 4997, ENGL 3516, ENGL 3517, FAVA 4125, GEOG 4976, GEOG 4977

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 an Academic Advisor before registering at the other university.

Students enrolled in the Consecutive Education Program are not permitted to take courses from another University for credit towards their Bachelor of Education program.

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 to four 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 to Non-Degree Studies (See Letter of Permission Applicants).

Limitations on Courses

Number of Attempts to Complete a Course

Faculty of Applied and Professional Studies and Faculty of Arts and Science

Students may only make two attempts to complete a course. When a second attempt on a course is made, the higher grade obtained of the two attempts will be used in the calculation of averages. If a student fails the course on a second attempt after first passing, then the credits obtained on the first attempt will be kept. A student may attempt a course for a third time, only with departmental approval.

Education:

Students will be allowed to make only one attempt in the following:

- a) EDUC 0106 required in the Orientation to Teaching option;
- b) Observation and Practice Teaching V required in the Concurrent programs;
- c) All courses in the Education program.

Number of Credits in a Single Discipline

a) Three-year (General)

The maximum number of credits a student may take in a single discipline towards a degree is 54 credits.

b) Three-year (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 (Four-year and Honours), Bachelor of Science (Four-year and Honours), Bachelor of Business Administration

The maximum number of credits a student may take in a single discipline towards a degree is 84 credits.

d) Bachelor of Fine Arts

The maximum number of credits a student may take in fine arts towards a Bachelor of Fine Arts is 90 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.

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 and Bachelor of Commerce is 42 credits. (Except in the Child and Family Studies program where the maximum is 48 credits at the first year level.) The maximum number of first year level courses in Bachelor of Arts (Liberal), Bachelor of Business Administration and Bachelor of Science is 48 credits.

Minors

Students have the option of including a Minor in specific areas as part of their degree. Completing a Minor within a degree allows students to study a subject that academically complements or is completely separate from their program of study. A Minor consists of 18 credits as designated by the relevant discipline.

Successful completion of a Minor will be recorded on Nipissing's official transcript. It is the student's responsibility to apply for a Minor at the time they apply to graduate. A student cannot become eligible for a Nipissing Minor after graduation. Please note that if a Minor requirement is already being used to satisfy a program requirement, additional courses in the Minor must be taken to meet the required 18 credits for the Minor; for example, if a Criminal Justice program and a Sociology Minor both require SOCI 1016, a student may use this course to satisfy both the program and Minor, however, they must present 18 additional credits in SOCI to satisfy the SOCI minor requirement. Please refer to the appropriate discipline for specific minor requirements.

Minors are currently available in Biology, Business (Business Administration, Human Resources, Marketing, and Corporate Responsibility), Chemistry, Child and Family Studies, Classical Studies, Computer Science, Economics, English Studies, Film,

Fine Arts (Studio/Art History and Visual Studies), French, Gender Equality and Social Justice, Geography, History, Mathematics, Native Studies, Philosophy, Political Science, Psychology, Religions and Cultures, Social Welfare and Social Development, Sociology, and Spanish.

Please note that minors offered are subject to course availability.

Restrictions:

- No more than six credits at the 1000 level can count towards a minor.
- Must be in a discipline other than the student's program of study.

Grade Requirements: In order to declare a Minor upon graduation, students must successfully complete the required courses for the minor with a minimum overall average of 60%.

Residency Requirements: To be considered for a Nipissing University degree with a Minor, students must successfully complete at least nine credits of the minor at Nipissing.

Note:

- Minors and Teaching subjects may have different requirements. Please refer to the Admission Requirements for the Bachelor of Education for teaching subject requirements.

Residency Requirements

To be considered for a Nipissing University undergraduate degree, students must successfully complete at least 30 Nipissing University credits.

In addition, students must successfully complete at least half (50%) of the required courses for each declared area of study with Nipissing University, with the following exceptions:

- A student who applies for the BScN-IUON stream must successfully complete their final year at Nipissing University;
- A student who applies for a Bachelor of Commerce degree must successfully complete 30 Nipissing Business credits.

Students who apply to graduate with Minor must successfully complete at least half (50%) of each Minor with Nipissing.

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 academic 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.

Spring and Summer Courses

Spring/Summer Term

Spring Courses are offered over a period of 6 weeks beginning in early May.

Summer courses are offered over a period of 6 weeks, normally beginning in late June.

Spring/Summer courses are offered over a period of 13 weeks (with a one-week break at the midpoint of the term) beginning in early May.

Six credit courses are normally scheduled four days per week for 3 hours per day.

Three credit courses are normally scheduled two days per week for 3 hours per day. Some 3-credit courses are also offered in a condensed format (i.e. 4 days/week over 3 weeks).

Course offerings and course schedules vary from year-to-year. Details are normally available by early March of each year and students are encouraged to consult WebAdvisor for the most up-to-date information.

Academic Regulations

1. Students in good academic standing are restricted to a maximum of 24 credits over the Spring/Summer Term.
2. Students on probation are restricted to a maximum of 18 credits over the Spring/Summer Term.

Statistics Course Equivalences

A student in a degree program cannot retain credit for more than nine credits of introductory statistics courses. Students will normally take the course offered by the discipline in which they are registered. The introductory statistics courses are: ADMN 1606, ADMN 2606, CHFS 3026, ECON 2126, GEOG 2026, MATH 1257, MATH 2076, PSYC 2126, and SOCI 2127.

Either PSYC 2126/PSYC 2127 (formerly PSYC 2125) or SOCI 2126/2127 (formerly SOCI 3126/3127) will be accepted for degree requirements for PSYC/SOCI combined programs.

Students who transfer from Psychology to Sociology or vice-versa will be required to meet the statistics and methodology requirements as follows:

Students transferring from Psychology to Sociology after having completed PSYC 2126 and PSYC 2127 are recommended to take SOCI 2126. If they have taken PSYC 2126 only, they will be required to take both SOCI 2126 and SOCI 2127. Students transferring from Sociology to Psychology after having completed SOCI 2126 and SOCI 2127, will not be required to take either PSYC 2126 or PSYC 2127. If they have completed SOCI 2126 only, they will be required to take both PSYC 2126 and PSYC 2127. 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 courses.

The Degree Framework

Please note that any reference made to a course indicates a three-credit course.

Degree Framework Combination Chart

Approved Degree Outcome Combinations M=Mandatory A=Available Options

Degree Type	Total Credits	Standard years of study	Honours Specialization	Specialization	Major 1	Major 2	Minor 1	Minor 2
Bachelor (Honours)	120	4 years	M (60 cr.)					
			M (60 cr.)		A (36 cr.)			
			M (60 cr.)				A (18 cr.)	
					M (39 cr.)	M (39 cr.)		
Bachelor (Four-year)	120	4 years		M (54 cr.)				
				M (54 cr.)	A (36 cr.)			
				M (54 cr.)			A (18 cr.)	
					M (36 cr.)	M (36 cr.)		
					M (36 cr.)			
					M (36 cr.)		A (18 cr.)	
					M (36 cr.)		A (18 cr.)	A (18 cr.)
Bachelor (Three-year General)	90	3 years			M (36 cr.)			
					M (36 cr.)		A (18 cr.)	
Bachelor (Three-year Liberal)	90	3 years					M (18 cr.)	M (18 cr.)

Students must choose one of the following degree options:

A) The Honours Bachelor Degree – 120 credits

Complete one of the following:

- Honours Specialization – Students must complete 60 credits (20 courses), with a minimum Honours Specialization average of 70% and an overall average of 60%. Students must include at least six credits at the 4000 level.
- Honours Double Major – Students must complete 36 credits (12 courses) in each of two majors, with a minimum Honours Double Major average of 70% and an overall average of 60%. Students must include at least three credits at the 4000 level in each major, in addition to the required 36 credits.

B) The Bachelor Degree – 120 credits

Complete one of the following:

- Specialization – Students must complete 54 credits (18 courses) with a minimum overall Specialization average of 60% and an overall minimum average of 60%.
- Double Major – Students must complete 36 credits (12 courses) in each of two majors, with a minimum major average of 60% in each major and an overall average of 60%.
- Major Program – Students must complete 36 credits (12 courses), with a minimum major average of 60% and an overall average of 60%.

C) The Bachelor Degree (General) – 90 credits

Complete one of the following:

- Major Program – Students must complete 36 credits (12 courses) with a minimum major average of 60% and an overall minimum average of 60%.
- Double Minor (Liberal) – Students must complete two minors at 18 credits each (6 courses), with a minimum Minor average of 60% in each minor and an overall average of 60%.

Program Combination Notes:

- Programs in the same discipline may not be combined; for example, an Honours Specialization in History may not be combined with a Major in History or a Minor in History.
- A course may only count for credit towards one program; for example, in a four-year Double Major in Sociology and Social Welfare and Social Development, SOCI 1016 is a required course for both majors. Although a student may use this course to satisfy the requirement in both programs, they must still present a total of 36 credits in each major.
- The following programs are currently offered as Bachelor of Science (BSc):
 - Biology; Computer Science; Environmental Biology and Technology; Environment and Physical Geography; Mathematics; and Psychology.
- The following programs are currently offered as Bachelor of Arts (BA) or a Bachelor of Science (BSc):
 - Computer Science; Mathematics; and Psychology.
- Minors may not be in the same discipline as the student's program of study. Minors are subject to course availability.

Faculty of Arts and Science Exceptions

The following program is not yet in the new degree framework and is currently under review: Environmental Biology and Technology. This program can be found in its respective area of the Calendar; and students in this program are encouraged to consult the Academic Calendar online for program updates.

Professional Programs

Professional Programs in Business, Criminal Justice, Education, Fine Arts (BFA only), Physical Health and Education, and Nursing, are found in their respective areas of the Calendar and currently are not in the new degree framework.

Program Options Chart

Bachelor of Arts (BA) and Bachelor of Science (BSc)

Subjects	Honours Specialization	Specialization	Major	Minor*	Elective
Academic Writing					X
Anthropology				X	X
Arts and Culture	X	X	X		X
Arts and Cultural Management**			X		
Astronomy					X
Biology	X	X	X	X	X
Chemistry				X	X
Classical Studies	X	X	X	X	X
Computer Science	X	X	X	X	X
Digital Humanities (Certificate)					X
Economics			X	X	X
English Studies	X	X	X	X	X
Environmental Geography / Environment and Physical Geography	X	X	X		
Environmental Science					X
Film				X	X
Fine Arts		X (Studio)	X (Studio/ Art History and Visual Studies)	X (Studio/ Art History and Visual Studies)	X
French				X	X
Gender Equality and Social Justice	X	X	X	X	X
General Science					X
Geography	X	X	X	X	X
Geology					X
History	X	X	X	X	X
Mathematics	X	X	X	X	X
Native Studies			X	X	X
Philosophy	X	X	X	X	X
Physics					X
Political Science	X	X	X	X	X
Psychology	X	X	X	X	X
Religions and Cultures	X	X	X	X	X
Russian					X
Social Welfare and Social Development	X	X	X	X	X
Sociology	X	X	X	X	X
Spanish				X	X
University Success					X

* Minors are subject to course availability.

** The Major in Arts and Cultural Management must be combined with an Arts and Culture program option.

Academic Standing and Progression

Please note that the term ‘program’ in this document refers to a specified grouping of courses within areas of disciplinary or interdisciplinary study (for example: Specialization in Biology) that must be completed as a partial requirement necessary to fulfill a degree.

1.0 Assessment

Academic Standing involves the assessment of a student’s eligibility to progress at the University and/or to enter or remain in a program. The following assessment will be implemented beginning September 2012.

Normally, a student’s Academic Standing is determined after a minimum of 18 credits have been attempted, at the end of the Fall/Winter (May) and Spring/Summer (August) semesters.

Note:

- Students, registered for a Session, whose eligibility to continue in their program of study has not been determined prior to the start of that session should understand that should they be found ineligible to continue in that program, they will be permitted to complete any such course(s). Credit will be retained for such courses completed successfully. However these grades will not alter the determination of a student’s ineligibility for registration for future sessions in that program.

1.1 Average Calculations

For each student, a program average and a cumulative average will be calculated, and this average will be used to assess a student’s eligibility to proceed.

- Program averages will be based on the calculation of all attempted and completed credits used to fulfill program requirements.
- Cumulative averages will be based on the calculation of all attempted and completed credits.
- Average calculations include failed grades. All final grades below 50% are considered failures. Final grades below 40% will be included in average calculations as 40%. Final grades from 40-49% will be included in average calculations as the actual grades assigned. All final grades will be recorded on official transcripts as assigned.
- Averages are rounded up for progression purposes (i.e. a 64.5% will be rounded up to 65%).

1.2 Credit Attempt

A course is considered to have been attempted when a final grade has been assigned to it. A course from which a student has honourably withdrawn is not considered an attempt.

Students are permitted a maximum of two attempts at a particular course, except in the following cases, where students will only be allowed to make one attempt:

- EDUC 0106 required in the Orientation to Teaching option
- Observation and Practice Teaching V required in the Concurrent programs (BA/BEd and BSc/BEd)

- Students enrolled in the Consecutive Education program

If a course is attempted twice, the higher grade obtained will be used in the calculation of the cumulative average. A student must receive departmental approval to attempt any course for a third time.

2.0 Good Academic Standing

Students will be considered in good academic standing if they have a cumulative average of 60%.

3.0 Academic Progression

3.1 Bachelor Degree (Three year)

BA, BSc, BCOMM, Liberal

In order to progress in a program and to graduate from the degree, students must achieve a minimum cumulative average of 60% and a 60% in their program(s) of study.

3.2 Bachelor Degree (Four year)

BA, BSc, BBA, BPHE, BScN

In order to progress in a program and to graduate from the degree, students must achieve a minimum cumulative average of 60% and a 60% in their program(s) of study.

3.3 Honours Bachelor Degree

BA, BSc, BBA, BFA, BPHE, BScN

In order to graduate from the degree, students must achieve a minimum cumulative average of 60% and a 70 % in their program(s) of study. Students may not progress into the fourth year of an honours degree if they do not have a 70% average in their honours program.

3.4 BA/BEd(Concurrent), BSc/BEd (Concurrent)

BA/BEd (Concurrent) and BSc/BEd(Concurrent) students must achieve a minimum 67% average (Undergraduate and Education grades combined) and a Pass in the Observation and Practice Teaching course to proceed to Year 2. To proceed to Years 3, 4 and 5 of the program, students must achieve a 70% cumulative average, as well as a Pass in the Observation and Practice Teaching course.

3.5 BEd (Consecutive)

The BEd Consecutive program is offered as a one year program and must be completed in its entirety. Credit is not retained for passed courses in a failed year in the Consecutive Bachelor of Education Program.

4.0 Academic Probation

- Students will be placed on probation if at least 18 credits have been attempted and the student’s cumulative average is between 55%-59%.
- Students placed on probation will be eligible to register in a maximum of 24 credits in the following fall/winter term (four courses per term), and 9 credits in each of the spring and summer terms. Students placed on probation may be required to follow a comprehensive Academic Success Plan including mandatory academic advising, transition activities and study skills workshops.

- c) Students admitted to the University on probation will be assessed once a minimum of 18 credits have been attempted and:
- i. If their cumulative average is 60% or greater, admission probation status will be removed and standing will be assessed as outlined above;
 - ii. If their cumulative average is between 55% and 59%, they will be allowed continue on probation (maximum of 18 credits) and will be reassessed once a total of 30 credits have been attempted.
- d) Students will be placed on probation upon returning to studies after having been required to withdraw from the University.

5.0 Release from Academic Probation

Any student who is placed on academic probation and achieves a cumulative average of 60% will be removed from probation upon the next academic standing assessment.

*Note: Students on probation whose cumulative average is below 60% will be allowed to continue on probation, into the next term, if they achieve a sessional average of at least 63% while on probation. This will be permitted only if less than 57 credits have been attempted.

6.0 Required Withdrawal from a Program

6.1 BScN

Students will be withdrawn from the BScN program should they receive more than one grade of “Unsatisfactory” in Clinical Practicum courses.

6.2 BPHE

Students will be withdrawn from the BPHE program should they receive more than one grade of “Unsatisfactory” in Community Leadership Placement courses.

6.3 Concurrent Education

A student may be withdrawn from the Concurrent program if they:

- a) Fail an education course
- b) Have not achieved a minimum cumulative average of 70% in their undergraduate and education program.

6.4 All other programs

Students will be withdrawn from a program when a minimum of 18 credits have been attempted in their program, and they have a program average below 60%.

Note:

- A student may request a program change to a different Nipissing program for which they may be eligible. A program change form must be completed. Credit for already completed courses may be applied to the new program if applicable.

7.0 Petition of Decision for Required Withdrawal from a Program

Students asked to withdraw from a program may submit a formal request to the appropriate Dean’s office to be allowed to proceed on probation.

8.0 Required Withdrawal from the University

Students will be required to withdraw from the University if:

- a) Their cumulative average is below 55%

- b) They are on probation and their cumulative average is below 60%

Any students required to withdraw will not be re-admissible to the University for at least one calendar year.

9.0 Petition of Decision for the Required Withdrawal from the University

Any student required to withdraw from the University may appeal the decision to the University’s Undergraduate Standing and Petitions Subcommittee (S & P) at a specified date.

Upon Re-admission, students may petition the S&P Senate Subcommittee to exclude up to 18 credits from the calculation of the cumulative average. If such petitions are approved, all assigned grades will continue to be included on the student’s transcript.

Student inquiries related to Academic Standing and Progression may be directed to the Academic Advising Office.

Degree Requirements

Humanities, Social Sciences, Sciences and Professional Disciplines

All undergraduate programs, with the exception of Consecutive Education, Nursing and Physical and Health Education, make reference to Humanities, Social Science, Science and Professional Discipline requirements (breadth requirements). These groups are defined as follows:

Group I Humanities

Classical Studies, Arts and Culture, English Studies, Film, Fine Arts, French, Music, Philosophy, Religions and Cultures, Russian, Spanish

Group II Social Sciences

Anthropology, Child and Family Studies, Criminal Justice, Economics, Gender Equality and Social Justice, Geography, History, Law and Justice, Native Studies, Political Science, Psychology, Social Welfare and Social Development, Sociology

Group III Sciences

Astronomy, Biology, Chemistry, Computer Science, Environmental Science, General Science, Physical/Technique Geography, Geology, Mathematics, Physics

Group IV Professional Disciplines

Accounting, Administrative Studies, Marketing, Organizational Studies, Nursing, Technology Management

Other

The following disciplines are not specified in either Groups I, II, III, or IV. Please refer to individual course descriptions to confirm if the course(s) may be used to satisfy one of the above groups.

Aboriginal Leadership, Academic Writing, Arts and Cultural Management, Digital Humanities, University Success

Note:

- 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 (Honours)

Degree Requirements

Students must complete 120 credits, with a minimum overall average of 60%, and satisfy one of the following:

Honours Specialization

- a) Must complete 60 credits in the honours specialization, including at least six credits at the 4000 level (according to details provided in the Program Requirements section);
- b) Must achieve a minimum honours specialization average of 70% (based on the best 60 credits which meet all of the honours specialization requirements);
- c) Not exceed a maximum of 42 credits at the 1000 level (with the exception of the Child and Family Studies program where the maximum is 48 credits);
- d) Not exceed a maximum of 84 credits in one discipline (may not have the same four-letter code);
- e) Must complete six credits from each the following areas:
 - Humanities (Group I)
 - Social Sciences (Group II) and/or Professional Studies (Group IV)
 - Sciences (Group III)

Faculty of Arts and Science students only:

- f) Must take ACAD 1601 within first 30 residency credits. ACAD 1601 will count towards three credits of the Humanities (Group I) requirement.

Honours Double Major

- a) Must complete a minimum of 39 credits in each major, including at least three credits at the 4000 level in each major (according to details provided in the Program Requirements section);
- b) Must achieve a minimum 70% in each major (based on the best 39 credits which meet all of the honours major requirements);
- c) Not exceed a maximum of 42 credits at the 1000 level (with the exception of the Child and Family Studies program where the maximum is 48 credits);
- d) Not exceed a maximum of 54 credits in one discipline (may not have the same four-letter code);
- e) Must complete six credits from each the following areas:
 - Humanities (Group I)
 - Social Sciences (Group II) and/or Professional Studies (Group IV)
 - Sciences (Group III)

Faculty of Arts and Science students only:

- f) Must take ACAD 1601 within first 30 residency credits. ACAD 1601 will count towards three credits of the Humanities (Group I) requirement.

Bachelor of Arts (Four-year)

Degree Requirements

Students must complete 120 credits, with a minimum overall average of 60%, and satisfy one of the following:

Specialization

- a) Must complete 54 credits in the specialization (according to details provided in the Program Requirements section);
- b) Must achieve a minimum specialization average of 60% (based on the best 54 credits which meet all of the specialization requirements);
- c) Not exceed a maximum of 42 credits at the 1000 level (with the exception of Child and Family Studies program where the maximum is 48 credits);
- d) Not exceed a maximum of 84 credits in one discipline (may not have the same four-letter code);
- e) Must complete six credits from each the following areas:
 - Humanities (Group I)
 - Social Sciences (Group II) and/or Professional Studies (Group IV)
 - Sciences (Group III)

Faculty of Arts and Science students only:

- f) Must take ACAD 1601 within first 30 residency credits. ACAD 1601 will count towards three credits of the Humanities (Group I) requirement.

Major/Double Major

- a) In the case of a single major, complete 36 credits in the major (according to details provided in the Program Requirements section);
- b) In the case of a double major, complete 36 credits in each of the two areas of study (according to details provided in the Program Requirements section);
- c) Must achieve a minimum major average of 60% (based on the best 36 credits which meet all of the major requirements);
- d) Not exceed a maximum of 42 credits at the 1000 level (with the exception of Child and Family Studies program where the maximum is 48 credits);
- e) Not exceed a maximum of 54 credits in one discipline (may not have the same four-letter code);
- f) Must complete six credits from each the following areas:
 - Humanities (Group I)
 - Social Sciences (Group II) and/or Professional Studies (Group IV)
 - Sciences (Group III)

Faculty of Arts and Science students only:

- g) Must take ACAD 1601 within first 30 residency credits. ACAD 1601 will count towards three credits of the Humanities (Group I) requirement.

Bachelor of Arts (Criminal Justice)

To graduate with a Bachelor of Arts (four-year) degree in Criminal Justice or Bachelor of Arts (Honours) degree in Criminal Justice, students must:

- Complete 120 credits, with a minimum overall average of 60%;
- Satisfy all the stated requirements of the degree;
- Achieve a minimum program average of 60% for the four-year degree, and a program average of 70% for the honours degree (based on the best credits which meet all of the requirements for the program);
- Not exceed a maximum of 42 credits of first year level courses;
- Not exceed a maximum of 84 credits in a single discipline;
- Complete six credits in Group I (Humanities), and six credits in Group III (Sciences).

Bachelor of Arts (Three-year)

Degree Requirements

Students must complete 90 credits, with a minimum overall average of 60%, and satisfy one of the following:

Major

- Must complete 36 credits in the major (according to details provided in the Program Requirements section);
- Must achieve a minimum major average of 60% (based on the best 36 credits which meet all of the requirements for the major);
- Not exceed a maximum of 42 credits at the 1000 level (with the exception of the Child and Family Studies program where the maximum is 48 credits);
- Not exceed a maximum of 54 credits in one discipline (may not have the same four-letter code);
- Must complete six credits from each the following areas:
 - Humanities (Group I)
 - Social Sciences (Group II) and/or Professional Studies (Group IV)
 - Sciences (Group III)

Faculty of Arts and Science students only:

- Must take ACAD 1601 within first 30 residency credits. ACAD 1601 will count towards three credits of the Humanities (Group I) requirement.

Liberal (Double-Minor)

- Must complete 18 credits in each of two minors (according to details provided in the Program Requirements section);
- Must achieve a minimum average of 60% in each minor (based on the best 18 credits for each minor which meet all of the requirements for each minor);
- Not exceed a maximum of 48 credits at the 1000 level;
- Not exceed a maximum of 54 credits in two disciplines (may not have the same four-letter code);
- Must complete 48 credits in courses from at least three disciplines in the Humanities and Social Sciences, with at least six credits in each group;

- Complete at least six credits in Group III (Sciences);
- Must take ACAD 1601 within first 30 residency credits. ACAD 1601 will count towards three credits of the Humanities (Group I) requirement.

Bachelor of Arts (Honours)/Bachelor of Education (Concurrent)

To graduate with a Bachelor of Arts (Honours)/Bachelor of Education (Concurrent) degree, and to qualify for a Certificate of Qualification and Registration, students must:

- Satisfy all of the stated requirements for the Bachelor of Arts (Honours) degree as listed above and satisfy the Bachelor of Education requirements as follows;
- Obtain a pass in the five required Observation and Practice Teaching courses;
- Obtain a minimum overall average of 70% in the following courses, respective to the division, with at least 60% in each course:
Language Arts I and II; Education and Schooling; Education Psychology and Special Education; Visual Arts; Music Education; Health and Physical Education; Mathematics Education; Science Education; Social Studies, Curriculum Methods, Part I; Curriculum Methods, Part II;
- Obtain a minimum of 60% in one of the teachable subjects listed in the Junior/Intermediate Division, for students in that division;
- Obtain the required overall and minimum grade requirements with no more than two attempts in any one course, with the exception of Observation and Practice Teaching V which may only be attempted once.

Bachelor of Business Administration

To graduate with a Bachelor of Business Administration or Bachelor of Business Administration (Honours) degree, students must:

- Complete 120 credits, with a minimum overall average of 60%;
- Satisfy all the stated requirements of the degree;
- Achieve a minimum program average of 60% for the four-year degree, and a program average of 70% for the honours degree (based on the best credits which meet all of the requirements for the program);
- 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), and six credits in Group III (Sciences);
- Complete a minimum of 12 credits at the 4000 level among the courses offered in business (for the honours degree only).

Bachelor of Commerce (General)

To graduate with a Bachelor of Commerce (General), students must:

- Complete 90 credits, with a minimum overall average of 60%;
- Satisfy all of the stated requirements for the degree;
- Achieve a minimum program average of 60% (based on the best credits which meet all of the requirements for the program);
- Complete a minimum of 30 Nipissing business course credits;
- Successfully complete each core Nipissing credit or elective Nipissing credit as specified in the Program Requirements section in no more than two attempts;
- Not exceed a maximum of 42 credits at the 1000 level.

Bachelor of Education – Consecutive

Primary and Junior Divisions

To qualify for the Bachelor of Education degree in the Primary/Junior Division and to qualify for a Certificate of Qualification and Registration, a candidate must:

- Obtain a pass in EDUC 4684 (Observation and Practice Teaching)
- Obtain a minimum overall average of 70% in the following courses with at least 60% in each:

EDUC 4102	Education and Schooling – Primary/Junior
EDUC 4103	Educational Psychology and Special Education – Primary/Junior
EDUC 4114	Curriculum Studies 1 – Primary/Junior
EDUC 4244	Visual Arts – Primary/Junior
EDUC 4254	Music Education – Primary/Junior
EDUC 4264	Health and Physical Education – Primary/Junior
EDUC 4274	Mathematics Education – Primary/Junior
EDUC 4284	Science Education – Primary/Junior
EDUC 4294	Social Studies – Primary/Junior
EDUC 4454	Curriculum Methods – Primary/Junior

Junior and Intermediate Divisions

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 4694 (Observation and Practice Teaching)
- Obtain a minimum overall average of 70% in the following courses and in one teaching elective with at least 60% in each:

EDUC 4202	Education and Schooling – Junior/Intermediate
EDUC 4203	Educational Psychology and Special Education – Junior/Intermediate
EDUC 4214	Curriculum Studies 1 – Junior/Intermediate
EDUC 4308	Visual Arts – Junior/Intermediate
EDUC 4314	Music Education – Junior/Intermediate
EDUC 4324	Health and Physical Education – Junior/Intermediate
EDUC 4334	Mathematics Education – Junior/Intermediate
EDUC 4344	Science Education – Junior/Intermediate

- | | |
|-----------|--|
| EDUC 4354 | Social Studies – Junior/Intermediate |
| EDUC 4464 | Curriculum Methods – Junior/Intermediate |
- Obtain at least 60% in one of the electives listed below:

EDUC 4406	English
EDUC 4416	Computer Studies
EDUC 4436	French as a Second Language
EDUC 4446	Geography
EDUC 4456	History
EDUC 4466	Mathematics
EDUC 4476	Health and Physical Education
EDUC 4486	Science I– (General)
EDUC 4496	Visual Arts
EDUC 4516	Music – Instrumental
EDUC 4586	Religious Studies

Intermediate and Senior Divisions

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 4355 (Observation and Practice Teaching)
- Obtain a minimum overall average of 70% in the courses listed below, and in two subject pairings chosen as electives in the Intermediate/Senior Division, with at least 60% in each course.

EDUC 4306	Education and Schooling (Intermediate/Senior)
EDUC 4307	Educational Psychology and Special Education (Intermediate/Senior)
EDUC 4315	Curriculum Methods (Intermediate/Senior)
EDUC 4325	Curriculum Development and Evaluation (Intermediate/Senior)

Intermediate Electives

Senior Electives

EDUC 4406 English	+	EDUC 4407 English
EDUC 4416 Computer Studies	+	EDUC 4417 Computer Studies
EDUC 4326 Business Studies, General	+	EDUC 4327 Business Studies, General
EDUC 4436 French as a Second Language	+	EDUC 4437 French as a Second Language
EDUC 4446 Geography	+	EDUC 4447 Geography
EDUC 4456 History	+	EDUC 4457 History
EDUC 4466 Mathematics	+	EDUC 4467 Mathematics
EDUC 4476 Health and Physical Education	+	EDUC 4477 Health and Physical Education
EDUC 4486 Science I	+	EDUC 4487 Science – Biology
EDUC 4486 Science I	+	EDUC 4506 Science – Physics
EDUC 4486 Science I	+	EDUC 4537 Science – Chemistry
EDUC 4496 Visual Arts	+	EDUC 4497 Visual Arts

EDUC 4516 Music – Instrumental	+	EDUC 4517 Music – Instrumental
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EDUC 4586 Religious Studies	+	EDUC 4587 Religious Studies
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- c) Students who wish to take a combination of two Sciences (e.g. EDUC 4487 Science-Biology (Senior) and EDUC 4537 Science-Chemistry (Senior)) will be paired with EDUC 4486 Science I and EDUC 4596 Science II. See Course Descriptions in the Course Listing section.
- d) The final practice teaching grade (EDUC 4684/EDUC 4694/EDUC 4355) is the result of all evaluations earned during the graded weeks.
- e) The average is a weighted average based upon course credits. Option course grades are not included in the average.

Education – Diploma Programs

Aboriginal Teacher Certification Program

To graduate with an Aboriginal Teacher Certification Diploma and to qualify for an Ontario Teaching Certificate students must:

- a) Satisfy all of the stated requirements for the diploma;
- b) Students must be successful in all practicum sessions;
- c) Complete all required courses with a minimum of 60% in each course.

Teacher of Anishnaabemwin as a Second Language

To graduate with a Teacher of Anishnaabemwin as a Second Language Diploma and to qualify for an Ontario Certificate of Qualification students must:

- a) Satisfy all of the stated requirements for the diploma;
- b) Students must be successful in all practicum sessions;
- c) Complete all courses with a minimum of 50% in any one course and a overall average of 60% in each of three summer components;
- d) Students who fail one summer component must retake the component before being allowed to continue in the program.

Native Classroom Assistant Diploma Program

To graduate with a Native Classroom Assistant 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 50% in any course and not less than 60% in the following courses:
 - i) EDUC 1012 NCADP Primary Methods I
 - ii) EDUC 1022 NCADP Junior Methods I
 - iii) EDUC 2011 NCADP Primary Methods II
 - iv) EDUC 2021 NCADP Junior Methods II
 - v) EDUC 3011 NCADP Primary Methods III
 - vi) EDUC 3021 NCADP Junior Methods III

Native Special Education Assistant Diploma Program

To graduate with a Native Special Education Assistant 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 50% in any course and not less than 60% in the following courses:
 - i) EDUC 1112 NSEADP Methods I
 - ii) EDUC 1122 NSEADP Methods II
 - iii) EDUC 2111 NSEADP Methods III
 - iv) EDUC 2121 NSEADP Methods IV

Bachelor of Physical and Health Education

To graduate with a Bachelor of Physical and Health Education or Bachelor of Physical and Health Education (Honours), students must:

- a) Complete 120 credits, with a minimum overall average of 60%;
- b) Satisfy all stated requirements of the degree;
- c) Complete 120 credits in no more than 162 credit attempts with a minimum program average of 60%, and for the honours degree, a minimum program average of 70% (only courses at Nipissing are to be included in this average);
- d) Successfully complete the first year introductory level course(s) for the major, after no more than two attempts, where specified, with a minimum grade of 60%;
- e) Successfully complete all required courses in no more than two attempts;
- f) Successfully complete all PHED courses with a minimum grade of 60% or SAT;
- g) Not exceed a maximum of 48 credits of first year level courses.

Bachelor of Fine Arts (Honours)

To graduate with a Bachelor of Fine Arts (Honours), students must:

- a) Complete 120 credits with a minimum overall average of 60%;
- b) Satisfy all the stated requirements for the degree;
- c) Complete at least 78 credits in Fine Arts (according to details provided in the Program Requirements section);
- d) Achieve a minimum program average of 70% (based on the best 78 credits which meet all of the requirements for the program);
- e) Not exceed a maximum of 42 credits at the first year level;
- f) Not exceed a maximum of 90 credits in Fine Arts;
- g) Complete at least six credits in each of Groups II (Social Sciences) and III (Sciences);
- h) Must take ACAD 1601 within first 30 residency credits.

Bachelor of Science (Honours)

Degree Requirements

Students must complete 120 credits, with a minimum overall average of 60%, and satisfy one of the following:

Honours Specialization

- Must complete 60 credits in the honours specialization, including at least six credits at the 4000 level (according to details provided in the Program Requirements section);
 - Must achieve a minimum honours specialization average of 70% (based on the best 60 credits which meet all of the honours specialization requirements);
 - Not exceed a maximum of 48 credits at the 1000 level;
 - Not exceed a maximum of 84 credits in one discipline (may not have the same four-letter code);
 - Must complete six credits from each the following areas:
 - Humanities (Group I)
 - Social Sciences (Group II) and/or Professional Studies (Group IV)
 - Must complete a minimum of 12 credits in a science discipline other than that of their area of study;
- Faculty of Arts and Science students only:
- Must take ACAD 1601 within first 30 residency credits. ACAD 1601 will count towards three credits of the Humanities (Group I) requirement.

Honours Double Major

- Must complete a minimum of 39 credits in each major, including at least three credits at the 4000 level in each major (according to details provided in the Program Requirements section);
- Must achieve a minimum 70% in each major (based on the best 39 credits which meet all of the honours major requirements);
- Not exceed a maximum of 48 credits at the 1000 level;
- Not exceed a maximum of 54 credits in one discipline (may not have the same four-letter code);
- Must complete six credits from each the following areas:
 - Humanities (Group I)
 - Social Sciences (Group II) and/or Professional Studies (Group IV)
- Must include a minimum of 12 credits in a science discipline in an area other than that of their area of study;

Faculty of Arts and Science students only:

- Must take ACAD 1601 within first 30 residency credits. ACAD 1601 will count towards three credits of the Humanities (Group I) requirement.

Bachelor of Science (Honours)/ Bachelor of Education (Concurrent)

To graduate with the Bachelor of Science (Honours)/Bachelor of Education degrees, and to qualify for a Certificate of Qualification students must:

- Satisfy all of the stated requirements for the Bachelor of Science (Honours) degree as listed above and satisfy the Bachelor of Education requirements as follows;
- Obtain a pass in the five required Observation and Practice Teaching courses;
- Obtain a minimum overall average of 70% in the following courses, respective to the division, with at least 60% in each course:

Language Arts I and II; Education and Schooling; Education Psychology and Special Education; Visual Arts; Music Education; Health and Physical Education; Mathematics Education; Science Education; Social Studies; Curriculum Methods, Part I; Curriculum Methods, Part II;
- Obtain a minimum of 60% in one of the teachable subjects listed in the Junior/Intermediate Division, for students in that division;
- Obtain the required overall and minimum grade requirements with no more than two attempts in any one course, with the exception of Observation and Practice Teaching V which may only be attempted once.

Bachelor of Science (Four-year)

Degree Requirements

Students must complete 120 credits, with a minimum overall average of 60%, and satisfy one of the following:

Specialization

- Must complete 54 credits in the specialization (according to details provided in the Program Requirements section);
- Must achieve a minimum specialization average of 60% (based on the best 54 credits which meet all of the specialization requirements);
- Not exceed a maximum of 48 credits at the 1000 level;
- Not exceed a maximum of 84 credits in one discipline (may not have the same four-letter code);
- Must complete six credits from each the following areas:
 - Humanities (Group I)
 - Social Sciences (Group II) and/or Professional Studies (Group IV)
- Must complete a minimum of 12 credits in a science discipline other than that of their area of study;
- Must take ACAD 1601 within first 30 residency credits. ACAD 1601 will count towards three credits of the Humanities (Group I) requirement.

Major /Double Major

- In the case of a single major, complete 36 credits in the major (according to details provided in the Program Requirements section),
- In the case of a double major, complete 36 credits in each major (according to details provided in the Program Requirements section);
- Must achieve a minimum major average of 60% (based on the best 36 credits which meet all of the major requirements);
- Not exceed a maximum of 48 credits at the 1000 level;
- Not exceed a maximum of 54 credits in one discipline (may not have the same four-letter code);

- f) Must complete six credits from each the following areas:
- Humanities (Group I)
 - Social Sciences (Group II) and/or Professional Studies (Group IV)
- g) Must complete a minimum of 12 credits in a science discipline other than that of their area of study;
- h) Must take ACAD 1601 within first 30 residency credits. ACAD 1601 will count towards three credits of the Humanities (Group I) requirement.

Bachelor of Science (Three-year)

Degree Requirements

Students must complete 90 credits, with a minimum overall average of 60%, and satisfy one of the following:

Major

- a) Must complete 36 credits in the major (according to details provided in the Program Requirements section);
- b) Must achieve a minimum major average of 60% (based on the best 36 credits which meet all of the requirements for the major);
- c) Not exceed a maximum of 48 credits at the 1000 level;
- d) Not exceed a maximum of 54 credits in one discipline (may not have the same four-letter code);
- e) Must complete six credits from each the following areas:
- Humanities (Group I)
 - Social Sciences (Group II) and/or Professional Studies (Group IV)
- f) Must complete a minimum of 12 credits in a science discipline other than that of their area of study;
- g) Must take ACAD 1601 within first 30 residency credits. ACAD 1601 will count towards three credits of the Humanities (Group I) requirement.

Liberal (Double-Minor)

- a) Must complete 18 credits in each of two minors (according to details provided in the Program Requirements section);
- b) Must achieve a minimum average of 60% in each minor (based on the best 18 credits for each minor which meet all of the requirements for each minor);
- c) Not exceed a maximum of 48 credits at the 1000 level;
- d) Must complete 54 credits in Science courses chosen from at least three different disciplines;
- e) Must choose six credits from the following courses: PHIL 2505 or PHIL 2915;
- f) Must complete 12 credits from following areas: Humanities (Group I), Social Sciences (Group II) and/or Professional Studies (Group IV);
- g) Must take ACAD 1601 within first 30 residency credits. ACAD 1601 will count towards three credits of the Humanities (Group I) requirement.

Bachelor of Science (Nursing)

To graduate with a Bachelor of Science (Nursing) degree students must:

- a) Satisfy all stated requirements for the degree;
- b) Complete 120 credits with a program average of 60% (only courses taken at Nipissing University are to be included in the average);
- c) Successfully complete all NURS classroom courses with a minimum grade of 60%, and all clinical practicum courses with a “Satisfactory” grade;
- d) Complete the program within seven (7) years of the original date of admission.

Second Degree Programs

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 from an accredited university.

Requirements

Second degree programs must be in a subject area other than subject area in which a student has received their first degree.

All second degree programs are normally specified by an Academic Advisor in consultation with the discipline concerned, and must be approved by the Registrar and the faculty appropriate Dean.

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.

Honours Bachelor Degree

Bachelor of Arts (Honours), Bachelor of Science (Honours), Bachelor of Business Administration (Honours), Bachelor of Fine Arts (Honours), Bachelor of Physical Health and Education (Honours)

To graduate with a second degree in an Honours Bachelor degree program (as outlined above), a student must:

- a) Complete a minimum of 60 credits with a minimum overall average of 60%;
- b) In the case of a major, students must complete a minimum of 30 credits in the subject of study of the second degree with a minimum subject average of 70% (based on the best 30 credits which meet all of the requirements of the major);
- c) In the case of an honours specialization, students must complete a minimum of 48 credits in the subject of study of the second degree, with a minimum subject average of 70% (based on the best 48 credits which meet all of the requirements of the honours specialization);
- d) In the case of a BBA, BPHE, and BFA, students must complete a minimum of 48 credits in the subject of study of the second degree, with a minimum subject average of 70% (based on the best 48 credits which meet all of the requirements of the subject of study);

- e) Satisfy all the stated requirements for the program not completed in the first degree;
- f) In the case of a Bachelor of Arts, Bachelor of Science, or a Bachelor of Fine Arts second degree, complete six credits from each the following areas if they have not done so in their first degree:
 - Humanities (Group I)
 - Social Sciences (Group II) and/or Professional Studies (Group IV)
 - Sciences (Group III)
- g) Maintain all minimum grade requirements and all minimum average requirements specified in the general regulations for the specified degree.

Bachelor Degree

Bachelor of Arts, Bachelor of Science, Bachelor of Business Administration, Bachelor of Fine Arts, Bachelor of Physical Health and Education

To graduate with a second degree in a Bachelor Degree program (as outlined above), a student must:

- a) Complete a minimum of 60 credits with a minimum overall average of 60%;
- b) In the case of a major, students must complete a minimum of 30 credits in the subject of study of the second degree with a minimum subject average of 60% (based on the best 30 credits which meet all of the requirements of the major);
- c) In the case of a specialization, students must complete a minimum of 42 credits in the subject of study of the second degree, with a minimum program average of 60% (based on the best 42 credits which meet all of the requirements of the specialization);
- d) In the case of a BBA, BPHE, and BFA, students must complete a minimum of 48 credits in the subject of study of the second degree, with a minimum subject average of 60% (based on the best 48 credits which meet all of the requirements of the subject of study);
- e) Satisfy all the stated requirements for the program not completed in the first degree;
- f) In the case of a Bachelor of Arts, Bachelor of Science, or a Bachelor of Fine Arts second degree, complete six credits from each the following areas if they have not done so in their first degree:
 - Humanities (Group I)
 - Social Sciences (Group II) and/or Professional Studies (Group IV)
 - Sciences (Group III)
- g) Maintain all minimum grade requirements and all minimum average requirements specified in the general regulations for the specified degree.

Three-year Bachelor degree

General, Liberal, and Bachelor of Commerce

To graduate with a second degree in a three-year Bachelor degree program (General, Liberal, Bachelor of Commerce), a student must:

- a) Complete a minimum of 45 credits with a minimum overall average of 60%;
- b) Complete a minimum of 30 credits in the area of study with program average of 60 % (based on the best 30 credits which meet all of the requirements of the subject of study);
- c) In the case of a Bachelor of Arts (Liberal), or a Bachelor of Science (Liberal) second degree, complete a minimum of 12 credits in each of two minors and maintain a minimum overall average of 60% in each minor;
- d) Satisfy all the stated requirements for the program not completed in the first degree;
- e) In the case of a Bachelor of Arts or Science second degree, complete six credits from each the following areas if they have not done so in their first degree:
 - Humanities (Group I)
 - Social Sciences (Group II) and/or Professional Studies (Group IV)
 - Sciences (Group III)
- f) Maintain all minimum grade requirements and all minimum average requirements specified in the general regulations for the specified degree.

Second Degree Program – Bachelor of Science in Nursing

To graduate with a second degree in the Bachelor of Science in Nursing, students must:

- a) Complete a minimum of 60 credits in the Bachelor of Science in Nursing with a minimum program average of 60%, after no more than two attempts in any one course;
- b) Successfully complete all NURS courses with a minimum grade of 60%; and all clinical practicum courses with a “Satisfactory” grade;
- c) Complete the program within seven (7) years of the original date of admission;
- d) Complete a minimum of 48 credits in the area of the major of the second degree;
- e) Complete all core course(s) not completed in the first degree. Please note that a second degree in Nursing may require the repeating of core credits taken in the first degree, if they are more than 10 years old;
- f) Maintain all minimum grade requirements and all minimum average requirements specified in the general regulations for the degree.

Degree Program Upgrade

Students who have graduated with a Nipissing three-year General degree (Bachelor of Arts or Bachelor of Science) may upgrade their major subject to either an Honours Specialization or Specialization according to the criteria outlined below.

Upgrade to an Honours Degree with an Honours Specialization

Students who have graduated with a Nipissing three-year Bachelor of Arts or three-year Bachelor of Science degree, and who wish to upgrade to an Honours Bachelor of Arts or an Honours Bachelor of Science degree, with an honours specialization in the same subject of study, may apply for readmission to the University indicating their intent to pursue an Honours upgrade in the same subject of study on the application for readmission.

To graduate with an Honours Bachelor degree students must meet the current published requirements for the Honours degree and the Honours Specialization as specified in the Academic Calendar for the year they are readmitted.

Upgrade to a Bachelor Degree with a Specialization

Students who have graduated with a Nipissing three-year Bachelor of Arts or three-year Bachelor of Science degree, and who wish to upgrade to a Bachelor of Arts or a Bachelor of Science degree

with a specialization in the same subject of study, may apply for readmission to the University indicating their intent to pursue an upgrade in the same subject of study on the application for readmission.

To graduate with Bachelor degree students must meet the current published requirements for the Bachelor degree and the Specialization as specified in the Academic Calendar for the year they are readmitted.

Dual Degrees

Students may register in two undergraduate degrees simultaneously and complete the two degrees subject to the existing Second Degree requirements and regulations as approved by Senate. The exception to this policy is the formal Senate approved concurrent degree programs, e.g. BA/BEd, or BSc/BEd, as outlined in the Academic Calendar.

- a) The Dual Degree program currently applies only to the combination of a primary degree in BComm with a secondary BA or BSc program. Additional dual degree combinations will be approved by the Deans of the applicable programs, upon request of the Office of the Registrar.
- b) Students must meet the admission criteria for both programs in the dual degree.
- c) The Dual Degree program will take a minimum of five years of study to complete.

Programs of Study

Certificate in Aboriginal Leadership

Faculty of Arts and Science

The certificate in Aboriginal Leadership consists of 18 credits as outlined below:

LEAD 1006	Concepts and Ethics of Aboriginal Leadership
LEAD 2006	Aboriginal Political Culture
LEAD 2007	Aboriginal Governance and Intergovernmental Relations
LEAD 3126	Treaty Law in Canada
LEAD 3127	Comparative Indigenous Politics in a Globalized World
LEAD 3147	International or First Nations Placement

This certificate is available to any graduating student who has otherwise met the requirements for the certificate.

The certificate in Aboriginal Leadership will be awarded at the time of graduation.

Academic Writing

Faculty of Arts and Science

This discipline is not offered as a degree, but the courses in Academic Writing may be credited as electives in any other degree program.

Anthropology

Faculty of Arts and Science

Minor in Anthropology

A Minor in Anthropology is available to students pursuing a program of study in a different discipline. Students will need to achieve a minimum 60% average in the 18 credits presented for the Minor in Anthropology. In addition to the requirements listed below, please refer to the Minor Requirements section.

Students must complete 18 credits in Anthropology as follows:

ANTR 1006	Introduction to Anthropology	3 cr.
ANTR 2006	Cultural Anthropology	3 cr.
ANTR	Upper level	12 cr.

Cross-Listed Courses

The following courses may be credited towards Anthropology:

NATI 3005, SOCI 3057, SOCI 3256, SOCI 4557.

Astronomy

Faculty of Arts and Science

This discipline is not offered as a degree, but the course in Astronomy may be credited as an elective in any other degree program.

Biology

Bachelor of Science

Faculty of Arts and Science

This section presents the requirements for the following program options in Biology:

- Honours Specialization
- Specialization
- Major
- Minor
- Certificate in Neuroscience

Honours Specialization in Biology

Graduation Requirements

In addition to the program requirements listed below, students must also satisfy the Bachelor of Science (Honours) degree requirements, which include regulations on first year and subject maximum and breadth requirements.

Program Requirements

- Students will need to achieve a minimum 70% average in the 60 credits presented for the Honours Specialization in Biology.

Students must complete 120 credits including 60 credits in the Honours Specialization, as follows:

BIOL 1006	Introduction to Molecular and Cell Biology	3 cr.
BIOL 1007	Introduction to Organismal and Evolutionary Biology	3 cr.
BIOL 2446	Principles of Ecology	3 cr.
BIOL 2557	Genetics	3 cr.
BIOL 2336	Biology of Seedless Plants or	
BIOL 2337	Biology of Seed Plants	3 cr.
BIOL 2836	Invertebrate Zoology or	
BIOL 2837	Vertebrate Zoology	3 cr.
BIOL 3117	Biostatistics	3 cr.
BIOL	Upper level	18 cr.
BIOL 3000		12 cr.
BIOL	4000 level	9 cr.

Other Science Requirements

CHEM 1006	General Chemistry I	3 cr.
CHEM 1007	General Chemistry II	3 cr.
MATH 1000 level (excluding MATH 1070, 1911, 1912 and 1922)		3 cr.
Science		6 cr.

Breadth Requirements

ACAD 1601	3 cr.
Humanities	3 cr.
Social Science and/or Professional Studies	6 cr.

Note:

- Students must be in the Honours Biology program or the Honours Environmental Biology and Technology program to enrol in the following courses: BIOL 4107, BIOL 4506, BIOL 4607, BIOL 4706, BIOL 4976, BIOL 4995, or BIOL 4997.
- Students pursuing a thesis must choose BIOL 4706 Literature Research and Seminar and BIOL 4995 Thesis.

Specialization in Biology**Graduation Requirements**

In addition to the program requirements listed below, students must also satisfy the Bachelor of Science (four-year) degree requirements, which include regulations on first year and subject maximum and breadth requirements.

Program Requirements

- Students will need to achieve a minimum 60% average in the 54 credits presented for the Specialization in Biology.

Students must complete 120 credits including 54 credits in the Specialization as follows:

BIOL 1006	Introduction to Molecular and Cell Biology	3 cr.
BIOL 1007	Introduction to Organismal and Evolutionary Biology	3 cr.
BIOL 2446	Principles of Ecology	3 cr.
BIOL 2557	Genetics	3 cr.
BIOL 2336	Biology of Seedless Plants or	
BIOL 2337	Biology of Seed Plants	3 cr.
BIOL 2836	Invertebrate Zoology or	
BIOL 2837	Vertebrate Zoology	3 cr.
BIOL 3117	Biostatistics	3 cr.
BIOL Upper level		18 cr.
BIOL 3000 or 4000 level		15 cr.

Other Science Requirements

CHEM 1006	General Chemistry I	3 cr.
CHEM 1007	General Chemistry II	3 cr.
MATH 1000 level (excluding MATH 1070, 1911, 1912 and 1922)		3 cr.
Science		6 cr.

Breadth Requirements

ACAD 1601	3 cr.
Humanities	3 cr.
Social Science and/or Professional Studies	6 cr.

Major in Biology**Graduation Requirements**

In addition to the program requirements listed below, students must also satisfy the Bachelor of Science degree requirements, which include regulations on first year and subject maximum and breadth requirements.

Program Requirements

- Students will need to achieve a minimum 60% average in the 36 credits presented for the Major in Biology.

Students must complete 36 credits in the Major as follows:

BIOL 1006	Introduction to Molecular and Cell Biology	3 cr.
BIOL 1007	Introduction to Organismal and Evolutionary Biology	3 cr.
BIOL 2446	Principles of Ecology	3 cr.
BIOL 2557	Genetics	3 cr.
BIOL 2336	Biology of Seedless Plants or	
BIOL 2337	Biology of Seed Plants	3 cr.
BIOL 2836	Invertebrate Zoology or	
BIOL 2837	Vertebrate Zoology	3 cr.
BIOL Upper level		18 cr.

Other Science Requirements

CHEM 1006	General Chemistry I	3 cr.
CHEM 1007	General Chemistry II	3 cr.
MATH 1000 level (excluding MATH 1070, 1911, 1912 and 1922)		3 cr.
Science		6 cr.

Breadth Requirements

ACAD 1601	3 cr.
Humanities	3 cr.
Social Science and/or Professional Studies	6 cr.

Note:

- Students must be in the Honours Biology program or the Honours Environmental Biology and Technology program to enrol in the following courses: BIOL 4107, BIOL 4506, BIOL 4607, BIOL 4706, BIOL 4976, BIOL 4995, or BIOL 4997.
- The department recommends that students who are doing an Honours Double Major in Biology take BIOL 3117.
- Students may complete an Honours BSc double major if they obtain an overall average of 70% in each Major, and complete an additional three credits (minimum) at the 4000 level in each science Major. Please refer to the Degree Requirement section for further information.

Minor in Biology

A Minor in Biology is available to students pursuing a program of study in a different discipline. Students will need to achieve a minimum 60% average in the 18 credits presented for the Minor in Biology. In addition to the requirements listed below, please refer to the Minor Requirements section.

Students must complete 18 credits in as follows:

BIOL 1006	Introduction to Molecular and Cell Biology	
or		
BIOL 1011	Introduction to Molecular and Cell Biology for Nursing and Physical and Health Education	3 cr.
BIOL 1007	Introduction to Organismal and Evolutionary Biology	3 cr.
BIOL Upper level		12 cr.

Certificate in Neuroscience

The certificate in Neuroscience provides students in an Honours Bachelor of Science in Biology or an Honours Bachelor of Science in Psychology with an opportunity for interdisciplinary research that considers the processes of the brain at all phylogenetic levels.

Students must complete all of the following within the BSc Honours Biology or BSc Honours Psychology:

BIOL 1006	Introduction to Molecular and Cell Biology	3 cr.
BIOL 2206	Introduction to Biochemistry	3 cr.

BIOL 2706	Human Anatomy and Physiology I	3 cr.
BIOL 4557	Developmental and Behavioural Genetics	3 cr.
CHEM 1006	General Chemistry I	3 cr.
CHEM 1007	General Chemistry II	3 cr.
PSYC 1106	Introduction to Psychology I	3 cr.
PSYC 2605	Behavioural Neuroscience	6 cr.
PSYC 2906	Sensation	3 cr.
One of:		3 cr.
PSYC 3506	Neuropharmacology	
PSYC 4616	Neural Bases of Consciousness	
PSYC 4706	Advanced Neuroanatomy	
One of:		3 cr.
BIOL 3717	Animal Behaviour	
or		
PSYC 2206	Learning I	
One of:		6 cr.
* BIOL 4995	Thesis	
or		
* PSYC 4105	Senior Empirical Thesis	

*The thesis must be conducted in a Neuroscience area.

Cross-Listed Courses

The following courses may be credited towards Biology in a Liberal program, up to a maximum of nine credits: PSYC 2605, PSYC 2906, PSYC 2907, and PSYC 3506.

Business Administration

Faculty of Applied and Professional Studies

This section presents requirements for the following:

- Bachelor of Business Administration (Honours and Four-year)
 - Streams available in Accounting, Economics, Marketing, Organizational Studies, and Technology Management
- Bachelor of Commerce (General degree)

Certificates

- Certificate in Financial Services
- iLEAD Business Experience Certificate

Minors

- Business Administration, Human Resources, Marketing, and Corporate Social Responsibility

Bachelor of Business Administration

Graduation Requirements

In addition to the program requirements listed below, students must also satisfy the Bachelor of Business Administration degree requirements, which include regulations on first year and subject maximum and breadth requirements. Please refer to the Degree Requirement section for further information.

Program Requirements

- Students completing the BBA (Honours) must achieve a minimum average of 70% in the program, and must also include an additional six credits at the 4000 level in Business.
- Students completing the BBA (four-year) must achieve a minimum average of 60% in the program.

To graduate with a Bachelor of Business Administration (Honours) or a Bachelor of Business Administration (four-year), students must complete 120 credits, including 60 credits of core requirements as outlined below.

ACCT 1107	Introductory Financial Accounting II	3 cr.
ADMN 1607	Business Mathematics	3 cr.
ECON 1006	Introduction to Microeconomics	3 cr.
ECON 1007	Introduction to Macroeconomics	3 cr.
MKTG 1126	Marketing Concepts	3 cr.
ORGS 1136	Introduction to Organizational Behaviour	3 cr.
ORGS 1137	Management of Human Resources	3 cr.
TMGT 1107	Introduction to Innovation, Technology and Sustainability	3 cr.
ACCT 2146	Management Accounting and Control I	3 cr.
ADMN 2136	Research in Management	3 cr.
ADMN 2306	Business Ethics	3 cr.
ADMN 2606	Business Statistics	3 cr.
MKTG 2127	Marketing for Managers	3 cr.
ADMN 3046	Operations Management	3 cr.
ADMN 3056	Economic and Management Decision Making	3 cr.
ADMN 3116	Financial Management I	3 cr.
ADMN 3117	Financial Management II	3 cr.
TMGT 3856	Information Systems	3 cr.
ADMN 4606	Business Strategy and Policy I	3 cr.
ADMN 4607	Business Strategy and Policy II	3 cr.

Other Program Requirements

ACCT, ADMN, ECON, MKTG, ORGS, TMGT 6 cr.

(For the Bachelor of Business Administration (Honours), these six credits must be at the 4000 level.)

Breadth Requirements

Humanities 6 cr.
Science 6 cr.

Note:

- Students without any prior background in accounting will be required to take ACCT 1106 Introductory Financial Accounting I in preparation for ACCT 1107 Introductory Financial Accounting II.
- It is recommended that students include ACAD 1601 in their first 30 Nipissing credits. ACAD 1601 will count towards three credits of the Humanities requirements.

BBA Streams

Normally, in their 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 Accounting, Economics, Organizational Studies, Marketing or Technology Management.

Co-ordinators

Accounting – Dr. J. Muterera
Economics – Dr. N. Brown

Organizational Studies – Ms. L. Piper
 Marketing – Ms. D. Lafrance Horning
 Technology Management – Dr. D. Hemsworth
 General Management – Dr. G. Brophy

Accounting Stream

In addition to the 12 credits of accounting in the core, students must complete 18 credits during their second, third and fourth years of study, as follows:

ACCT 2106	Intermediate Accounting I	3 cr.
ACCT 2107	Intermediate Accounting II	3 cr.
ACCT 2147	Management Accounting and Control II	3 cr.

Nine credits from the following:

ACCT 3127	Accounting Information Systems	3 cr.
ACCT 4816	Personal Taxation	3 cr.
ACCT 4817	Corporate Taxation	3 cr.
ACCT 4827	Auditing	3 cr.
ACCT 4836	Advanced Accounting Topics I	3 cr.
ACCT 4837	Advanced Accounting Topics II	3 cr.
ACCT 4887	Advanced Management Accounting	3 cr.
ACCT 4926	Information Systems Auditing and Assurance	3 cr.
ACCT 4927	Advanced Auditing	3 cr.

Students intending to pursue an accounting designation are strongly advised to take ACCT 2106, ACCT 2107 and ACCT 2147 in their second year. Students should consult with the faculty co-ordinator regarding courses. If students are pursuing a professional accounting designation, they should ensure they are meeting the entrance requirements for the specific designation as those may be more demanding than the accounting stream requirements.

Economics Stream

In addition to the nine credits of economics in the core, students must complete 15 credits in Economics during their second, third and fourth years of study, as follows:

ECON 2007	Labour Economics	3 cr.
ECON 2016	Intermediate Macroeconomics	3 cr.
ECON 2017	Money, Banking and the Canadian Financial System	3 cr.

Six credits from the following:

ECON 3066	Principles and Concepts of Economic Development	3 cr.
ECON 3067	Problems and Policies of Economic Development	3 cr.
ECON 3086	The Economics of Income and Wealth	3 cr.
ECON 3087	Selected Canadian Economic Policy Issues	3 cr.
ECON 3126	Introduction to Econometrics	3 cr.
ECON 3127	International Finance	3 cr.
ECON 3226	International Economics	3 cr.
ECON 4005	Research Project in Economics	6 cr.
ECON 4126	Special Topics in Economics I	3 cr.
ECON 4127	Special Topics in Economics II	3 cr.

Marketing Stream

In addition to the six credits of marketing in the core, students must complete 18 credits during their second, third and fourth years of study, as follows:

MKTG 3126	Consumer Behaviour	3 cr.
MKTG 3416	Communications: Advertising and Promotion	3 cr.

MKTG 4406	Applied Marketing Management	3 cr.
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Nine credits from the following:

MKTG 2417	Communications: Selling and Sales Management	3 cr.
MKTG 3206	Sports Marketing	3 cr.
MKTG 3316	Communications: Public Relations	3 cr.
MKTG 3417	International Marketing	3 cr.
MKTG 3436	Social Marketing	3 cr.
MKTG 3437	Product and Brand Management	3 cr.
MKTG 4426	Services Marketing Management	3 cr.
MKTG 4427	Business-to-Business Marketing	3 cr.

Organizational Studies Stream

In addition to the six credits of human resources management in the core, students must complete 18 credits during their second, third and fourth years of study, as follows:

ADMN 2706	Introduction to Intercultural Management	3 cr.
ORGS 3006	Management Practices for Sustainable Business	3 cr.
ORGS 3007	Strategic Corporate Social Responsibility	3 cr.
ORGS 3016	The Evolution of Business: A Comparative Perspective	3 cr.

Six credits from the following:

ADMN 4137	Current Issues in Management	3 cr.
ADMN 4206	International Management	3 cr.
ORGS 2007	Business and Government Relations in Canada	3 cr.
ORGS 2117	Industrial Relations	3 cr.
ORGS 3146	Compensation and Rewards	3 cr.
ORGS 3147	Occupational Health and Safety	3 cr.
ORGS 3246	Human Resources Research and Information Systems	3 cr.
ORGS 3247	Human Resources Planning	3 cr.
ORGS 3307	Gender and Diversity in Organizations	3 cr.
ORGS 3836	Training and Development	3 cr.
ORGS 4706	Organizational Structure and Design	3 cr.
ORGS 4837	Organizational Development and Change	3 cr.

Technology Management Stream

In addition to the six credits of technology management in the core, students must complete 18 credits during their second, third, and fourth years of study, as follows:

TMGT 2106	Systems Analysis and Design	3 cr.
TMGT 3807	Project Management	3 cr.
TMGT 4006	Management of Innovation and Technology	3 cr.

Nine credits from the following:

ACCT 3127	Accounting Information Systems	3 cr.
ACCT 4926	Information Systems Auditing and Assurance	3 cr.
BIOL 2557	Genetics	3 cr.
BIOL 3557	Genetics and Society	3 cr.
CHEM 1006	General Chemistry I	3 cr.
CHEM 1007	General Chemistry II	3 cr.
COSC 1557	Introduction to Computer Science	3 cr.
COSC 1567	Programming in C++	3 cr.
COSC 2767	Object Oriented Programming	3 cr.
COSC 3606	Database Maintenance	3 cr.
ENSC 1005	Introduction to Environmental Science	6 cr.
MATH 1056	Discrete Mathematics I	3 cr.

ORGS 4837	Organizational Development and Change	3 cr.
PHIL 2505	Reasoning and Logical Argument	6 cr.
PHIL 2915	Philosophy of Science	6 cr.
PHYS 1006	General Physics I: Mechanics	3 cr.
PHYS 1007	General Physics II: Mechanical Wave, Fluid Mechanics and Thermodynamics	3 cr.
PSYC 2605	Behavioural Neuroscience	6 cr.
TMGT 2011	Fundamentals of GIS and Computer Mapping	3 cr.
TMGT 3006	Technology, Business and Society	3 cr.
TMGT 3017	Programming for Business	3 cr.
TMGT 3236	Networking in a Business Environment	3 cr.
TMGT 4126	E-Business	3 cr.
TMGT 4417	Current Trends in Technology Management	3 cr.

Bachelor of Commerce (General)

Graduation Requirements

In addition to the program requirements listed below, students must also satisfy the Bachelor of Commerce (General) degree requirements, including regulations on first year and subject maximum and breadth requirements. Please refer to the Degree Requirement section for further information.

Program Requirements

To graduate with a Bachelor of Commerce, students must complete 90 credits, including 45 credits of core requirements as follows:

ACCT 1107	Introductory Financial Accounting II
ADMN 1607	Business Mathematics
ECON 1006	Introduction to Microeconomics
ECON 1007	Introduction to Macroeconomics
MKTG 1126	Marketing Concepts
ORGS 1136	Introduction to Organizational Behaviour
ORGS 1137	Management of Human Resources
MKTG 2127	Marketing for Managers
ACCT 2146	Management of Accounting and Control I
ADMN 2306	Business Ethics
ADMN 2606	Business Statistics
ADMN 3046	Operations Management
ADMN 3116	Financial Management I
TMGT 3856	Information Systems
ADMN 4606	Business Strategy and Policy I

Other Program Requirements

Electives 45 cr.

Note:

- Students without any prior background in accounting will be required to take ACCT 1106 Introductory Financial Accounting I, in preparation for ACCT 1107 Introductory Financial Accounting II.
- Students are limited to no more than 39 credits of advanced standing from the Canadian Securities Institute/Institute of Canadian Bankers courses. Advanced standing for college business diplomas and CSI/ICB courses combined shall not exceed a total of 45 credits.

The Bachelor of Commerce is a 90 credit business degree program for individuals interested in a variety of business areas including a specific focus in financial services. Students electing to focus in financial services may build on specific courses that have already been completed from an accredited post-secondary institution or the Canadian Securities Institute/Institute of Canadian Bankers.

Certificates

Certificate in Financial Services

In addition to core requirements, students in a Bachelor of Commerce may complete a certificate in Financial Services. The certificate consists of 18 credits as outlined below. Students may use 18 credits of electives to satisfy the certificate requirements.

ACCT 2106	Intermediate Accounting I
ADMN 2116	Management of Financial Institutions
ECON 2017	Money, Banking and the Canadian Financial System
ECON 3127	International Financial Management
MKTG 3126	Consumer Behaviour
ORGS 4837	Organizational Development and Change

The iLEAD Business Experience Certificate

The iLEAD Business Experience Certificate will be awarded to Business students (BBA and BComm) at the time of graduation, who as part of their studies, successfully complete 15 credits as follows:

Nine credits from the following:	9 cr.
ADMN 3096	Canadian Academic Internship (iLEAD)
ADMN 3146	International Exchange Study Project (iLEAD)
ADMN 3336	Special Projects (iLEAD)
ADMN 3337	Field Placement I (iLEAD)
ADMN 4336	Directed Studies (iLEAD)
ADMN 4337	Field Placement II (iLEAD)
ADMN 4335	Honours Thesis (iLEAD)
ADMN 4146	Community Organization Internship (iLEAD)
ADMN 4155	International Academic Internship (iLEAD)
ADMN 4165	Intercultural International Internship (iLEAD)
UNIV 2011	Introduction to Community Service-Learning

Plus:

Six credits of upper level Business (ADMN, ACCT, ECON, MKTG, ORGS, and/or TMGT).

Minors in Business Subjects

Business Minors are available to students pursuing a major in a discipline other than business. They are available as a Minor in general business titled “Minor in Business Administration” and by subject as a “Minor in Human Resources”, “Minor in Marketing” and “Minor in Corporate Social Responsibility. Additional detail about each Minor follows:

Minor in Business Administration

A minor in Business Administration must consist of 18 credits from ACCT, ADMN, ECON, MKTG, ORGS, and TMGT courses which include ADMN 1156 Business for Non-Business Majors and at least six credits at 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.

Minor in Human Resources

A minor in Human Resources must consist of 18 credits as follows:

ADMN 1156	Business for Non-Business Majors	3 cr.
ORGS 1136	Introduction to Organizational Behaviour	3 cr.
ORGS 1137	Human Resource Management	3 cr.
ORGS 2117	Industrial Relations	3 cr.

And, six credits from the following: 6 cr.

ORGS 2006	Recruitment and Selection
ORGS 3146	Compensation and Rewards
ORGS 3147	Occupational Health and Safety
ORGS 3246	Human Resources Research and Information Systems
ORGS 3247	Human Resources Planning
ORGS 3836	Training and Development
ACCT 1107	Introductory Financial Accounting
ACCT 2146	Management Accounting and Control I
ACCT 2147	Management Accounting and Control II

Students that continue beyond their minor and complete all 33 of the credits listed above have completed all the coursework required by HRPA in Ontario. Students can then apply for membership and to sit HRPA's national exams based on their undergraduate degree and this coursework completion.

Minor in Marketing

A minor in Marketing must consist of 18 credits as follows:

ADMN 1156	Business for Non-Business Majors
MKTG 1126	Marketing Concepts
MKTG 2127	Marketing for Managers

And, nine other credits from MKTG courses

Minor in Corporate Social Responsibility

A minor in Corporate Social Responsibility must consist of 18 credits as follows:

ADMN 1156	Business for Non-Business Majors	3 cr.
ADMN 2306	Business Ethics	3 cr.
ORGS 3006	Management Practices for Sustainable Business	3 cr.

And, nine credits from the following: 9 cr.

ADMN 2706	Introduction to Intercultural Management
MKTG 3436	Social Marketing
ORGS 3007	Strategic Corporate Social Responsibility
ORGS 3016	The Evolution of Business: Comparative Perspectives
ORGS 3147	Occupational Health and Safety
ORGS 3307	Gender and Diversity in Organizations

Three credits at the upper level from ADMN, ORGS, TMGT or ECON courses

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.

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.

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.

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.

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.

Chemistry

Faculty of Arts and Science

Minor in Chemistry

A Minor in Chemistry is available to students pursuing a program of study in a different discipline. Students will need to achieve a minimum 60% average in the 18 credits presented for the Minor. In addition to the requirements listed below, please refer to the Minor Requirements section.

Students must complete 18 credits in Chemistry as follows:

CHEM 1006	General Chemistry I	3 cr.
CHEM 1007	General Chemistry II	3 cr.
CHEM	Upper level	12 cr.

Note:

- Cross-listed courses may not count towards a Minor in Chemistry.

Cross-Listed Courses

The following courses may be credited towards Chemistry:
BIOL 2206, BIOL 3306, BIOL 4347.

Classical Studies

Bachelor of Arts

Faculty of Arts and Science

This section presents the requirements for the following program options in Classical Studies:

- Honours Specialization
- Specialization
- Major
- Minor

Honours Specialization in Classical Studies

Graduation Requirements

In addition to the program requirements listed below, students must also satisfy the Bachelor of Arts (Honours) degree requirements, which include regulations on first year and subject maximum and breadth requirements.

Program Requirements

- Students will need to achieve a minimum 70% average in the 60 credits presented for the Honours Specialization in Classical Studies.
- Students must complete CLAS 1006 and CLAS 1007 with a minimum grade of 60% in each.

Students must complete 120 credits including 60 credits in the Honours Specialization as follows:

CLAS 1006	Greek Civilization	3 cr.
CLAS 1007	Roman Civilization	3 cr.

Twelve credits from: 12 cr.

CLAS 1106	Introductory Latin I
CLAS 1107	Introductory Latin II
CLAS 2116	Intermediate Latin I: Advanced Latin Grammar
CLAS 2117	Intermediate Latin II: Introduction to Latin Literature

or

CLAS 1206	Introductory Ancient Greek I
CLAS 1207	Introductory Ancient Greek II
CLAS 2216	Intermediate Ancient Greek I: Advanced Greek Grammar
CLAS 2217	Intermediate Ancient Greek II: Introduction to Greek Literature

One of: 3 cr.

CLAS 2416	The History of Ancient Greece: From the Bronze Age to the Death of Cleopatra
CLAS 2417	The History of Ancient Rome: From the Beginning to the Barbarian Invasions

One of: 3 cr.

CLAS 2426	Famous Figures of Ancient Greece
CLAS 2427	Famous Figures of Ancient Rome

Two of: 6 cr.

CLAS 2306	The Greek Historians
CLAS 2307	The Roman Historians
CLAS 2316	Introduction to Ancient Greek Literature in Translation
CLAS 2317	Introduction to Roman Literature in Translation
CLAS 3317	Selected Readings in Roman Literature in Translation
CLAS 3326	Greek Drama and Theatre
CLAS 3327	Roman Comedy

Six Credits of: 6 cr.

CLAS 4416	Topics in Greek History and Culture
CLAS 4427	Honours Seminar in Greek/Roman History and Culture

or

CLAS 4417	Topics in Roman History and Culture
CLAS 4427	Honours Seminar in Greek/Roman History and Culture

or

CLAS 4495	Independent Reading/Research
CLAS	Upper level courses
or courses cross-listed with Classical Studies	
24 cr.	

Breadth Requirements

ACAD 1601	3 cr.
Social Science and/or Professional Studies	6 cr.
Science	6 cr.

Specialization in Classical Studies

Graduation Requirements

In addition to the program requirements listed below, students must also satisfy the Bachelor of Arts (four-year) degree requirements, which include regulations on first year and subject maximum and breadth requirements.

Program Requirements

- Students will need to achieve a minimum 60% average in the 54 credits presented for the Specialization in Classical Studies.
- Students must complete CLAS 1006 and CLAS 1007 with a minimum grade of 60% in each.

Students must complete 120 credits including 54 credits in the Specialization as follows:

CLAS 1006	Greek Civilization	3 cr.
CLAS 1007	Roman Civilization	3 cr.

One of: 3 cr.

CLAS 2416	The History of Ancient Greece: From the Bronze Age to the Death of Cleopatra
CLAS 2417	The History of Ancient Rome: From the Beginning to the Barbarian Invasions

One of: 3 cr.

CLAS 2426	Famous Figures of Ancient Greece
CLAS 2427	Famous Figures of Ancient Rome

Two of: 6 cr.

CLAS 2306	The Greek Historians
CLAS 2307	The Roman Historians
CLAS 2316	Introduction to Ancient Greek Literature in Translation

CLAS 2317	Introduction to Roman Literature in Translation	
CLAS 3317	Selected Readings in Roman Literature in Translation	
CLAS 3326	Greek Drama and Theatre	
CLAS 3327	Roman Comedy	
Two of:		6 cr.
CLAS 2006	Myth and Religion in Ancient Greece	
CLAS 2007	Myth and Religion in Ancient Rome	
CLAS 2406	War and Society in Ancient Greece	
CLAS 2407	War and Society in Ancient Rome	
Three of:		9 cr.
CLAS 3066	Race, Racism, and Ethnic Identity in Ancient Greece and Rome	
CLAS 3096	Women in Ancient Greece	
CLAS 3097	Women in the Roman World	
CLAS 3206	Gender and Sexuality in Greece and Rome	
CLAS 3207	Slavery in the Roman World	
CLAS 3416	Selected Topics in Greek History and Culture	
CLAS 3417	Selected Topics in Roman History and Culture	
CLAS	Upper level courses or courses cross-listed with Classical Studies	21 cr.

Breadth Requirements

ACAD 1601	3 cr.
Social Science and/or Professional Studies	6 cr.
Science	6 cr.

Note:

- Students may substitute Latin and/or Greek courses for upper level courses (total of 12 credits).

Major in Classical Studies**Graduation Requirements**

In addition to the program requirements listed below, students must also satisfy the Bachelor of Arts degree requirements, which include regulations on first year and subject maximum and breadth requirements.

Program Requirements

- Students will need to achieve a minimum 60% average in the 36 credits presented for the Major in Classical Studies.
- Students must complete CLAS 1006 and CLAS 1007 with a minimum grade of 60% in each.

Students must complete 36 credits in the Major as follows:

CLAS 1006	Greek Civilization	3 cr.
CLAS 1007	Roman Civilization	3 cr.
One of:		3 cr.
CLAS 2416	The History of Ancient Greece: From the Bronze Age to the Death of Cleopatra	
CLAS 2417	The History of Ancient Rome: From the Beginning to the Barbarian Invasions	
One of:		3 cr.
CLAS 2426	Famous Figures of Ancient Greece	
CLAS 2427	Famous Figures of Ancient Rome	
Two of:		6 cr.
CLAS 2306	The Greek Historians	
CLAS 2307	The Roman Historians	
CLAS 2316	Introduction to Ancient Greek Literature in Translation	
CLAS 2317	Introduction to Roman Literature in Translation	

CLAS 3317	Selected Readings in Roman Literature in Translation	
CLAS 3326	Greek Drama and Theatre	
CLAS 3327	Roman Comedy	
CLAS	Upper level courses or courses cross-listed with Classical Studies	18 cr.

Breadth Requirements

ACAD 1601	3 cr.
Social Science and/or Professional Studies	6 cr.
Science	6 cr.

Note:

- Students may substitute Latin and/or Greek courses for upper level courses (total of 12 credits).
- Students may complete an Honours BA double major if they obtain an overall average of 70% in each Major, and complete an additional three credits (minimum) at the 4000 level in each Major. Please refer to the Degree Requirement section for further information.

Minor in Classical Studies

A Minor in Classical Studies is available to students pursuing a program of study in a different discipline. Students will need to achieve a minimum 60% average in the 18 credits presented for the Minor. In addition to the requirements listed below, please refer to the Minor Requirements section.

Students must complete 18 credits in Classical Studies as follows:

CLAS 1006	Greek Civilization	3 cr.
CLAS 1007	Roman Civilization	3 cr.
CLAS	Upper level courses	12 cr.

Note:

- Cross-listed courses may not count towards a Minor in Classical Studies.

Cross-Listed Courses

The following courses are cross-listed with Classical Studies and may be applied towards a degree in Classical Studies with the exception of a Minor in Classical Studies: POLI 2106, PHIL 2305, FAVA 1206, HIST 2055

Computer Science

Bachelor of Science and Bachelor of Arts

Faculty of Arts and Science

This section presents the requirements for the following program options in Computer Science:

- Honours Specialization
- Concurrent Education with an Honours Specialization in Computer Science
- Specialization
- Major
- Minor
- Certificate in Game Design and Development

The department of Computer Science and Mathematics also offers a program in Science and Technology. For further details please refer to the Science and Technology area within the Program section.

Computer Science Options for the Honours Specialization (3 credits each)

COSC 1666	Engineering Graphics
COSC 2007	Data Structures II
COSC 2107	Machine Structures II
COSC 2116	Artificial Neural Networks
COSC 2206	Mathematical Computation
COSC 2216	Introduction to Computational Geometry
COSC 2406	Introduction to Game Design and Development
COSC 3006	Numerical Methods I
COSC 3007	Artificial Intelligence
COSC 3017	Introduction to Robotics
COSC 3206	Theory of Computation
COSC 3207	Computer Graphics
COSC 3216	Advanced Computational Geometry
COSC 3307	3D Computer Graphics
COSC 3406	Advanced Game Design and Development
COSC 3407	Systems Control
COSC 3706	The Computing Profession
COSC 3806	Service Computing
COSC 3807	Project Management
COSC 3997	Senior Practicum
COSC 4106	Human Computer Interaction
COSC 4107	Interfacing and Communication
COSC 4127	Real-Time Programming
COSC 4607	Security and Protection
COSC 4896	Honours Research I
COSC 4897	Honours Research II
COSC 4997	Honours Practicum

Computer Science Options for the Specialization and Major (3 credits each)

COSC 1666	Engineering Graphics
COSC 2007	Data Structures II
COSC 2107	Machine Structures II
COSC 2116	Artificial Neural Networks
COSC 2206	Mathematical Computation
COSC 2216	Introduction to Computational Geometry
COSC 2406	Introduction to Game Design and Development
COSC 3006	Numerical Methods I
COSC 3007	Artificial Intelligence
COSC 3017	Introduction to Robotics
COSC 3206	Theory of Computation
COSC 3207	Computer Graphics
COSC 3216	Advanced Computational Geometry
COSC 3307	3D Computer Graphics
COSC 3406	Advanced Game Design and Development
COSC 3407	Systems Control
COSC 3706	The Computing Profession
COSC 3806	Service Computing
COSC 3807	Project Management
COSC 3997	Senior Practicum
COSC 4106	Human Computer Interaction
COSC 4107	Interfacing and Communication
COSC 4127	Real-Time Programming
COSC 4607	Security and Protection

Bachelor of Science

Please note the Bachelor of Science and Bachelor of Arts in Computer Science have different admission requirements. Students wishing to pursue the Bachelor of Science in Computer Science must meet the admission criteria outlined in the Undergraduate Admissions section.

Honours Specialization in Computer Science (BSc)

Graduation Requirements

In addition to the program requirements listed below, students must also satisfy the Bachelor of Science (Honours) degree requirements, which include regulations on first year and subject maximum and breadth requirements.

Program Requirements

- Students will need to achieve a minimum 70% average in the 60 credits presented for the Honours Specialization in Computer Science.

Students must complete 120 credits including 60 credits in the Honours Specialization as follows:

All of the following: 39 cr.

COSC 1557	Introduction to Computer Science
COSC 1567	Programming in C++
COSC 1757	Digital Systems
COSC 2006	Data Structures I
COSC 2106	Machine Structures I
COSC 2667	Operating Systems I
COSC 2767	Object Oriented Programming
COSC 3306	Programming Paradigms
COSC 3606	Databases and Data Management
COSC 3657	Distributed Systems
COSC 4206	Topics in Computer Science
COSC 4207	Seminars in Computer Science
COSC 4406	Software Engineering

Computer Science Options (Honours Specialization list) 6 cr.

All of the following: 15 cr.

MATH 1036	Calculus I
MATH 1037	Calculus II
MATH 1046	Introductory Linear Algebra
MATH 1056	Discrete Mathematics I
MATH 2046	Advanced Linear Algebra

Other Science Requirements

Twelve credits from the following: 12 cr.

BIOL 1006	Introduction to Molecular and Cell Biology
BIOL 1007	Introduction to Organismal and Evolutionary Biology
CHEM 1006	General Chemistry I
CHEM 1007	General Chemistry II
PHYS 1006	General Physics I: Mechanics
PHYS 1007	General Physics II: Mechanical Wave, Fluid Mechanics and Thermodynamics

Breadth Requirements

ACAD 1601	3 cr.
Humanities	3 cr.
Social Science and/or Professional Studies	6 cr.

Concurrent Education (BSc/BEEd) with an Honours Specialization in Computer Science

Faculty of Arts and Science and Schulich School of Education

Graduation Requirements

In addition to the program requirements listed below students must also satisfy the Bachelor of Science (Honours)/Bachelor of

Education (Concurrent) degree requirements. Please refer to the Degree Requirements section.

Program Requirements

- In the 120 credits required for the Bachelor of Science, students will normally take 27 credits in year 1 and year 2, 30 credits in year 3 and year 4, and six credits in year 5. Students must include the following: six credits of PSYC 2006, PSYC 2007 or PSYC 2020; six credits of MATH 1036, MATH 1037, MATH 1046, MATH 1056 or MATH 1070; six credits of Canadian History at the 1000, 2000 or 3000 level (and are restricted to a maximum of 12 credits of 1000 level History); six credits of Geography; and SOCI 2091 and SOCI 2092 (normally taken in year 5). Students are required to take six credits of Humanities. Six credits of English Studies are highly recommended.

Students must complete a minimum of 153 credits (P/J Division) or 156 credits (J/I Division) and a total of 120 credits for a Bachelor of Science degree (honours). The requirements for an Honours Specialization in Computer Science are specified above. The minimum 33 credits (P/J Division) or 36 credits (J/I Division) required for the Bachelor of Education (Concurrent) are as follows:

Year 1

EDUC 1123 (P/J) or EDUC 1013 (J/I) Observation and Practice Teaching I*	1 cr.
EDUC 4102 (P/J) or EDUC 4202 (J/I) Education and Schooling	3 cr.

Year 2

EDUC 2123 (P/J) or EDUC 2013 (J/I) Observation and Practice Teaching II*	1 cr.
EDUC 4112 (P/J) or EDUC 4116 (J/I) Language Arts	3 cr.
EDUC 4434 (P/J) or EDUC 4474 (J/I) Curriculum Methods I	2.5 cr.

Year 3

EDUC 3123 (P/J) or EDUC 3013 (J/I) Observation and Practice Teaching III*	1 cr.
EDUC 4113 (P/J) or EDUC 4117 (J/I) Language Arts	3 cr.
EDUC 4103 (P/J) or EDUC 4203 (J/I) Educational Psychology and Special Education	3 cr.

Year 4

EDUC 4123 (P/J) or EDUC 4013 (J/I) Observation and Practice Teaching IV*	1 cr.
EDUC 4444 (P/J) or EDUC 4484 (J/I) Curriculum Methods II	2.5 cr.

Year 5

EDUC 4133 (P/J) or EDUC 4023 (J/I) Observation and Practice Teaching V* (13 weeks)	3 cr.
EDUC 4244 (P/J) or EDUC 4308 (J/I) Visual Arts	1.5 cr.
EDUC 4254 (P/J) or EDUC 4314 (J/I) Music Education	1.5 cr.
EDUC 4264 (P/J) or EDUC 4324 (J/I) Health and Physical Education	1.5 cr.
EDUC 4274 (P/J) or EDUC 4334 (J/I) Mathematics Education	1.5 cr.
EDUC 4284 (P/J) or EDUC 4344 (J/I) Science Education	1.5 cr.
EDUC 4294 (P/J) or EDUC 4354 (J/I) Social Studies	1.5 cr.

For the Junior/Intermediate Division, students must choose one of the following according to the honours specialization subject: 3 cr.

A minimum overall average of 70% is required in the EDUC courses below, with at least a 60% in each course.

EDUC 4406	English (First Language)(Intermediate)
EDUC 4416	Computer Science (Intermediate)
EDUC 4446	Geography (Intermediate)
EDUC 4456	History (Intermediate)
EDUC 4466	Mathematics (Intermediate)

Note:

- *In order to practice teach in Ontario schools, students must provide a clear criminal reference check.
- Student may choose an option course in Education in each of years 3, or 4 from the following:

EDUC 1526, EDUC 4683, EDUC 4706, EDUC 4707, EDUC 4806, EDUC 4807, EDUC 4816, EDUC 4916, EDUC 4986. Not all option courses are offered every year. The course offerings may vary from year to year.

Specialization in Computer Science (BSc)

Graduation Requirements

In addition to the program requirements listed below, students must also satisfy the Bachelor of Science (four-year) degree requirements, which include regulations on first year and subject maximum and breadth requirements.

Program Requirements

- Students will need to achieve a minimum 60% average in the 54 credits presented for the Specialization in Computer Science.

Students must complete 120 credits including 54 credits in the Specialization as follows:

All of the following:	30 cr.
COSC 1557	Introduction to Computer Science
COSC 1567	Programming in C++
COSC 1757	Digital Systems
COSC 2006	Data Structures I
COSC 2106	Machine Structures I
COSC 2667	Operating Systems I
COSC 2767	Object Oriented Programming
COSC 3306	Programming Paradigms
COSC 3606	Databases and Data Management
COSC 3657	Distributed Systems
Computer Science Options (Specialization and Major list)	9 cr.

All of the following:	15 cr.
MATH 1036	Calculus I
MATH 1037	Calculus II
MATH 1046	Introductory Linear Algebra
MATH 1056	Discrete Mathematics I
MATH 2046	Advanced Linear Algebra

Other Science Requirements

Twelve credits from the following:	12 cr.
BIOL 1006	Introduction to Molecular and Cell Biology
BIOL 1007	Introduction to Organismal and Evolutionary Biology
CHEM 1006	General Chemistry I
CHEM 1007	General Chemistry II

PHYS 1006	General Physics I: Mechanics
PHYS 1007	General Physics II: Mechanical Wave, Fluid Mechanics and Thermodynamics

Breadth Requirements

ACAD 1601	3 cr.
Humanities	3 cr.
Social Science and/or Professional Studies	6 cr.

Major in Computer Science (BSc)**Graduation Requirements**

In addition to the program requirements listed below, students must also satisfy the Bachelor of Science degree requirements, which include regulations on first year and subject maximum and breadth requirements.

Program Requirements

- Students will need to achieve a minimum 60% average in the 36 credits presented for the Major in Computer Science.

Students must complete 36 credits in the Major as follows:

All of the following: 27 cr.

COSC 1557	Introduction to Computer Science
COSC 1567	Programming in C++
COSC 1757	Digital Systems
COSC 2006	Data Structures I
COSC 2106	Machine Structures I
COSC 2667	Operating Systems I
COSC 2767	Object Oriented Programming
COSC 3606	Databases and Data Management
COSC 3657	Distributed Systems

All of the following: 9 cr.

MATH 1036	Calculus I
MATH 1037	Calculus II
MATH 1056	Discrete Mathematics I

Other Science Requirements

Twelve credits from the following: 12 cr.

BIOL 1006	Introduction to Molecular and Cell Biology
BIOL 1007	Introduction to Organismal and Evolutionary Biology
CHEM 1006	General Chemistry I
CHEM 1007	General Chemistry II
GEOL 1006	The Earth's Interior
GEOL 1007	Surficial Geology
PHYS 1006	General Physics I: Mechanics
PHYS 1007	General Physics II: Mechanical Wave, Fluid Mechanics and Thermodynamics

Breadth Requirements

ACAD 1601	3 cr.
Humanities	3 cr.
Social Science and/or Professional Studies	6 cr.

Note:

- Students may complete an Honours BSc double major if they obtain an overall average of 70% in each Major, and complete an additional three credits (minimum) at the 4000 level in each science Major. Please refer to the Degree Requirement section for further information.

Bachelor of Arts

Please note the Bachelor of Science and Bachelor of Arts in Computer Science has different admission requirements. Students wishing to pursue the Bachelor of Arts in Computer Science must meet the admission criteria outlined in the Undergraduate Admissions section.

Honours Specialization in Computer Science (BA)**Graduation Requirements**

In addition to the program requirements listed below, students must also satisfy the Bachelor of Arts (Honours) degree requirements, which include regulations on first year and subject maximum and breadth requirements.

Program Requirements

- Students will need to achieve a minimum 70% average in the 60 credits presented for the Honours Specialization in Computer Science.

Students must complete 120 credits including 60 credits in the Honours Specialization as follows:

All of the following: 39 cr.

COSC 1557	Introduction to Computer Science
COSC 1567	Programming in C++
COSC 1757	Digital Systems
COSC 2006	Data Structures I
COSC 2106	Machine Structures I
COSC 2667	Operating Systems I
COSC 2767	Object Oriented Programming
COSC 3306	Programming Paradigms
COSC 3606	Databases and Data Management
COSC 3657	Distributed Systems
COSC 4206	Topics in Computer Science
COSC 4207	Seminars in Computer Science
COSC 4406	Software Engineering

Computer Science Options (Honours Specialization list) 6 cr.

All of the following: 15 cr.

MATH 1036	Calculus I
MATH 1037	Calculus II
MATH 1046	Introductory Linear Algebra
MATH 1056	Discrete Mathematics I
MATH 2046	Advanced Linear Algebra

Breadth Requirements

ACAD 1601	3 cr.
Humanities	3 cr.
Social Science and/or Professional Studies	6 cr.

Specialization in Computer Science (BA)**Graduation Requirements**

In addition to the program requirements listed below, students must also satisfy the Bachelor of Arts (four-year) degree requirements, which include regulations on first year and subject maximum and breadth requirements.

Program Requirements

- Students will need to achieve a minimum 60% average in the 54 credits presented for the Specialization in Computer Science.

Students must complete 120 credits including 54 credits in the Specialization as follows:

All of the following: 30 cr.

COSC 1557	Introduction to Computer Science
COSC 1567	Programming in C++
COSC 1757	Digital Systems
COSC 2006	Data Structures I
COSC 2106	Machine Structures I
COSC 2667	Operating Systems I
COSC 2767	Object Oriented Programming
COSC 3306	Programming Paradigms
COSC 3606	Databases and Data Management
COSC 3657	Distributed Systems

Computer Science Options 9 cr.
(Specialization and Major list)

All of the following: 15 cr.

MATH 1036	Calculus I
MATH 1037	Calculus II
MATH 1046	Introductory Linear Algebra
MATH 1056	Discrete Mathematics I
MATH 2046	Advanced Linear Algebra

Breadth Requirements

ACAD 1601	3 cr.
Humanities	3 cr.
Social Science and/or Professional Studies	6 cr.

Major in Computer Science (BA)

Graduation Requirements

In addition to the program requirements listed below, students must also satisfy the Bachelor of Arts degree requirements, which include regulations on first year and subject maximum and breadth requirements.

Program Requirements

- Students will need to achieve a minimum 60% average in the 36 credits presented for the Major in Computer Science.

Students must complete 36 credits in the Major as follows:

All of the following: 27 cr.

COSC 1557	Introduction to Computer Science
COSC 1567	Programming in C++
COSC 1757	Digital Systems
COSC 2006	Data Structures I
COSC 2106	Machine Structures I
COSC 2667	Operating Systems I
COSC 2767	Object Oriented Programming
COSC 3606	Databases and Data Management
COSC 3657	Distributed Systems

All of the following: 9 cr.

MATH 1036	Calculus I
MATH 1037	Calculus II
MATH 1056	Discrete Mathematics I

Breadth Requirements

ACAD 1601	3 cr.
Humanities	3 cr.
Social Science and/or Professional Studies	6 cr.

Note:

- Students may complete an Honours BA double major if they obtain an overall average of 70% in each Major, and complete an additional three credits (minimum) at the 4000 level in each Major. Please refer to the Degree Requirement section for further information.

Minor in Computer Science

A Minor in Computer Science is available to students pursuing a program of study in a different discipline. Students will need to achieve a minimum 60% average in the 18 credits presented for the Minor in Computer Science. In addition to the requirements listed below, please refer to the Minor Requirements section.

Students must complete 18 credits in as follows:

COSC 1557	Introduction to Computer Science	3 cr.
COSC 1567	Programming in C++	3 cr.
COSC	Upper level	9 cr.
COSC 3000	or 4000 level	3 cr.

Certificate in Game Design and Development

This certificate will prepare students for employment in industries that require skills in advanced programming, software engineering, design, and algorithm development. It will also provide students with both the theoretical and practical background necessary to design and implement sophisticated game-related computer applications, as well as many other types of software.

In order to be admissible to the certificate students must have completed the following courses: MATH 1037, MATH 1056, COSC 1557, and COSC 1567.

Students must complete 18 credits as outlined below, with at least 12 credits from the group of Core Courses.

In order to complete the Certificate, students must maintain a minimum 60% average on the required 18 credits of Certificate courses.

Core Courses

COSC 2406	Introduction to Game Design and Development	3 cr.
COSC 2767	Object-Oriented Programming	3 cr.
COSC 3207	Computer Graphics	3 cr.
COSC 3307	3D Computer Graphics	3 cr.
COSC 3406	Advanced Game Design and Development	3 cr.

Optional Courses

COSC 2106	Machine Structures I	3 cr.
COSC 2107	Machine Structures II	3 cr.
COSC 2667	Operating Systems I	3 cr.
COSC 3007	Artificial Intelligence	3 cr.
COSC 3706	The Computing Profession	3 cr.
COSC 4406	Software Engineering	3 cr.

This certificate is restricted to students completing a Mathematics or Computer Science program and will be awarded at the time of graduation.

Cross-Listed Courses

The following courses may be credited towards Computer Science: DIGI 2305 and DIGI 2306

Criminal Justice

Faculty of Applied and Professional Studies

This section presents requirements for the following:

- Bachelor of Arts (Honours and Four-year)

Graduation Requirements

In addition to the program requirements listed below, students must also satisfy the Bachelor of Arts degree requirements for Criminal Justice, including regulations on first year and subject maximum and breadth requirements. Please refer to the Degree Requirement for further information.

Program Requirements

- Students completing the Bachelor of Arts in Criminal Justice (Honours) must achieve a minimum average of 70% in the program.
- Students completing the Bachelor of Arts in Criminal Justice (four-year) must achieve a minimum average of 60% in the program.

Students must complete 120 credits including 72 credits in the Criminal Justice program as follows:

CRJS	1087	Introduction to the Canadian Criminal Justice System
CRJS	1206	An Introduction to Canadian Law
SOCI	1016	Introduction to Sociology
PSYC	1106	Introduction to Psychology I
PSYC	1107	Introduction to Psychology II
SOCI	2126	Social Research Methods (formerly SOCI 3126)
SOCI	2127	Social Statistics and Data Analysis (formerly SOCI 3127)
CRJS	2086	Introduction to Criminological Theory
CRJS	3206	Canadian Criminal Law and Criminal Proceedings
CRJS	3086	Law and Society
CRJS	3087	Society, Law and Social Change

Students in the Criminal Justice program must complete one of the following streams, in addition to the required courses listed above.

Note:

- **The block of 30 credits for the Corrections and Policing Streams are offered in collaboration with Canadore College and represent one academic year of study at the college.

Corrections Stream

Students must complete all of the following: 39 cr.

CRJS	2106	Psychology and Law
CRJS	4347	Applied Criminological Theory
Three credits of CRJS 4000 level		
Community and Justice Courses: Canadore**		

Policing Stream

Students must complete all of the following: 39 cr.

CRJS	2106	Psychology and Law
CRJS	4347	Applied Criminological Theory
Three credits of CRJS 4000 level		
Police Foundations Courses: Canadore**		

Criminology Stream

Students must complete all of the following: 39 cr.

SOCI	2016	Classical Sociological Theory
SOCI	2017	Contemporary Sociological Theory
CRJS	3106	Forensic Psychology I
CRJS	3107	Forensic Psychology II
CRJS	4466	Program Policy and Evaluation
CRJS	4467	Advanced Criminological Theories
CRJS	4937	Honours Seminar in Professional Development

*18 credits from the Criminology and Criminal Justice list of stream electives

Criminal Justice Studies Stream

Students must complete all of the following: 39 cr.

SOCI	2016	Classical Sociological Theory
SOCI	2017	Contemporary Sociological Theory
CRJS	2106	Psychology and Law
CRJS	4347	Applied Criminological Theory
Three credits of CRJS 4000 level		

*24 credits from Criminal Justice Studies and Criminology list of stream electives

Legal Studies and Administration Stream

This stream is available only to students with a diploma in a Law Clerk program from an Ontario Community College.

Students must complete all of the following: 9 cr.

CRJS	2106	Psychology and Law
CRJS	2216	Civil Law & Civil Procedure
CRJS	4347	Applied Criminological Theory

* Criminology and Criminal Justice Studies stream electives

ADMN	2307	Commercial Law
CRJS	2216	Civil Law and Civil Procedure
CRJS	2926	An Introduction to Forensic Science
CRJS	3336	Women and the Criminal Justice System
CRJS	3406	Serial and Mass Murder I
CRJS	3407	Serial and Mass Murder II
CRJS	3416	Aboriginal Legal Studies
CRJS	3926	Special Topics in Criminal Justice I
CRJS	3927	Special Topics in Criminal Justice II
CRJS	3936	Youth in Conflict with the Law
CRJS	4105	Honours Thesis
CRJS	4305	Research Project in Criminal Justice
CRJS	4346	Field Placement
CRJS	4916	Policing and Society
CRJS	4917	Criminal Investigation
CRJS	4926	Advanced Topics in Criminal Justice I
CRJS	4927	Advanced Topics in Criminal Justice II
PSYC	2807	Introduction to Social Psychology
PSYC	3606	Psychopathology I
PSYC	3607	Psychopathology II
PSYC	3807	Applied Social Psychology
SOCI	3006	The Sociology of Collective Behaviour
SOCI	4016	Advanced Classical Sociological Theory
SOCI	4127	Applied Multivariate Statistics

Other Requirements:

Humanities	6 cr.
Science	6 cr.
Electives	36 cr.

Note:

- It is recommended that students include ACAD 1601 in their first 30 Nipissing credits. ACAD 1601 will count towards three credits of the Humanities requirements.

Cross-Listed Courses

The following course may be credited towards Criminal Justice: SOCI 3006.

Certificate in Digital Humanities

Faculty of Arts and Science

In order to be admissible to the certificate in Digital Humanities students must have completed a minimum of 30 credits of university study. The certificate consists of 18 credits as outlined below:

All of the following:

DIGI 2305	Introduction to Digital Humanities	6 cr.
DIGI 2306	Introduction to Computing Technologies for the Digital Humanities	3 cr.
DIGI 4006	Project in Digital Humanities	3 cr.
*Electives		6 cr.

* In addition to the required courses, students will need 6 credits of electives. These will be special topics courses designated on a year-by-year basis in a range of disciplines from programmes in the Faculty of Arts and Science. Please consult the Department of Computer Science and Mathematics or the Department of English Studies for further information.

The certificate in Digital Humanities will be awarded at the time of graduation.

Economics

Bachelor of Arts

Faculty of Arts and Science

This section presents the requirements for the following program options in Economics:

- Major
- Minor

Graduation Requirements

In addition to the program requirements listed below, students must also satisfy the Bachelor of Arts degree requirements, including regulations on first year and subject maximum and breadth requirements. Please refer to the Degree Requirement section for further information.

Program Requirements

- Students will need to achieve a minimum 60% average in the 36 credits presented for the Major in Economics.
- Students must complete ECON 1006 and ECON 1007 with a minimum grade of 60% in each.

Students must complete a minimum of 36 credits in Economics as follows:

ECON 1006	Introduction to Microeconomics	3 cr.
ECON 1007	Introduction to Macroeconomics	3 cr.
ECON 1127	Introduction to Mathematics for Economists	3 cr.
ECON 2016	Intermediate Macroeconomic Theory	3 cr.
ECON 2106	Managerial Economics	3 cr.
ECON 2126	Elementary Statistical Methods for Economists	3 cr.
ECON Upper level		18 cr.

Breadth Requirements

ACAD 1601	3 cr.
Humanities	3 cr.
Science	6 cr.

Note:

- Students may complete an Honours BA double major if they obtain an overall average of 70% in each Major, and complete an additional three credits (minimum) at the 4000 level in each Major. Please refer to the Degree Requirement section for further information.

Minor in Economics

A Minor in Economics is available to students pursuing a program of study in a different discipline. Students must achieve a minimum 60% average in the 18 credits presented for the Minor in Economics. In addition to the requirements listed below, please refer to the Minor Requirements section.

A Minor in Economics consists of a minimum of 18 credits of Economics as follows:

ECON 1006	Introduction to Microeconomics	3 cr.
ECON 1007	Introduction to Macroeconomics	3 cr.
ECON Upper level		12 cr.

Education

Schulich School of Education

This section presents the requirements for the following degree and diploma programs:

- Bachelor of Education (BEd) – Consecutive
- Bachelor of Education (BEd) – Concurrent
- Aboriginal Teacher Certification Program
- Native Classroom Assistant Diploma Program
- Native Special Education Assistant Diploma Program
- Teacher of Anishnaabemwin as a Second Language

Note:

- The Schulich School of Education also offers an undergraduate Bachelor of Physical and Health Education degree. Please consult the alphabetical listing of this program in the appropriate section of this Academic Calendar.

iTeach Program

Teacher candidates are provided with opportunities to acquire the skills, knowledge and perspectives required to successfully integrate educational technology (ET) to enhance teaching and learning experiences in 21st century classrooms. Various forms of ET are provided for student access and exploration (interactive whiteboards – SMART/Promethean, digital document cameras, personal response systems – clickers, educational software). The iTeach Program provides students with ongoing professional learning opportunities during both on-campus activities (course work, workshops, drop-in centre support) and off-campus practicum experiences (integrating ET within practice teaching sessions).

The Ontario Certificate of Qualification

Qualified candidates who successfully complete the Bachelor of Education degree programs (Consecutive or Concurrent) will be reported to the Ontario College of Teachers for a Certificate of Qualification and Registration.

Bachelor of Education Degree – Consecutive

The Schulich School of Education offers a one-year consecutive program (after degree program) leading to a Bachelor of Education degree.

Note:

- In order to be admissible to this degree, students must possess or be graduating with an undergraduate degree. Please refer to the Admissions section for further details.

Graduation Requirements

In addition to the program requirements listed below, students must also satisfy the Bachelor of Education degree requirements. Please refer to the Degree Requirement section for further information.

Program (Division) Requirements

Primary and Junior Divisions

Students must complete the following program requirements:

Foundations:

EDUC 4102	Education and Schooling – Primary/Junior
EDUC 4103	Educational Psychology and Special Education – Primary/Junior

Curriculum:

EDUC 4114	Curriculum Studies 1 – Primary/Junior
EDUC 4244	Visual Arts – Primary/Junior
EDUC 4254	Music Education – Primary/Junior
EDUC 4264	Health and Physical Education – Primary/Junior
EDUC 4274	Mathematics Education – Primary/Junior
EDUC 4284	Science Education – Primary/Junior
EDUC 4294	Social Studies – Primary/Junior
EDUC 4454	Curriculum Methods – Primary/Junior

Practicum:

EDUC 4684	Observation and Practice Teaching – Primary/Junior
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Education Option Courses

Students enrolled in the Primary/Junior program may also choose to enrol in an option course in addition to their required course of study. There is an additional tuition charge for these courses (see fees section). Please refer to the Option Course List at the end of the Consecutive Education section.

Junior and Intermediate Divisions

Students must complete the following program requirements:

Foundations:

EDUC 4202	Education and Schooling – Junior/Intermediate
EDUC 4203	Education Psychology and Special Education – Junior/Intermediate

Curriculum:

EDUC 4214	Curriculum Studies 1 – Junior/Intermediate
EDUC 4308	Visual Arts – Junior/Intermediate
EDUC 4314	Music Education – Junior/Intermediate
EDUC 4324	Health and Physical Education – Junior/Intermediate
EDUC 4334	Mathematics Education – Junior/Intermediate
EDUC 4344	Science Education – Junior/Intermediate
EDUC 4354	Social Studies – Junior/Intermediate
EDUC 4464	Curriculum Methods – Junior/Intermediate

Practicum:

EDUC 4694	Observation and Practice Teaching – Junior/Intermediate
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One of the following teaching electives is required for students registering in the Junior/Intermediate Division:

EDUC 4406	English
EDUC 4416	Computer Studies
EDUC 4436	French as a Second Language
EDUC 4446	Geography
EDUC 4456	History
EDUC 4466	Mathematics
EDUC 4476	Health and Physical Education
EDUC 4486	Science I – (General)
EDUC 4496	Visual Arts
EDUC 4516	Music – Instrumental
EDUC 4586	Religious Studies

Education Option Courses

Students enrolled in the Junior/Intermediate program may also choose to enrol in an option course in addition to their required course of study. There is an additional tuition charge for these courses (see fees section). Please refer to the Option Course List at the end of the Consecutive Education section.

Intermediate and Senior Divisions

Students must complete the following program requirements:

Foundations:

EDUC 4306	Education and Schooling – Intermediate/Senior
EDUC 4307	Educational Psychology and Special Education – Intermediate/Senior

Curriculum:

EDUC 4315	Curriculum Methods – Intermediate/Senior
EDUC 4325	Curriculum Development and Evaluation – Intermediate/Senior

Practicum:

EDUC 4355	Observation and Practice Teaching – Intermediate/Senior
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Two subject pairings of the following 3 credit teaching electives are required for students registering in the Intermediate/Senior Division.

Students who wish to take a combination of two Sciences (e.g., EDUC 4487 Science-Biology (Senior) and EDUC 4537 Science-Chemistry (Senior) will be paired with EDUC 4486 Science I and EDUC 4596 Science II. See Course Descriptions that follow.

Intermediate Electives		Senior Electives
EDUC 4406 English	+	EDUC 4407 English
EDUC 4416 Computer Studies	+	EDUC 4417 Computer Studies
EDUC 4326 Business Studies: General	+	EDUC 4327 Business Studies: General
EDUC 4436 French as a Second Language	+	EDUC 4437 French as a Second Language
EDUC 4446 Geography	+	EDUC 4447 Geography
EDUC 4456 History	+	EDUC 4457 History
EDUC 4466 Mathematics	+	EDUC 4467 Mathematics
EDUC 4476 Health and Physical Education	+	EDUC 4477 Health and Physical Education
EDUC 4486 Science I	+	EDUC 4487 Science – Biology
EDUC 4486 Science I	+	EDUC 4506 Science – Physics
EDUC 4486 Science I	+	EDUC 4537 Science – Chemistry
EDUC 4496 Visual Arts	+	EDUC 4497 Visual Arts
EDUC 4516 Music – Instrumental	+	EDUC 4517 Music – Instrumental
EDUC 4586 Religious Studies	+	EDUC 4587 Religious Studies

Education Option Courses

Students enrolled in the Intermediate/Senior program may also choose to enrol in an option course in addition to their required course of study. There is an additional tuition charge for these courses (see fees section). Please refer to the option list below.

Option Courses List

Note:

- Not all option courses are offered every year.
- These courses do not count as Additional Qualification (AQ's) courses.

EDUC 1526	Religious Education in the Roman Catholic Separate Schools.
EDUC 4683	Mental Health Issues in School Populations
EDUC 4706	Kindergarten: Curriculum Theory and Practice
EDUC 4707	Music Education through Technology
EDUC 4806	English Language Learners (ELL/ESL)
EDUC 4807	International Teaching
EDUC 4816	Application of Multimedia Technology in Education
EDUC 4826	Exclusion to Inclusion: Imagination and Creativity in the 21st Century Classroom

- EDUC 4916 Outdoor and Experiential Education
- EDUC 4986 Education of Native Canadians

Bachelor of Education – Concurrent Programs

The Schulich School of Education, in conjunction with the Faculty of Arts and Science, offers concurrent programs leading to a Bachelor of Arts (Honours) degree and a Bachelor of Education or a Bachelor of Science (Honours) degree and a Bachelor of Education.

The concurrent program is offered in the following Arts and Science degree programs: Bachelor of Arts (Honours): English Studies, Geography, History, Mathematics, Psychology, Bachelor of Science (Honours) Mathematics, and in the following education divisions: Primary/Junior division and Junior/Intermediate division. Students in the Junior/Intermediate division must choose one of English Studies, Geography, History or Mathematics as their teachable subject. These programs meet the requirements of the Ontario College of Teachers for teacher certification.

Primary/Junior and Junior/Intermediate Divisions

This section presents requirements for the following:

- Bachelor of Arts (Honours)/Bachelor of Education with an Honours Specialization in the following subjects: English Studies, Geography, History, Mathematics and Psychology.
- Bachelor of Science (Honours)/Bachelor of Education with programs in the following areas: Mathematics

Graduation Requirements

In addition to the program requirements listed below students must also satisfy the Bachelor of Arts (Honours)/Bachelor of Education (Concurrent) or the Bachelor of Science (Honours)/Bachelor of Education degree requirements. Please refer to the Degree Requirement section for further information.

Program Requirements

Note:

- Please refer to the respective program in the Academic Calendar for the requirements of these majors.
- Student may choose an option course in Education in each of years 3 or 4. Please refer to option course list above.

In the 120 credits required for the Bachelor of Arts or Bachelor of Science, students will normally take:

- 27 credits in year 1 and year 2
- 30 credits in year 3 and year 4, and
- six credits in year 5

Students must include the following:

- six credits of PSYC 2006, PSYC 2007 or PSYC 2020
- six credits of MATH 1036, MATH 1037, MATH 1046, MATH 1056 or MATH 1070
- six credits of Canadian History at the 1000, 2000 or 3000 level (and are restricted to a maximum of 12 credits of 1000 level History)
- six credits of Geography; SOCI 2091 and SOCI 2092. SOCI 2091 and SOCI 2092 are normally taken in year 5
- Students are required to take six credits of Humanities. Six credits of English Studies are highly recommended.

In order to practice teach in Ontario schools, students must provide a clear police background check with vulnerable sector screening in each of the 5 academic years.

A minimum overall average of 70% is required in the EDUC courses below, with at least a 60% in each course.

Students must complete a minimum of 153 credits (P/J Division) or 156 credits (J/I Division). The minimum 120 credits required for the Bachelor of Arts or Bachelor of Science is specified in their respective section of the calendar.

The minimum 33 credits (P/J Division) or 36 credits (J/I Division) required for the Bachelor of Education (Concurrent) are as follows:

Year 1

- EDUC 1123 (P/J) or EDUC 1013 (J/I)
Observation and Practice Teaching I
- EDUC 4102 (P/J) or EDUC 4202 (J/I)
Education and Schooling

Year 2

- EDUC 2123 (P/J) or EDUC 2013 (J/I)
Observation and Practice Teaching II
- EDUC 4112 (P/J) or EDUC 4116 (J/I)
Language Arts
- EDUC 4434 (P/J) or EDUC 4474 (J/I)
Curriculum Methods I

Year 3

- EDUC 3123 (P/J) or EDUC 3013 (J/I)
Observation and Practice Teaching III
- EDUC 4113 (P/J) or EDUC 4117 (J/I)
Language Arts
- EDUC 4103 (P/J) or EDUC 4203 (J/I)
Educational Psychology and Special Education

Year 4

- EDUC 4123 (P/J) or EDUC 4013 (J/I)
Observation and Practice Teaching IV
- EDUC 4444 (P/J) or EDUC 4484 (J/I)
Curriculum Methods II

Year 5

- *EDUC 4133 (P/J) or EDUC 4023 (J/I)
Observation and Practice Teaching V
- EDUC 4244 (P/J) or EDUC 4308 (J/I)
Visual Arts
- EDUC 4254 (P/J) or EDUC 4314 (J/I)
Music Education
- EDUC 4264 (P/J) or EDUC 4324 (J/I)
Health and Physical Education
- EDUC 4274 (P/J) or EDUC 4334 (J/I)
Mathematics Education
- EDUC 4284 (P/J) or EDUC 4344 (J/I)
Science Education
- EDUC 4294 (P/J) or EDUC 4354 (J/I)
Social Studies

* This course can only be attempted once and a pass is required for degree completion.

For the Junior/Intermediate Division, students must choose one of the following according to major:

- EDUC 4406 English (Intermediate)
- EDUC 4446 Geography (Intermediate)
- EDUC 4456 History (Intermediate)
- EDUC 4466 Mathematics (Intermediate)

Diploma Programs – Education

Aboriginal Education (Summer Session Programs)

This section presents the requirements for the following:

- Aboriginal Teacher Certification Program
- Teacher of Anishnaabemwin as a Second Language
- Native Classroom Assistant Diploma Program
- Native Special Education Assistant Diploma Program

General Information:

Students registering in the Native Classroom Assistant Diploma Program (NCADP), the Native Special Education Assistant Diploma Program (NSEADP), the Teacher of Anishnaabemwin as a Second Language Program (TASL) or the Aboriginal Teacher Certification Program (ATCP) should contact the Office of the Registrar for application forms.

Aboriginal Teacher Certification Program

The Aboriginal Teacher Certification Program has been designed to prepare people of Aboriginal ancestry for teaching positions in Ontario. This program is offered over two summers.

The Program meets the academic requirements of the Schulich School of Education and leads to a diploma in Education. Graduates are reported 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 educate Aboriginal teachers who will be able to deliver the Ontario elementary school curriculum in combination with traditional values, culture and worldview.

Diploma Requirements

The program consists of two summer sessions to be held at Nipissing University in North Bay, and two in-school internships under a Transitional Certificate of Qualification and Registration.

Part 1

- | | |
|-----------|--|
| EDUC 4146 | Curriculum Studies 1
(Primary/Junior), Part I |
| EDUC 4158 | Curriculum Studies 2
(Primary/Junior), Part I |
| EDUC 4168 | Curriculum Studies 3
(Primary/Junior), Part I |
| EDUC 4178 | Curriculum Methods
(Primary/Junior), Part I |
| EDUC 4186 | Education and Schooling/
Educational Psychology
(Primary/Junior) |

Internship One

Students enrol in EDUC 4664 Observation and Practice Teaching (Primary/Junior).

Students arrange to teach in a Primary/Junior classroom. The Transitional Certificate of Qualification and Registration qualifies students to accept full-time positions in Ontario.

Aboriginal Teacher Certification Program students are required to successfully complete one internship session in each of the primary and junior divisions. For example, if you intern in the junior division during the first session then you must intern in the primary division during your second session.

Part 2

EDUC 4147	Curriculum Studies 1 (Primary/Junior), Part II
EDUC 4159	Curriculum Studies 2 (Primary/Junior), Part II
EDUC 4169	Curriculum Studies 3 (Primary/Junior), Part II
EDUC 4179	Curriculum Methods (Primary/Junior), Part II
EDUC 4187	Education and Schooling/Special Education (Primary/Junior), Part II

Successful students will be reported to the Ontario College of Teachers for a Transitional Certificate of Qualification and Registration.

Internship Two

Students enrol in EDUC 4674 Observation and Practice Teaching (Primary/Junior).

Students arrange to teach in a Primary/Junior classroom.

Aboriginal Teacher Certification Program students are required to successfully complete one internship session in each of the primary and junior divisions. For example, if you intern in the junior division during the first session then you must intern in the primary division during your second session.

The Transitional Certificate of Qualification and Registration qualifies students to accept full-time positions in Ontario.

Successful candidates will be reported to the Ontario College of Teachers for a Certificate of Qualification in the Primary/Junior Division.

Note:

- 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.

Teacher of Anishnaabemwin as a Second Language

The program will prepare fluent speakers of Anishnaabemwin or Nishnaabemwin to teach Ojibwe as a subject to Aboriginal and non-Aboriginal students in the primary, junior, intermediate and senior grades in schools in Ontario. This program leads to a Diploma in Education.

Diploma Requirements

The program consists of three summer sessions to be held at Nipissing University in North Bay, and three in-school under a Transitional Certificate of Qualification and Registration.

Part 1

EDUC 1441	The Ojibwe Curriculum Gr. 1-12 Part 1
EDUC 1442	Ojibwe Methodology, Part 1
EDUC 1443	Education and Schooling/ Educational Psychology/ Special Education, Part 1
EDUC 1444	The Ojibwe Language, Part 1
EDUC 1445	Technology and Learning Materials for Ojibwe 1
EDUC 1446	Ojibwe Team Teaching 1

Successful students will be reported to the Ontario College of Teachers for a Transitional Certificate of Qualification and Registration.

Internship 1

Students enrol in EDUC 1447 Observation and Practice Teaching (Ojibwe) 1.

Students arrange to teach in a school setting under the supervision of an Ojibwe teacher.

Part 2

EDUC 2441	The Ojibwe Curriculum Gr. 1-12, Part 2
EDUC 2442	Ojibwe Methodology, Part 2
EDUC 2443	Education and Schooling/Educational Psychology/Special Education, Part 2
EDUC 2444	The Ojibwe Language, Part 2
EDUC 2445	Technology and Learning Materials for Ojibwe 2
EDUC 2446	Ojibwe Team Teaching 2

Successful students will be reported to the Ontario College of Teachers for an extension of the Transitional Certificate of Qualification and Registration.

Internship 2

Students enrol in EDUC 2447 Observation and Practice Teaching (Ojibwe).

Students arrange to teach in a school setting under the supervision of an Ojibwe teacher.

Part 3

EDUC 3441	The Ojibwe Curriculum Gr. 1-12, Part 3
EDUC 3442	Ojibwe Methodology, Part 3
EDUC 3443	Education and Schooling/Educational Psychology/Special Education, Part 3
EDUC 3444	The Ojibwe Language, Part 3
EDUC 3445	Technology and Learning Materials for Ojibwe 3
EDUC 3446	Ojibwe Team Teaching 3

Internship 3

Students enrol in EDUC 3447 Observation and Practice Teaching (Ojibwe).

Students arrange to teach in a school setting under the supervision of an Ojibwe teacher.

Successful candidates will be reported to the Ontario College of Teachers for a Certificate of Qualification and Registration.

Native Classroom Assistant Diploma Program

The Native Classroom Assistant Diploma Program is a jointly sponsored program of the Schulich School of Education and Aboriginal Affairs and Northern Development Canada. The program consists of three separate summer sessions.

The program is open to persons of Aboriginal ancestry, for the purpose of preparing them as Classroom Assistants. The program consists of three summer sessions.

Part 1

EDUC 1010	NCADP Practicum I
EDUC 1011	Child Development
EDUC 1012	NCADP Primary Methods Part 1
EDUC 1021	Language Arts I
EDUC 1022	NCADP Junior Methods 1
EDUC 1031	Native Culture & Heritage
EDUC 1041	Behaviour Management Support

Part II

EDUC 2011	NCADP Primary Methods II
EDUC 2012	NCADP II Special Education I
EDUC 2021	NCADP Junior Methods II
EDUC 2031	Physical Education I
EDUC 2041	Language Arts II
EDUC 2051	Mathematics
EDUC 2061	Computers I
EDUC 2010	NCADP Practicum II

Part III

EDUC 3011	NCADP Primary Methods III
EDUC 3012	NCADP III Special Education II
EDUC 3021	NCADP Junior Methods III
EDUC 3031	Physical Education II
EDUC 3041	Children's Literature
EDUC 3051	Music & Drama
EDUC 3061	Computers in the Classroom

Successful candidates will receive The Schulich School of Education 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 the Schulich School of Education and Aboriginal Affairs and Northern Development Canada. The program consists of three separate summer sessions.

The program is open to persons of Aboriginal ancestry, for the purpose of preparing them as Special Education Assistants.

Part I

EDUC 1011	Child Development
EDUC 1021	Language Arts I
EDUC 1031	Native Culture & Heritage
EDUC 1041	Behaviour Management Support
EDUC 1110	NSEADP Practicum I
EDUC 1112	NSEADP Methods I
EDUC 1122	NSEADP Methods II

Part II

EDUC 2031	Physical Education I
EDUC 2041	Language Arts II
EDUC 2051	Mathematics
EDUC 2061	Computers I
EDUC 2110	NSEADP Practicum II
EDUC 2111	NSEADP Methods III
EDUC 2112	NSEADP Special Education: Learning Disabilities and the Inclusive Classroom
EDUC 2121	NSEADP Methods IV

Part III

EDUC 3112	NSEADP III Special Education: Behaviour
EDUC 3122	NSEADP III Special Education: The Slow Learner
EDUC 3132	NSEADP III Special Education: Technology and Learning

Successful candidates will receive The Schulich School of Education Native Special Education Assistant Program Diploma upon completion of Part III.

English Studies

*Bachelor of Arts**Faculty of Arts and Science*

This section presents the requirements for the following program options in English Studies:

- Honours Specialization
- Concurrent Education with an Honours Specialization in English Studies
- Specialization
- Major
- Minor

The English Studies Program allows students considerable freedom and flexibility in selecting their courses. Students contemplating graduate work in English are strongly advised to consult with the Department to ensure they have adequate coverage in the traditional periods of literary history. They are also encouraged to acquire a good reading knowledge of another language.

English Studies Courses

Group 1: Literary History and Genre Studies

ENGL 2006	British Literature Before 1800
ENGL 2007	British Literature After 1800
ENGL 2055	Drama: Classical to Contemporary
ENGL 2056	North American Drama
ENGL 2057	World Drama
ENGL 2255	Canadian Literature from the Colonial to the Contemporary Period
ENGL 2265	American Literature from the Colonial to the Contemporary Period
ENGL 2535	Shakespeare
ENGL 2536	Shakespeare Before 1600
ENGL 2537	Shakespeare After 1600
ENGL 3045	Early Modern Literature
ENGL 3095	Restoration and Eighteenth-Century Literature
ENGL 3145	Nineteenth-Century British Literature
ENGL 3175	British Literature after 1900
ENGL 3486	Topics in Genre
ENGL 3487	Topics in Poetic Genres
ENGL 3496	Topics in Dramatic Genres
ENGL 3497	Topics in Prose Genres
ENGL 3525	Rise and Development of the Novel

Group 2: Cultural and Media Studies

ENGL 2116	Texts and Intertexts
ENGL 2127	The Bible as Cultural Text
ENGL 2207	Gender, Literature and Culture
ENGL 2305	Introduction to Digital Culture
ENGL 2445	Children's Literature
ENGL 2605	Cultural Studies
ENGL 3036	Topics in Media Studies
ENGL 3047	Topics in Digital Culture
ENGL 3146	Postcolonial Literature
ENGL 3206	Topics in Women's Writing
ENGL 3217	Topics in Literature, Culture, and Sexuality
ENGL 3617	Popular Fiction
ENGL 3276	Native Literatures of North America
ENGL 3277	Topics in the Native Literatures of North America
ENGL 3606	Popular Culture

Group 3: Language and Rhetoric Studies

ENGL 2015	Theatre Production: Practice and Theory
ENGL 2025	Language and Rhetoric
ENGL 3026	Topics in Language and Rhetoric
ENGL 3035	Literary Theory and Critical Practice
ENGL 3126	Composition: Theory and Practice I
ENGL 3127	Composition: Theory and Practice II
ENGL 3516	Creative Writing: Poetry
ENGL 3517	Creative Writing: Prose Fiction

General Program Information:

Depending on the topic of the Honours Seminars and ENGL 4695 Honours Essay, these courses may be credited toward Group 1, 2, or 3, as approved by the department.

Honours Specialization in English Studies**Graduation Requirements**

In addition to the program requirements listed below, students must also satisfy the Bachelor of Arts (Honours) degree requirements, which include regulations on first year and subject maximum and breadth requirements.

Program Requirements

- Students will need to achieve a minimum 70% average in the 60 credits presented for the Honours Specialization in English Studies.
- Students must complete ENGL 1105 or ENGL 1106 and 1107 with a minimum grade of 60%.

Students must complete 120 credits including 60 credits in the Honours Specialization as follows:

ENGL 1105	Introduction to English Studies	
or		
ENGL 1106 and 1107		6 cr.
Six credits from the following:		6 cr.
ENGL 2006	British Literature Before 1800	
ENGL 2007	British Literature After 1800	
ENGL 2255	Canadian Literature from the Colonial to the Contemporary Period	
ENGL 2265	American Literature from the Colonial to the Contemporary Period	
ENGL Group 1		18 cr.
ENGL Group 2 and/or 3		18 cr.
ENGL Group 1, 2, and/or 3		6 cr.
ENGL 4000-level		6 cr.

Breadth Requirements

ACAD 1601		3 cr.
Social Science and/or Professional Studies		6 cr.
Science		6 cr.

Note:

- An average of at least 70% in the subject is required for enrolment in 4000-level courses.
- A maximum of 30 credits at the 2000 level may be applied to the Honours Specialization.
- A maximum of 6 credits of cross-listed courses may count toward an English Studies Honours Specialization.

Concurrent Education (BA/BEd) with an Honours Specialization in English Studies

Faculty of Arts and Science and Schulich School of Education

Graduation Requirements

In addition to the program requirements listed below students must also satisfy the Bachelor of Arts (Honours)/Bachelor of Education (Concurrent) degree requirements. Please refer to the Degree Requirement section for further information.

Program Requirements

- In the 120 credits required for the Bachelor of Arts or Bachelor of Science, students will normally take 27 credits in year 1 and year 2, 30 credits in year 3 and year 4, and six credits in year 5. Students must include the following: six credits of PSYC 2006, PSYC 2007 or PSYC 2020; six credits of MATH 1036, MATH 1037, MATH 1046, MATH 1056 or MATH 1070; six credits of Canadian History at the 1000, 2000 or 3000 level (and are restricted to a maximum of 12 credits of 1000 level History); six credits of Geography; and SOCI 2091 and SOCI 2092 (normally taken in year 5). Students are required to take six credits of Humanities. Six credits of English Studies are highly recommended.

Students must complete a minimum of 153 credits (P/J Division) or 156 credits (J/I Division) and a total of 120 credits for a Bachelor of Arts degree (Honours). The requirements for an Honours Specialization in English Studies are specified above. The minimum 33 credits (P/J Division) or 36 credits (J/I Division) required for the Bachelor of Education (Concurrent) are as follows:

Year 1

EDUC 1123 (P/J) or EDUC 1013 (J/I)	Observation and Practice Teaching I*	1 cr.
EDUC 4102 (P/J) or EDUC 4202 (J/I)	Education and Schooling	3 cr.

Year 2

EDUC 2123 (P/J) or EDUC 2013 (J/I)	Observation and Practice Teaching II*	1 cr.
EDUC 4112 (P/J) or EDUC 4116 (J/I)	Language Arts	3 cr.
EDUC 4434 (P/J) or EDUC 4474 (J/I)	Curriculum Methods I	2.5 cr.

Year 3

EDUC 3123 (P/J) or EDUC 3013 (J/I)	Observation and Practice Teaching III*	1 cr.
EDUC 4113 (P/J) or EDUC 4117 (J/I)	Language Arts	3 cr.
EDUC 4103 (P/J) or EDUC 4203 (J/I)	Educational Psychology and Special Education	3 cr.

Year 4

EDUC 4123 (P/J) or EDUC 4013 (J/I)	Observation and Practice Teaching IV*	1 cr.
EDUC 4444 (P/J) or EDUC 4484 (J/I)	Curriculum Methods II	2.5 cr.

Year 5

EDUC 4133 (P/J) or EDUC 4023 (J/I)	Observation and Practice Teaching V* (13 weeks)	3 cr.
EDUC 4244 (P/J) or EDUC 4308 (J/I)	Visual Arts	1.5 cr.
EDUC 4254 (P/J) or EDUC 4314 (J/I)	Music Education	1.5 cr.

EDUC 4264 (P/J) or EDUC 4324 (J/I) Health and Physical Education	1.5 cr.
EDUC 4274 (P/J) or EDUC 4334 (J/I) Mathematics Education	1.5 cr.
EDUC 4284 (P/J) or EDUC 4344 (J/I) Science Education	1.5 cr.
EDUC 4294 (P/J) or EDUC 4354 (J/I) Social Studies	1.5 cr.

For the Junior/Intermediate Division, students must choose one of the following according to the honours specialization subject:
3 cr.

A minimum overall average of 70% is required in the EDUC courses below, with at least a 60% in each course.

EDUC 4406	English (First Language) (Intermediate)
EDUC 4416	Computer Science (Intermediate)
EDUC 4446	Geography (Intermediate)
EDUC 4456	History (Intermediate)
EDUC 4466	Mathematics (Intermediate)

Note:

- *In order to practice teach in Ontario schools, students must provide a clear criminal reference check.
- Student may choose an option course in Education in each of years 3, or 4 from the following:

EDUC 1526, EDUC 4683, EDUC 4706, EDUC 4707, EDUC 4806, EDUC 4807, EDUC 4816, EDUC 4916, EDUC 4986. Not all option courses are offered every year. The course offerings may vary from year to year.

Specialization in English Studies

Graduation Requirements

In addition to the program requirements listed below, students must also satisfy the Bachelor of Arts (four-year) degree requirements, which include regulations on first year and subject maximum and breadth requirements.

Program Requirements

- Students will need to achieve a minimum 60% average in the 54 credits presented for the Specialization in English Studies.
- Students must complete ENGL 1105 or ENGL 1106 and 1107 with a minimum grade of 60%.

Students must complete 120 credits including 54 credits in the Specialization as follows:

ENGL 1105	Introduction to English Studies	
or		
ENGL 1106 and 1107		6 cr.
Six credits from the following:		6 cr.
ENGL 2006	British Literature Before 1800	
ENGL 2007	British Literature After 1800	
ENGL 2255	Canadian Literature from the Colonial to the Contemporary Period	
ENGL 2265	American Literature from the Colonial to the Contemporary Period	
ENGL Group 1		18 cr.
ENGL Group 2 and/or 3		18 cr.
ENGL Group 1, 2, and/or 3		6 cr.

Breadth Requirements

ACAD 1601		3 cr.
Social Science and/or Professional Studies		6 cr.
Science		6 cr.

Note:

- A maximum of 30 credits at the 2000 level may be applied to the Specialization.
- A maximum of 6 credits of cross-listed courses may count toward an English Studies Specialization.

Major in English Studies

Graduation Requirements

In addition to the program requirements listed below, students must also satisfy the Bachelor of Arts degree requirements, which include regulations on first year and subject maximum and breadth requirements.

Program Requirements

- Students will need to achieve a minimum 60% average in the 36 credits presented for the Major in English Studies.
- Students must complete ENGL 1105 or ENGL 1106 and 1107 with a minimum grade of 60%.

Students must complete 36 credits in the Major as follows:

ENGL 1105	Introduction to English Studies	
or		
ENGL 1106 and 1107		6 cr.
Six credits from the following:		6 cr.
ENGL 2006	British Literature Before 1800	
ENGL 2007	British Literature After 1800	
ENGL 2255	Canadian Literature from the Colonial to the Contemporary Period	
ENGL 2265	American Literature from the Colonial to the Contemporary Period	
ENGL Upper-level		24 cr.

Breadth Requirements

ACAD 1601		3 cr.
Social Science and/or Professional Studies		6 cr.
Science		6 cr.

Note:

- A maximum of 6 credits of cross-listed courses may count toward an English Studies Major.
- Students may complete an Honours BA double major if they obtain an overall average of 70% in each Major, and complete an additional three credits (minimum) at the 4000 level in each Major. Please refer to the Honours double major degree requirement section for further information.

Minor in English Studies

A Minor in English Studies is available to students pursuing a program of study in a different discipline. Students will need to achieve a minimum 60% average in the 18 credits presented for the Minor in English Studies. In addition to the requirements listed below, please refer to the Minor Requirements section.

Students must complete 18 credits in English Studies as follows:

ENGL 1105	Introduction to English Studies or	
ENGL 1106 and 1107		6 cr.
ENGL Upper-level		12 cr.

Note:

- Cross-listed courses may not count towards a Minor in English Studies.

Cross-Listed Courses

Students may count up to a maximum of six credits from the following list of cross-listed courses towards an English Studies major. Please see specific course descriptions for English Group designation: DIGI 2305, DIGI 2306, CLAS 2316, CLAS 2317, CLAS 3326, CLAS 3327, GEND 2166, GEND 2217, GEND 2305, GEND 3046, RLCT 2126

Environmental Biology and Technology

Faculty of Arts and Science

This section presents requirements for the following:

- Bachelor of Science (Honours)

Graduation Requirements

In addition to the program requirements listed below, students must also satisfy the Bachelor of Science (Honours) degree requirements, including regulations on first year and subject maximum and breadth requirements. Please refer to the Degree Requirement section for further information.

Program Requirements

- Students must complete BIOL 1006, BIOL 1007 and ENSC 1005 with a minimum grade of 60% in each.
- The 18 credits of Electives must include at least six credits from the Humanities and/or Social Sciences (excluding GEOG and JURI) including ACAD 1601.
- 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.
- 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.

**The 30 credits required in Year 2 are offered in collaboration with Canadore College.

Bachelor of Science (Honours) – Single Major

Students must complete 120 credits, including 102 core credits as follows:

Year 1

BIOL 1006	Introduction to Molecular and Cell Biology	3 cr.
BIOL 1007	Introduction to Organismal and Evolutionary Biology	3 cr.
CHEM 1006	General Chemistry I	3 cr.
CHEM 1007	General Chemistry II	3 cr.
ENSC 1005	Introduction to Environmental Science	6 cr.
GEOG 1017	Introduction to Physical Geography	3 cr.
MATH 1257	Technical Statistics	3 cr.
ACAD 1601	Academic Writing	3 cr.
Elective		3 cr.

Year 2

Canadore Courses**		30 cr.
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Year 3

BIOL 2446	Principles of Ecology	3 cr.
BIOL 2337	Biology of Seed Plants	
or		
BIOL 3236	Plant Ecology	3 cr.
BIOL 2836	Invertebrate Zoology	
or		
BIOL 2837	Vertebrate Zoology	3 cr.
BIOL 3117	Biostatistics	3 cr.
Program Options Group I (3000 level)		6 cr.
Program Options Group I or Group II		6 cr.
Electives		6 cr.

Year 4

Program Options Group I (3000 or 4000 level)		9 cr.
Program Options Group I (4000 level)		6 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.

Note:

- This program is currently under consideration for the new degree framework. Please consult the online Academic Calendar (www.nipissingu.ca/calendar) or an academic advisor for program updates.

Environmental Geography

Program information for Environmental Geography can be found in the Geography program section of this Calendar.

Film

Faculty of Arts and Science

Minor in Film

A Minor in Film is available to students pursuing a program of study in a different discipline. Students will need to achieve a minimum 60% average in the 18 credits presented for the Minor. In addition to the requirements listed below, please refer to the Minor Requirements section.

Students must complete 18 credits in Film as follows:

FILM 1005	Introduction to Film	6 cr.
FILM	Upper level	12 cr.

Note:

- Cross-listed courses may not count towards a Minor in Film.

Cross-Listed Courses

The following course may be credited towards Film: PHIL 2405 and RLCT 2205.

Fine Arts

Bachelor of Fine Arts and a *Bachelor of Arts*
Faculty of Arts and Science

This section presents the requirements for the following:

- Bachelor of Fine Arts (Honours)
- Bachelor of Arts
 - Specialization in Fine Arts
 - Major in Fine Arts
 - Minor in Fine Arts

Bachelor of Fine Arts (Honours)

- Studio Arts stream

Graduation Requirements

In addition to the program requirements listed below students must also satisfy the Bachelor of Fine Arts (Honours) degree requirements, including regulations on first year and subject maximum and breadth requirements. Please refer to the Degree Requirement section for further information.

Program Requirements

- Students must achieve a minimum Honours program average of 70%.
- Students must successfully complete a Portfolio Assessment at the end of their third year of study in order to be admitted to the fourth/final year of the BFA (Studio Arts stream). The annual deadline for portfolio submissions is March 1st. If March 1st falls on a weekend or holiday, the deadline will be the next business day. Contact the department for further details.

Students must complete 120 credits with a minimum of 78 credits in Fine Arts as follows:

FAVA 1026	Art Fundamentals I	3 cr.
FAVA 1027	Art Fundamentals II	3 cr.
FAVA 1206	Art History I	3 cr.
FAVA 1207	Art History II	3 cr.
FAVA 2000 level	Art History and Visual Studies	6 cr.
FAVA 2000 level	Studio	18 cr.
FAVA 3000 level	Art History and Visual Studies	6 cr.
FAVA 3000 level	Studio	18 cr.
FAVA 4046	Art and Critical Theory I	3 cr.
FAVA 4047	Art and Critical Theory II	3 cr.
FAVA 4125	Directed Studio Research and Professional Practice	6 cr.
FAVA 4000 level	Studio	6 cr.

Breadth Requirements

ACAD 1601	3 cr.
Social Science and/or Professional Studies Science	6 cr.
Science	6 cr.

Note:

- Cross-listed courses may not be counted towards the BFA Honours (Studio Arts stream).
- In addition to the introductory 1000 level courses, students are encouraged to take up to a maximum of 6 credits of 2000 level studio during their first year of study.

Bachelor of Arts – Fine Arts

This section presents the requirements for the following program options for Fine Arts (BA):

- Specialization
- Major
- Minor

Specialization in Fine Arts (BA)

- Studio Arts stream

Graduation Requirements

In addition to the program requirements listed below, students must also satisfy the Bachelor of Arts (four-year) degree requirements, which include regulations on first year and subject maximum and breadth requirements.

Program Requirements

- Students will need to achieve a minimum 60% average in the 54 credits presented for the Specialization in Fine Arts (Studio Arts stream).

Students must complete 120 credits including 54 credits in the Specialization as follows:

FAVA 1026	Art Fundamentals I	3 cr.
FAVA 1027	Art Fundamentals II	3 cr.
FAVA 1206	Art History I	3 cr.
FAVA 1207	Art History II	3 cr.
FAVA 2000 level	Art History and Visual Studies	6 cr.
FAVA 2000 level	Studio	18 cr.
FAVA 3000 level	Art History and Visual Studies	6 cr.
FAVA 3000 level	Studio	12 cr.

Breadth Requirements

ACAD 1601	3 cr.
Social Science and/or Professional Studies Science	6 cr.
Science	6 cr.

Note:

- In addition to the introductory 1000 level courses, students are encouraged to take up to a maximum of 6 credits of 2000 level studio during their first year of study.
- Cross-listed courses may not be counted towards the Specialization in Fine Arts (Studio Arts stream).

Major in Fine Arts (BA)

- Studio Arts stream
- Art History and Visual Studies stream

Graduation Requirements

In addition to the program requirements listed below, students must also satisfy the Bachelor of Arts degree requirements, which include regulations on first year and subject maximum and breadth requirements.

Program Requirements

- Students will need to achieve a minimum 60% average in the 36 credits presented for the Major in Fine Arts.

Students must complete 36 credits in the Major as follows:

FAVA 1206	Art History I	3 cr.
FAVA 1207	Art History II	3 cr.

In addition to the six credits listed above, students must complete a stream in Studio Arts or Art History and Visual Studies, as outlined below.

Studio Arts stream

In addition to FAVA 1206 and FAVA 1207, students must complete all of the following:

FAVA 1026	Art Fundamentals I	3 cr.
FAVA 1027	Art Fundamentals II	3 cr.
FAVA 2000	level Art History and Visual Studies	6 cr.
FAVA 2000	level Studio	12 cr.
FAVA 3000	level Studio	6 cr.

Note:

- Cross-listed courses may not be counted towards the Major in Fine Arts-Studio Arts stream.
- A Major in Fine Arts is not available for completion in an Honours Double Major.

Art History and Visual Studies stream

In addition to FAVA 1206 and FAVA 1207, students must complete all of the following:

FAVA 2000	level Art History and Visual Studies	12 cr.
FAVA 3000	level Art History and Visual Studies	6 cr.
FAVA 4046	Art and Critical Theory I	3 cr.
FAVA 4047	Art and Critical Theory II	3 cr.
FAVA	Art History & Visual Studies	6 cr.

OR courses cross-listed with the Major in Fine Arts-Art History and Visual Studies stream.

Breadth Requirements

ACAD 1601	3 cr.
Social Science and/or Professional Studies	6 cr.
Science	6 cr.

Note:

- Students may count up to a maximum of six credits of cross-listed courses towards the degree requirements for the Major in Fine Arts- Art History and Visual Studies stream.
- The following courses are cross-listed with the Fine Arts Art History and Visual Studies stream:
ENGL 2605, CLAS 2506, CLAS 2507, ESPA 2705, FILM 1005, FILM 2105, FILM 2845, GEND 2045, GEND 2166, GEND 2217, GEND 2305, GEND 2306, GEND 3046, NATI 2016, NATI 2025, PHIL 2245, PHIL 2405, RLCT 2205
- A Major in Fine Arts is not available for completion in an Honours Double Major.

Minor in Fine Arts

A Minor in Fine Arts is available to students pursuing a program of study in a different discipline. Students will need to achieve a minimum 60% average in the 18 credits presented for the Minor. In addition to the requirements listed below, please refer to the Minor Requirements section.

Minor in Fine Arts (Studio Arts)

Students must complete 18 credits as follows:

FAVA 1026	Art Fundamentals I	3 cr.
FAVA 1027	Art Fundamentals II	3 cr.
FAVA	Upper level Studio	12 cr.

Note:

- Cross-listed courses may not be counted towards a Minor in Fine Arts (Studio Arts).

Minor in Fine Arts (Art History and Visual Studies)

Students must complete 18 credits as follows:

FAVA 1206	Art History I	3 cr.
FAVA 1207	Art History II	3 cr.
FAVA	Upper level Art History and Visual Studies	12 cr.

Note:

- Cross-listed courses may not be counted towards a Minor in Fine Arts (Art History and Visual Studies).

French

Faculty of Arts and Science

Minor in French

A Minor in French is available to students pursuing a program of study in a different discipline. A Minor in French consists of a minimum of 18 credits of upper level French, with a minimum of six credits in French literature. Students must achieve a minimum 60% average in the 18 credits presented for the Minor in French.

In addition to the requirements listed above, please refer to the Minor Requirements section.

Note:

- Prior to taking their first French course, students are required to write the Nipissing University French placement test. This test will evaluate the language competency of students and enable them to enrol in the appropriate language level. Students who have tested at a level equivalent to or greater than FREN 2007 may pursue their French studies in any upper level courses (e.g. FREN 2106, FREN 3006, etc.) The Faculty of Arts and Science French placement test and the French minor are distinct from the French proficiency requirement for admission to the Schulich School of Education. Students should consult the Schulich School of Education for details on those requirements.

Gender Equality and Social Justice

Bachelor of Arts

Faculty of Arts and Science

This section presents the requirements for the following program options in Gender Equality and Social Justice:

- Honours Specialization
- Specialization
- Major
- Minor

Gender Equality and Social Justice Courses**Group 1 Culture and Criticism**

GEND 2026	Makeover Culture
GEND 2045	Women and Art History
GEND 2047	Gender and Social Media
GEND 2056	Selected Topics in Culture and Criticism
GEND 2166	Women, Media and Representation
GEND 2217	Gender and the Media: Themes and Controversies
GEND 2305	Women in Cinema
GEND 2306	Art and Social Justice
GEND 3046	Queer Media

GEND 3055	Selected Topics (Advanced) in Culture and Criticism
GEND 3117	Gender and the Bible
GEND 3205	Philosophy of Sex and Love

Group 2 Power and Inequality

GEND 2006	Gender and Education
GEND 2055	Race, Class and Sexuality
GEND 2066	Race, Colonization and Indigeneity
GEND 2086	Animal Rites
GEND 2155	Selected Topics in Power and Inequality
GEND 2206	Sex, Body, and Identity
GEND 2506	Global Gender Issues
GEND 3026	Women and World Religions I
GEND 3027	Women and World Religions II
GEND 3037	Applied Activism for Gender Equality and Social Justice
GEND 3045	Masculinities
GEND 3047	Deconstructing Nature
GEND 3056	Selected Topics (Advanced) in Power and Inequality
GEND 3066	Canada, Colonization and the Politics of Resistance
GEND 3116	Women and Western Religions
GEND 3407	Gender and Global Politics

Group 3 Human Rights and Social Justice

GEND 2057	Selected Topics in Human Rights and Social Justice
GEND 2146	Law, Power and Justice
GEND 2147	Citizenship and Social Justice
GEND 2157	Case Studies in Gender and the Law
GEND 2187	International Human Rights
GEND 2226	Case Studies in Persecution and Violent Conflict
GEND 2036	Gender and Environmental Justice
GEND 3036	Global Social Movements
GEND 3057	Selected Topics in Human Rights and Social Justice
GEND 3067	HIV/AIDS Health and Social Change
GEND 3127	Gender, Globalization and Human Rights
GEND 3207	The United Nations and the Responsibility to Protect
GEND 3227	Transitional Justice

Honours Specialization in Gender Equality and Social Justice**Graduation Requirements**

In addition to the program requirements listed below, students must also satisfy the Bachelor of Arts (Honours) degree requirements, which include regulations on first year and subject maximum and breadth requirements.

Program Requirements

- Students will need to achieve a minimum 70% average in the 60 credits presented for the Honours Specialization in Gender Equality and Social Justice.
- Students must complete the required 6 credits of introductory GEND with a minimum grade of 60%.

Students must complete 120 credits including 60 credits in the Honours Specialization as follows:

GEND 1000 level	6 cr.
Group 1	6 cr.
Group 2	6 cr.
Group 3	6 cr.
GEND 3306 Theories of Power and Equality	3 cr.

GEND 4005 Honours Essay or GEND 4205 Honours Seminar	6 cr.
GEND upper level courses or courses cross-listed with GEND	27 cr.

Breadth Requirements

ACAD 1601	3 cr.
Humanities	3 cr.
Science	6 cr.

Note:

- A subject average of at least 70% is required for enrolment in 4000 level courses.
- A maximum of 24 credits of cross-listed courses may count towards an Honours Specialization.

Specialization in Gender Equality and Social Justice**Graduation Requirements**

In addition to the program requirements listed below, students must also satisfy the Bachelor of Arts (four-year) degree requirements, which include regulations on first year and subject maximum and breadth requirements.

Program Requirements

- Students will need to achieve a minimum 60% average in the 54 credits presented for the Specialization in Gender Equality and Social Justice.
- Students must complete the required 6 credits of introductory GEND with a minimum grade of 60%.

Students must complete 120 credits including 54 credits in the Specialization as follows:

GEND 1000 level	6 cr.
Group 1	6 cr.
Group 2	6 cr.
Group 3	6 cr.
GEND 3306 Theories of Power and Equality	3 cr.
GEND upper level courses or courses cross-listed with GEND	27 cr.

Breadth Requirements

ACAD 1601	3 cr.
Humanities	3 cr.
Science	6 cr.

Note:

- A subject average of at least 70% is required for enrolment in 4000 level courses.
- A maximum of 18 credits of cross-listed courses may count towards a Specialization.

Major in Gender Equality and Social Justice**Graduation Requirements**

In addition to the program requirements listed below, students must also satisfy the Bachelor of Arts degree requirements, which include regulations on first year and subject maximum and breadth requirements.

Program Requirements

- Students will need to achieve a minimum 60% average in the 36 credits presented for the Major in Gender Equality and Social Justice.
- Students must complete the required 6 credits of introductory GEND with a minimum grade of 60%.

Students must complete 36 credits in the Major as follows:

GEND 1000 level	6 cr.
Group 1	6 cr.
Group 2	6 cr.
Group 3	6 cr.
*GEND upper level courses or courses cross-listed with GEND	12 cr.

Breadth Requirements

ACAD 1601	3 cr.
Humanities	3 cr.
Science	6 cr.

Note:

- A maximum of 12 credits of cross-listed courses may count towards a Major in Gender Equality and Social Justice.
- Students with a subject average of at least 70% can enrol in 4000 level courses.
- Students may complete an Honours BA double major if they obtain an overall average of 70% in each Major, and complete an additional three credits (minimum) at the 4000 level in each Major. Please refer to the Honours double major degree requirement section for further information.
- *Students pursuing the Honours double major must also take GEND 3306.

Minor in Gender Equality and Social Justice

A Minor in Gender Equality and Social Justice is available to students pursuing a program of study in a different discipline. Students will need to achieve a minimum 60% average in the 18 credits presented for the Minor. In addition to the requirements listed below, please refer to the Minor Requirements section.

Students must complete 18 credits in Gender Equality and Social Justice as follows:

GEND 1000 level	6 cr.
GEND upper level	12 cr.

Note:

- Cross-listed courses may not count towards a Minor in Gender Equality and Social Justice.

Cross-Listed Courses

The following courses may be credited towards Gender Equality and Social Justice: CLAS 3096, CLAS 3097, CLAS 3206, CRJS 3336, ENGL 2207, ENGL 3206, ENGL 3217, FAVA 2236, FAVA 2237, FAVA 2346, FAVA 2347, HIST 3136, HIST 3436, HIST 3355, HIST 3936, HIST 3937, ORGS 3307, PHIL 2606, PHIL 2607, PHIL 3205, POLI 3535, RLCT 2056, RLCT 2057, RLCT 3026, RLCT 3306, SWLF 3446, and SWLF 3806.

Cross-listed courses may also require prerequisites in the disciplines concerned. Please see their respective section of the Calendar.

General Science

Faculty of Arts and Science

This discipline is not offered as a degree, but the course in General Science may be credited as an elective in any other degree program.

Geography Programs

Faculty of Arts and Science

This section presents the following program options:

Bachelor of Arts in Geography

- Honours Specialization
- Concurrent Education with an Honours Specialization in English Studies
- Specialization
- Major
- Minor

Bachelor of Science in Environment and Physical Geography

- Honours Specialization
- Specialization
- Major

Bachelor of Arts in Environmental Geography

- Honours Specialization
- Specialization
- Major

Certificates

- Certificate in Geomatics
- Certificate in Environmental Management

Geography

Bachelor of Arts

Faculty of Arts and Science

This section presents the requirements for the following program options in Geography:

- Honours Specialization
- Specialization
- Major
- Minor

Honours Specialization in Geography

Graduation Requirements

In addition to the program requirements listed below, students must also satisfy the Bachelor of Arts (Honours) degree requirements, which include regulations on first year and subject maximum and breadth requirements.

Program Requirements

- Students will need to achieve a minimum 70% average in the 60 credits presented for the Honours Specialization in Geography.
- Students may only count a maximum of 9 credits from Regional Geography towards the program. The list of Regional Geography courses include the following: GEOG 3026, GEOG 3076, GEOG 3406, GEOG 3407, GEOG 3606, GEOG 3706, GEOG 3707, GEOG 3826

Students must complete 120 credits including 60 credits in the Honours Specialization as follows:

All of the following: 12 cr.

GEOG 1016	Introduction to Human Geography
GEOG 1017	Introduction to Physical Geography
GEOG 2017	Introduction to Geomatics
GEOG 2026	Introduction to Quantitative Methods

Twelve credits from the following: 12 cr.

GEOG 2106	Geomorphology
GEOG 2107	Climatology
GEOG 2126	Physical Hydrology
GEOG 2136	Cultural Geography
GEOG 2137	Social Geography
GEOG 2226	Environment and Society

Three credits of Regional Geography 3 cr.

GEOG 3000	level	15 cr.
GEOG 4000	level	18 cr.

Breadth Requirements

ACAD 1601	Humanities	3 cr.
		3 cr.

Note:

- Students must be entering fourth year with a minimum 70% overall average in the subject to enrol in GEOG 4986 or GEOG 4995.
- With permission of the discipline, students may complete either GEOG 4986 or GEOG 4995, but not both, towards their fourth year.
- Students may take 4th year courses in 3rd year with permission of the instructor.

Concurrent Education (BA/BEd) with an Honours Specialization in Geography

Faculty of Arts and Science and Schulich School of Education

Graduation Requirements

In addition to the program requirements listed below students must also satisfy the Bachelor of Arts (Honours)/Bachelor of Education (Concurrent) degree requirements, please refer to that section of the Calendar, including regulations on first year and subject maximum and breadth requirements.

Program Requirements

- In the 120 credits required for the Bachelor of Arts, students will normally take 27 credits in year 1 and year 2, 30 credits in year 3 and year 4, and six credits in year 5. Students must include the following: six credits of PSYC 2006, PSYC 2007 or PSYC 2020; six credits of MATH 1036, MATH 1037, MATH 1046, MATH 1056 or MATH 1070; six credits of Canadian History at the 1000, 2000 or 3000 level (and are restricted to a maximum of 12 credits of 1000 level History); and SOCI 2091 and SOCI 2092 (normally taken in year 5). Students are required to take six credits of Humanities. Six credits of English Studies are highly recommended.

Students must complete a minimum of 153 credits (P/J Division) or 156 credits (J/I Division) and a total of 120 credits for a Bachelor of Arts degree (Honours). The requirements for an Honours Specialization in Geography are specified above.

The minimum 33 credits (P/J Division) or 36 credits (J/I Division) required for the Bachelor of Education (Concurrent) are as follows:

Year 1

EDUC 1123 (P/J) or EDUC 1013 (J/I)	Observation and Practice Teaching I	1 cr.
EDUC 4102 (P/J) or EDUC 4202 (J/I)	Education and Schooling	3 cr.

Year 2

EDUC 2123 (P/J) or EDUC 2013 (J/I)	Observation and Practice Teaching II	1 cr.
EDUC 4112 (P/J) or EDUC 4116 (J/I)	Language Arts	3 cr.
EDUC 4434 (P/J) or EDUC 4474 (J/I)	Curriculum Methods I	2.5 cr.

Year 3

EDUC 3123 (P/J) or EDUC 3013 (J/I)	Observation and Practice Teaching III	1 cr.
EDUC 4113 (P/J) or EDUC 4117 (J/I)	Language Arts	3 cr.
EDUC 4103 (P/J) or EDUC 4203 (J/I)	Educational Psychology and Special Education	3 cr.

Year 4

EDUC 4123 (P/J) or EDUC 4013 (J/I)	Observation and Practice Teaching IV	1 cr.
EDUC 4444 (P/J) or EDUC 4484 (J/I)	Curriculum Methods II	2.5 cr.

Year 5

EDUC 4133 (P/J) or EDUC 4023 (J/I)	Observation and Practice Teaching V (13 weeks)	3 cr.
EDUC 4244 (P/J) or EDUC 4308 (J/I)	Visual Arts	1.5 cr.
EDUC 4254 (P/J) or EDUC 4314 (J/I)	Music Education	1.5 cr.
EDUC 4264 (P/J) or EDUC 4324 (J/I)	Health and Physical Education	1.5 cr.
EDUC 4274 (P/J) or EDUC 4334 (J/I)	Mathematics Education	1.5 cr.
EDUC 4284 (P/J) or EDUC 4344 (J/I)	Science Education	1.5 cr.
EDUC 4294 (P/J) or EDUC 4354 (J/I)	Social Studies	1.5 cr.

For the Junior/Intermediate Division, students must choose one of the following according to the honours specialization subject:3 cr.

A minimum overall average of 70% is required in the EDUC courses below, with at least a 60% in each course.

EDUC 4406	English (First Language) (Intermediate)
EDUC 4416	Computer Science (Intermediate)
EDUC 4446	Geography (Intermediate)
EDUC 4456	History (Intermediate)
EDUC 4466	Mathematics (Intermediate)
GEOG 2026	Introduction to Quantitative Methods

Note:

- *In order to practice teach in Ontario schools, students must provide a clear criminal reference check.
- Student may choose an option course in Education in each of years 3, or 4 from the following:
EDUC 1526, EDUC 4683, EDUC 4706, EDUC 4707, EDUC 4806, EDUC 4807, EDUC 4816, EDUC 4916, EDUC 4986. Not all option courses are offered every year. The course offerings may vary from year to year.

Specialization in Geography

Graduation Requirements

In addition to the program requirements listed below, students must also satisfy the Bachelor of Arts (four-year) degree requirements, which include regulations on first year and subject maximum and breadth requirements.

Program Requirements

- Students will need to achieve a minimum 60% average in the 54 credits presented for the Specialization in Geography.
- Students may only count a maximum of 9 credits from Regional Geography towards the program. The list of Regional Geography courses include the following: GEOG 3026, GEOG 3076, GEOG 3406, GEOG 3407, GEOG 3606, GEOG 3706, GEOG 3707, GEOG 3826

Students must complete 120 credits including 54 credits in the Specialization as follows:

All of the following: 12 cr.

GEOG 1016	Introduction to Human Geography
GEOG 1017	Introduction to Physical Geography
GEOG 2017	Introduction to Geomatics
GEOG 2026	Introduction to Quantitative Methods

Twelve credits from the following: 12 cr.

GEOG 2106	Geomorphology
GEOG 2107	Climatology
GEOG 2126	Physical Hydrology
GEOG 2136	Cultural Geography
GEOG 2137	Social Geography
GEOG 2226	Environment and Society

Three credits of Regional Geography 3 cr.

GEOG 3000 level	15 cr.
GEOG Upper-level	12 cr.

Breadth Requirements

ACAD 1601	3 cr.
Humanities	3 cr.

Note:

- Students must be entering fourth year with a minimum 70% overall average in the subject to enrol in GEOG 4986 or GEOG 4995.
- With permission of the discipline, students may complete either GEOG 4986 or GEOG 4995, but not both, towards their fourth year.
- Students may take 4th year courses in 3rd year with permission of the instructor.

Major in Geography

Graduation Requirements

In addition to the program requirements listed below, students must also satisfy the Bachelor of Arts degree requirements, which include regulations on first year and subject maximum and breadth requirements.

Program Requirements

- Students will need to achieve a minimum 60% average in the 36 credits presented for the Major in Geography.

Students must complete 36 credits in the Major as follows:

All of the following: 9 cr.

GEOG 1016	Introduction to Human Geography
GEOG 1017	Introduction to Physical Geography
GEOG 2017	Introduction to Geomatics

Fifteen credits from the following: 15 cr.

GEOG 2026	Introduction to Quantitative Methods
GEOG 2106	Geomorphology
GEOG 2107	Climatology
GEOG 2126	Physical Hydrology
GEOG 2136	Cultural Geography
GEOG 2137	Social Geography
GEOG 2226	Environment and Society

Three credits of Regional Geography 3 cr.

GEOG 3000 level	9 cr.
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Breadth Requirements

ACAD 1601	3 cr.
Humanities	3 cr.

Note:

- Students may complete an Honours BA double major if they obtain an overall average of 70% in each Major, and complete an additional three credits (minimum) at the 4000 level in each Major. Please refer to the Honours double major degree requirement section for further information.

Minor in Geography

A Minor in Geography is available to students pursuing a program of study in a different discipline. Students will need to achieve a minimum 60% average in the 18 credits presented for the Minor in Geography. In addition to the requirements listed below, please refer to the Minor Requirements section.

Students must complete 18 credits in Geography as follows:

One of the following: 3 cr.

GEOG 1016	Introduction to Human Geography
GEOG 1017	Introduction to Physical Geography
GEOG Upper-level	15 cr.

Environment and Physical Geography

Environment and Physical Geography (BSc)

Bachelor of Science

Faculty of Arts and Science

This section presents the requirements for the following program options in Environment and Physical Geography:

- Honours Specialization
- Specialization
- Major

Honours Specialization in Environment and Physical Geography (BSc)

Graduation Requirements

In addition to the program requirements listed below, students must also satisfy the Bachelor of Science (Honours) degree requirements, which include regulations on first year and subject maximum and breadth requirements.

Program Requirements

- Students will need to achieve a minimum 70% average in the 60 credits presented for the Honours Specialization in Environment and Physical Geography.
- Students may only count a maximum of 9 credits from Regional Geography towards the program. The list of Regional Geography courses include the following: GEOG 3026, GEOG 3076, GEOG 3406, GEOG 3407, GEOG 3606, GEOG 3706, GEOG 3707, GEOG 3826

Students must complete 120 credits including 60 credits in the Honours Specialization as follows:

All of the following:	24 cr.
GEOG 1016 Introduction to Human Geography	
GEOG 1017 Introduction to Physical Geography	
GEOG 2017 Introduction to Geomatics	
GEOG 2026 Introduction to Quantitative Methods	
GEOG 2106 Geomorphology	
GEOG 2107 Climatology	
GEOG 2126 Physical Hydrology	
GEOG 3086 Principles of Biogeography	

Three credits from the following:	3 cr.
GEOG 2136 Cultural Geography	
GEOG 2137 Social Geography	
GEOG 2226 Environment and Society	
GEOG 3000 level	15 cr.
GEOG 4000 level	18 cr.

Other Science Requirements

Three credits from :	3 cr.
GEOL 1006 The Earth’s Interior	
GEOL 1007 Surficial Geology	

Three credits from:	3 cr.
MATH 1036 Calculus I	
MATH 1046 Introductory Linear Algebra	
MATH 1056 Discrete Mathematics	

Twelve credits from the following (not already used to satisfy above): 12 cr.

BIOL 1007 Introduction to Organismal and Evolutionary Biology	
CHEM 1006 General Chemistry I	
CHEM 1007 General Chemistry II	
COSC 1557 Introduction to Computer Science	
COSC 1567 Programming in C++	
COSC 1666 Engineering Graphics	
COSC 1757 Digital Systems	
GEOL 1006 The Earth’s Interior	
GEOL 1007 Surficial Geology	
MATH 1036 Calculus I	
MATH 1046 Introductory Linear Algebra	
MATH 1056 Discrete Mathematics	
PHYS 1006 General Physics I: Mechanics	
PHYS 1007 General Physics II: Mechanical Wave, Fluid Mechanics and Thermodynamics	

Breadth Requirements

ACAD 1601 Humanities	3 cr.
Humanities	3 cr.

Note:

- Students must be entering fourth year with a minimum 70% overall average in the subject to enrol in GEOG 4986 or GEOG 4995.

- With permission of the discipline, students may complete either GEOG 4986 or GEOG 4995, but not both, towards their fourth year.
- Students may take 4th year courses in 3rd year with permission of the instructor.

Specialization in Environment and Physical Geography (BSc)

Graduation Requirements

In addition to the program requirements listed below, students must also satisfy the Bachelor of Science (four-year) degree requirements, which include regulations on first year and subject maximum and breadth requirements.

Program Requirements

- Students will need to achieve a minimum 60% average in the 54 credits presented for the Specialization in Environment and Physical Geography.
- Students may only count a maximum of 9 credits from Regional Geography towards the program. The list of Regional Geography courses include the following: GEOG 3026, GEOG 3076, GEOG 3406, GEOG 3407, GEOG 3606, GEOG 3706, GEOG 3707, GEOG 3826

Students must complete 120 credits including 54 credits in the Specialization as follows:

All of the following:	24 cr.
GEOG 1016 Introduction to Human Geography	
GEOG 1017 Introduction to Physical Geography	
GEOG 2017 Introduction to Geomatics	
GEOG 2026 Introduction to Quantitative Methods	
GEOG 2106 Geomorphology	
GEOG 2107 Climatology	
GEOG 2126 Physical Hydrology	
GEOG 3086 Principles of Biogeography	

Three credits from the following:	3 cr.
GEOG 2136 Cultural Geography	
GEOG 2137 Social Geography	
GEOG 2226 Environment and Society	
GEOG 3000 level	15 cr.
GEOG 4000 level	12 cr.

Other Science Requirements

Three credits from :	3 cr.
GEOL 1006 The Earth’s Interior	
GEOL 1007 Surficial Geology	

Three credits from:	3 cr.
MATH 1036 Calculus I	
MATH 1046 Introductory Linear Algebra	
MATH 1056 Discrete Mathematics	

Twelve credits from the following (not already used to satisfy above): 12 cr.

BIOL 1007 Introduction to Organismal and Evolutionary Biology	
CHEM 1006 General Chemistry I	
CHEM 1007 General Chemistry II	
COSC 1557 Introduction to Computer Science	
COSC 1567 Programming in C++	
COSC 1666 Engineering Graphics	
COSC 1757 Digital Systems	
GEOL 1006 The Earth’s Interior	
GEOL 1007 Surficial Geology	



MATH 1036	Calculus I
MATH 1046	Introductory Linear Algebra
MATH 1056	Discrete Mathematics
PHYS 1006	General Physics I: Mechanics
PHYS 1007	General Physics II: Mechanical Wave, Fluid Mechanics and Thermodynamics

Breadth Requirements

ACAD 1601	3 cr.
Humanities	3 cr.

Note:

- Students must be entering fourth year with a minimum 70% overall average in the subject to enrol in GEOG 4986 or GEOG 4995.
- With permission of the discipline, students may complete either GEOG 4986 or GEOG 4995, but not both, towards their fourth year.
- Students may take 4th year courses in 3rd year with permission of the instructor.

Major in Environment and Physical Geography (BSc)**Graduation Requirements**

In addition to the program requirements listed below, students must also satisfy the Bachelor of Science degree requirements, which include regulations on first year and subject maximum and breadth requirements.

Program Requirements

- Students will need to achieve a minimum 60% average in the 36 credits presented for the Major in Environment and Physical Geography.

Students must complete 36 credits in the Major as follows:

All of the following: 24 cr.

GEOG 1016	Introduction to Human Geography
GEOG 1017	Introduction to Physical Geography
GEOG 2017	Introduction to Geomatics
GEOG 2026	Introduction to Quantitative Methods
GEOG 2106	Geomorphology
GEOG 2107	Climatology
GEOG 2126	Physical Hydrology
GEOG 3086	Principles of Biogeography

Three credits from the following: 3 cr.

GEOG 2136	Cultural Geography
GEOG 2137	Social Geography
GEOG 2226	Environment and Society
GEOG 3000	level

Other Science Requirements

Three credits from : 3 cr.

GEOL 1006	The Earth's Interior
GEOL 1007	Surficial Geology

Three credits from: 3 cr.

MATH 1036	Calculus I
MATH 1046	Introductory Linear Algebra
MATH 1056	Discrete Mathematics

Twelve credits from the following (not already used to satisfy above): 12 cr.

BIOL 1007	Introduction to Organismal and Evolutionary Biology
CHEM 1006	General Chemistry I

CHEM 1007	General Chemistry II
COSC 1557	Introduction to Computer Science
COSC 1567	Programming in C++
COSC 1666	Engineering Graphics
COSC 1757	Digital Systems
GEOL 1006	The Earth's Interior
GEOL 1007	Surficial Geology
MATH 1036	Calculus I
MATH 1046	Introductory Linear Algebra
MATH 1056	Discrete Mathematics
PHYS 1006	General Physics I: Mechanics
PHYS 1007	General Physics II: Mechanical Wave, Fluid Mechanics and Thermodynamics

Breadth Requirements

ACAD 1601	3 cr.
Humanities	3 cr.

Note:

- Students may complete an Honours BSc double major if they obtain an overall average of 70% in each Major, and complete an additional three credits (minimum) at the 4000 level in each Major. Please refer to the Honours double major degree requirement section for further information.

Environmental Geography

Environmental Geography (BA)

Bachelor of Arts

Faculty of Arts and Science

This section presents the requirements for the following program options in Environmental Geography:

- Honours Specialization
- Specialization
- Major

Honours Specialization in Environmental Geography (BA)**Graduation Requirements**

In addition to the program requirements listed below, students must also satisfy the Bachelor of Arts (Honours) degree requirements, which include regulations on first year and subject maximum and breadth requirements.

Program Requirements

- Students will need to achieve a minimum 70% average in the 60 credits presented for the Honours Specialization in Environmental Geography.
- Students may only count a maximum of 9 credits from Regional Geography towards the program. The list of Regional Geography courses include the following: GEOG 3026, GEOG 3076, GEOG 3406, GEOG 3407, GEOG 3606, GEOG 3706, GEOG 3707, GEOG 3826

Students must complete 120 credits including 60 credits in the Honours Specialization as follows:

All of the following: 18 cr.

GEOG 1016	Introduction to Human Geography
GEOG 1017	Introduction to Physical Geography
GEOG 2017	Introduction to Geomatics
GEOG 2026	Introduction to Quantitative Methods

ENSC 1005	Introduction to Environmental Science	
Twelve credits from the following:		12 cr.
GEOG 2106	Geomorphology	
GEOG 2107	Climatology	
GEOG 2126	Physical Hydrology	
GEOG 2136	Cultural Geography	
GEOG 2137	Social Geography	
GEOG 2226	Environment and Society	
GEOG 3000	level	15 cr.
GEOG 4000	level	9 cr.

Six credits from the following:		6 cr.
BIOL 1007	Introduction to Organismal and Evolutionary Biology	
BIOL 2337	The Biology of Seed Plants	
BIOL 2446	Principles of Ecology	
BIOL 2837	Vertebrate Zoology	
ENSC 2006	Topics in Environmental Science I	
ENSC 2007	Topics in Environmental Science II	
ENSC 3006	Environmental Interpretation and Communication	
ENSC 3007	Environmental Issues in Forestry	
NATI 2005	Native Kinship with the Environment	

Breadth Requirements

ACAD 1601	Humanities	3 cr.
		3 cr.

Note:

- Students must be entering fourth year with a minimum 70% overall average in the subject to enrol in GEOG 4986 or GEOG 4995.
- With permission of the discipline, students may complete either GEOG 4986 or GEOG 4995, but not both, towards their fourth year.
- Students may take 4th year courses in 3rd year with permission of the instructor.

Specialization in Environmental Geography (BA)

Graduation Requirements

In addition to the program requirements listed below, students must also satisfy the Bachelor of Arts (four-year) degree requirements, which include regulations on first year and subject maximum and breadth requirements.

Program Requirements

- Students will need to achieve a minimum 60% average in the 54 credits presented for the Specialization in Environmental Geography.
- Students may only count a maximum of 9 credits from Regional Geography towards the program. The list of Regional Geography courses include the following: GEOG 3026, GEOG 3076, GEOG 3406, GEOG 3407, GEOG 3606, GEOG 3706, GEOG 3707, GEOG 3826

Students must complete 120 credits including 54 credits in the Specialization as follows:

All of the following:		18 cr.
GEOG 1016	Introduction to Human Geography	
GEOG 1017	Introduction to Physical Geography	
GEOG 2017	Introduction to Geomatics	
GEOG 2026	Introduction to Quantitative Methods	
ENSC 1005	Introduction to Environmental Science	

Twelve credits from the following:		12 cr.
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GEOG 2106	Geomorphology	
GEOG 2107	Climatology	
GEOG 2126	Physical Hydrology	
GEOG 2136	Cultural Geography	
GEOG 2137	Social Geography	
GEOG 2226	Environment and Society	
GEOG 3000	level	18 cr.

Six credits from the following:		6 cr.
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BIOL 1007	Introduction to Organismal and Evolutionary Biology	
BIOL 2337	The Biology of Seed Plants	
BIOL 2446	Principles of Ecology	
BIOL 2837	Vertebrate Zoology	
ENSC 2006	Topics in Environmental Science I	
ENSC 2007	Topics in Environmental Science II	
ENSC 3006	Environmental Interpretation and Communication	
ENSC 3007	Environmental Issues in Forestry	
NATI 2005	Native Kinship with the Environment	

Breadth Requirements

ACAD 1601	Humanities	3 cr.
		3 cr.

Note:

- Students must be entering fourth year with a minimum 70% overall average in the subject to enrol in GEOG 4986 or GEOG 4995.
- With permission of the discipline, students may complete either GEOG 4986 or GEOG 4995, but not both, towards their fourth year.
- Students may take 4th year courses in 3rd year with permission of the instructor.

Major in Environmental Geography (BA)

Graduation Requirements

In addition to the program requirements listed below, students must also satisfy the Bachelor of Arts degree requirements, which include regulations on first year and subject maximum and breadth requirements.

Program Requirements

- Students will need to achieve a minimum 60% average in the 36 credits presented for the Major in Environmental Geography.

Students must complete 36 credits in the Major as follows:

All of the following:		18 cr.
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GEOG 1016	Introduction to Human Geography	
GEOG 1017	Introduction to Physical Geography	
GEOG 2017	Introduction to Geomatics	
GEOG 2026	Introduction to Quantitative Methods	
ENSC 1005	Introduction to Environmental Science	

Twelve credits from the following:		12 cr.
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GEOG 2106	Geomorphology	
GEOG 2107	Climatology	
GEOG 2126	Physical Hydrology	
GEOG 2136	Cultural Geography	
GEOG 2137	Social Geography	
GEOG 2226	Environment and Society	

Six credits from the following:		6 cr.
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BIOL 1007	Introduction to Organismal and Evolutionary Biology	
BIOL 2337	The Biology of Seed Plants	

BIOL 2446	Principles of Ecology	
BIOL 2837	Vertebrate Zoology	
ENSC 2006	Topics in Environmental Science I	
ENSC 2007	Topics in Environmental Science II	
ENSC 3006	Environmental Interpretation and Communication	
ENSC 3007	Environmental Issues in Forestry	
NATI 2005	Native Kinship with the Environment	

Breadth Requirements

ACAD 1601	Humanities	3 cr.
		3 cr.

Note:

- Students may complete an Honours BA double major if they obtain an overall average of 70% in each Major, and complete an additional three credits (minimum) at the 4000 level in each Major. Please refer to the Honours double major degree requirement section for further information.

Geography Certificates

Note:

- All courses required for the certificate also count towards the respective Honours geography program(s).
- These certificates are restricted to Honours Geography program(s) and will be awarded at the time of graduation.

Certificate in Geomatics

Geomatics is the science and technology of gathering, analyzing, interpreting, distributing and using geographic information. Geomatics encompasses a broad range of disciplines that can be brought together to create a detailed but understandable picture of the physical world and our place in it. These disciplines include: surveying & mapping, remote sensing, geographic information systems (GIS), and global positioning system (GPS)". (Canadian Institute of Geomatics, 1999).

The Certificate in Geomatics provides students with a strong background in geographic information systems, remote sensing, computer cartography and spatial quantitative analysis. The certificate will be offered to four-year Honours geography programs only. The certificate consists of 18 credits as outlined below.

Students must complete the following nine credits:

GEOG 2026	Introduction to Quantitative Methods	3 cr.
GEOG 3056	Spatial Analysis Using GIS	3 cr.
GEOG 3066	Remote Sensing of the Environment	3 cr.

And nine additional credits from the following:

GEOG 3016	Field Techniques in Geography	3 cr.
GEOG 4027	Spatial Computing	3 cr.
GEOG 4057	Topics in GIS Applications	3 cr.
GEOG 4066	Topics in Remote Sensing Applications	3 cr.

Certificate in Environmental Management

This certificate provides students with a strong background in the basic premises, theories and practices associated with environmental management. It also provides students with an insight into the ways in which management can be employed to mitigate a wide range of environmental problems.

Students must complete nine credits from the following: 9 cr.

GEOG 4777	Water Governance
GEOG 4437	Hazards Geography

GEOG 4317	Issues in Global Economic Geography
GEOG 4806	Natural Resource Development in Regional Planning
GEOG 4807	Natural Resource Management

Students must complete nine credits from the following: 9 cr.

ENSC 2007	Topics in Environmental Science II
GEOG 3106	Impact Assessment for Resource Management
GEOG 2226	Environment and Society
GEOG 3436	Earth Resources
HIST 3276	Topics in Environmental History
NATI 2005	Native Kinships in Environment

Geology

Faculty of Arts and Science

This discipline is not offered as a degree, but the courses in Geology may be credited as electives in any other degree program.

Certificate in Health Studies and Gerontology

Faculty of Arts and Science

The Certificate in Health Studies and Gerontology is offered by the Department of Sociology and is available to any graduating student. For complete certificate requirements please refer to the Sociology section.

History

Bachelor of Arts

Faculty of Arts and Science

This section presents the requirements for the following program options in History:

- Honours Specialization
- Concurrent Education with an Honours Specialization in History
- Specialization
- Major
- Minor

Honours Specialization in History**Graduation Requirements**

In addition to the program requirements listed below, students must also satisfy the Bachelor of Arts (Honours) degree requirements, which include regulations on first year and subject maximum and breadth requirements.

Program Requirements

- Students will need to achieve a minimum 70% average in the 60 credits presented for the Honours Specialization in History.
- Students must complete the required 6 credits of introductory History with a minimum grade of 60%.

Students must complete 120 credits including 60 credits in the Honours Specialization as follows:

HIST 1000 level	6 cr.
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HIST 2000 level	12 cr.
HIST 3000 level	30 cr.
HIST 4000 level	12 cr.

Breadth Requirements

ACAD 1601	3 cr.
Humanities	3 cr.
Science	6 cr.

Note:

- Students are limited to a maximum of 12 credits of History at the 1000 level.
- Students may not count cross-listed courses towards the 2000 level HIST requirement.
- Students may count up to a maximum of 12 credits of cross-listed courses towards the 3000 level HIST requirement.
- Students are limited to a maximum of 18 credits at the 4000 level.
- Students must be in the 4th year of a BA4, have completed 30 credits in History, and have a minimum 70% average in History to be admitted to 4000 level HIST courses.
- With permission of the discipline, students may complete either HIST 4015 or HIST 4055, but not both, towards their fourth year requirement.

Concurrent Education (BA/BEd) with an Honours Specialization in History

Faculty of Arts and Science and Schulich School of Education

Graduation Requirements

In addition to the program requirements listed below students must also satisfy the Bachelor of Arts (Honours)/Bachelor of Education (Concurrent) degree requirements. Please refer to the Degree Requirement section for further information.

Note:

- In the 120 credits required for the Bachelor of Arts, students will normally take 27 credits in year 1 and year 2, 30 credits in year 3 and year 4, and six credits in year 5. Students must include the following: six credits of PSYC 2006, PSYC 2007 or PSYC 2020; six credits of MATH 1036, MATH 1037, MATH 1046, MATH 1056 or MATH 1070; six credits of Canadian History at the 1000, 2000 or 3000 level (and are restricted to a maximum of 12 credits of 1000 level History); six credits of Geography; and SOCI 2091 and SOCI 2092 (normally taken in year 5). Students are required to take six credits of Humanities. Six credits of English Studies are highly recommended.

Students must complete a minimum of 153 credits (P/J Division) or 156 credits (J/I Division) and a total of 120 credits for a Bachelor of Arts degree (Honours). The requirements for an Honours Specialization in History are specified above. The minimum 33 credits (P/J Division) or 36 credits (J/I Division) required for the Bachelor of Education (Concurrent) are as follows:

Year 1

EDUC 1123 (P/J) or EDUC 1013 (J/I) Observation and Practice Teaching I*	1 cr.
EDUC 4102 (P/J) or EDUC 4202 (J/I) Education and Schooling	3 cr.

Year 2

EDUC 2123 (P/J) or EDUC 2013 (J/I) Observation and Practice Teaching II*	1 cr.
EDUC 4112 (P/J) or EDUC 4116 (J/I) Language Arts	3 cr.

EDUC 4434 (P/J) or EDUC 4474 (J/I) Curriculum Methods I	2.5 cr.
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Year 3

EDUC 3123 (P/J) or EDUC 3013 (J/I) Observation and Practice Teaching III*	1 cr.
EDUC 4113 (P/J) or EDUC 4117 (J/I) Language Arts	3 cr.
EDUC 4103 (P/J) or EDUC 4203 (J/I) Educational Psychology and Special Education	3 cr.

Year 4

EDUC 4123 (P/J) or EDUC 4013 (J/I) Observation and Practice Teaching IV*	1 cr.
EDUC 4444 (P/J) or EDUC 4484 (J/I) Curriculum Methods II	2.5 cr.

Year 5

EDUC 4133 (P/J) or EDUC 4023 (J/I) Observation and Practice Teaching V* (13 weeks)	3 cr.
EDUC 4244 (P/J) or EDUC 4308 (J/I) Visual Arts	1.5 cr.
EDUC 4254 (P/J) or EDUC 4314 (J/I) Music Education	1.5 cr.
EDUC 4264 (P/J) or EDUC 4324 (J/I) Health and Physical Education	1.5 cr.
EDUC 4274 (P/J) or EDUC 4334 (J/I) Mathematics Education	1.5 cr.
EDUC 4284 (P/J) or EDUC 4344 (J/I) Science Education	1.5 cr.
EDUC 4294 (P/J) or EDUC 4354 (J/I) Social Studies	1.5 cr.

For the Junior/Intermediate Division, students must choose one of the following according to the honours specialization subject:

3 cr.

A minimum overall average of 70% is required in the EDUC courses below, with at least a 60% in each course.

EDUC 4406	English (First Language) (Intermediate)
EDUC 4416	Computer Science (Intermediate)
EDUC 4446	Geography (Intermediate)
EDUC 4456	History (Intermediate)
EDUC 4466	Mathematics (Intermediate)

Note:

- *In order to practice teach in Ontario schools, students must provide a clear criminal reference check.
- Student may choose an option course in Education in each of years 3, or 4 from the following: EDUC 1526, EDUC 4683, EDUC 4706, EDUC 4707, EDUC 4806, EDUC 4807, EDUC 4816, EDUC 4916, EDUC 4986. Not all option courses are offered every year. The course offerings may vary from year to year.

Specialization in History**Graduation Requirements**

In addition to the program requirements listed below, students must also satisfy the Bachelor of Arts (four-year) degree requirements, which include regulations on first year and subject maximum and breadth requirements.

Program Requirements

- Students will need to achieve a minimum 60% average in the 54 credits presented for the Specialization in History.

- Students must complete the required 6 credits of introductory History with a minimum grade of 60%.

Students must complete 120 credits including 54 credits in the Specialization as follows:

HIST 1000 level	6 cr.
HIST 2000 level	12 cr.
HIST 3000 level	36 cr.

Breadth Requirements

ACAD 1601	3 cr.
Humanities	3 cr.
Science	6 cr.

Note:

- Students are limited to a maximum of 12 credits of History at the 1000 level.
- Students may not count cross-listed courses towards the 2000 level HIST requirement.
- Students may count up to a maximum of 12 credits of cross-listed courses towards the 3000 level HIST requirement.

Major in History

Graduation Requirements

In addition to the program requirements listed below, students must also satisfy the Bachelor of Arts degree requirements, which include regulations on first year and subject maximum and breadth requirements.

Program Requirements

- Students will need to achieve a minimum 60% average in the 36 credits presented for the Major in History.
- Students must complete the required 6 credits of introductory History with a minimum grade of 60%.

Students must complete 36 credits in the Major as follows:

HIST 1000 level	6 cr.
HIST 2000 level	12 cr.
HIST 3000 level	18 cr.

Breadth Requirements

ACAD 1601	3 cr.
Humanities	3 cr.
Science	6 cr.

Note:

- Students are limited to a maximum of 12 credits of History at the 1000 level.
- Students may not count cross-listed courses towards the 2000 level HIST requirement.
- Students may count up to a maximum of 12 credits of cross-listed courses towards the 3000 level HIST requirement.
- Students may complete an Honours BA double major if they obtain an overall average of 70% in each Major, and complete an additional three credits (minimum) at the 4000 level in each Major. Please refer to the Honours double major degree requirement section for further information.

Minor in History

A Minor in History is available to students pursuing a program of study in a different discipline. Students will need to achieve a minimum 60% average in the 18 credits presented for the Minor. In addition to the requirements listed below, please refer to the Minor Requirements section.

- Students must complete the required 6 credits of introductory History with a minimum grade of 60%.

Students must complete 18 credits in as follows:

HIST 1000 level	6 cr.
HIST 2000 or 3000 level	12 cr.

Note:

- Students may count up to a maximum of 12 credits of cross-listed courses towards a minor if they have not been used elsewhere to complete program requirements.

Cross-Listed Courses

The following courses may be credited towards History. All upper-level cross-listed courses will be credited at the 3000 level, up to a maximum of 12 credits: CLAS 2306, CLAS 2307, CLAS 2416, CLAS 2417, CLAS 2426, CLAS 2427, CLAS 3066, CLAS 3096, CLAS 3097, CLAS 3206, CLAS 3207, CLAS 3416, CLAS 3417, ESPA 2705, POLI 2106, POLI 2107, POLI 2306, POLI 2307, POLI 2706, POLI 2707, RLCT 2036, RLCT 2037, and SWLF 3007.

Law and Justice

This discipline is not offered as a degree, but the courses in Law and Justice may be credited as electives in any other degree program.

Liberal Arts

Faculty of Arts and Science

This section presents the requirements for the following:

- Bachelor of Arts (Three-year Liberal)

Bachelor of Arts (Liberal)

The Bachelor of Arts (Three-year 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.

Graduation Requirements

In addition to the program requirements listed below students must also satisfy the Bachelor of Arts (Three-year Liberal) degree requirements, including regulations on first year and subject maximum and breadth requirements. Please refer to the Degree Requirement section for further information.

Program Requirements

- Students must obtain a minimum 60% in each of the two Minors.
- Students must refer to specific minors for course selection.
- 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 minors chosen from any of the four groups, with at least one of the two disciplines chosen from Group I or Group II.

Students must successfully complete 90 credits including 18 credits in two Minors as follows:

Minor 1 (Group I or Group II)	18 cr.
Minor 2	18 cr.

Breadth Requirements

ACAD 1601	3 cr.
Science (unless included in the disciplines above)	6 cr.

Liberal Science*Faculty of Arts and Science*

This section presents the requirements for the following:

- Bachelor of Science (Three-year Liberal)

Bachelor of Science (Liberal)**Graduation Requirements**

In addition to the program requirements listed below students must also satisfy the Bachelor of Science (Three-year Liberal) degree requirements, including regulations on first year and subject maximum and breadth requirements. Please refer to the Degree Requirement section for further information.

Program Requirements

- Students must obtain a minimum 60% in each of the two Minors.
- Students must complete 18 credits in each of two science Minors (students must refer to specific minors for course selection).
- Students must complete six credits in each of two of the following disciplines: Chemistry, Mathematics, and Physics.
- Students must complete 54 credits in Science courses chosen from at least three different disciplines;

Students must successfully complete 90 credits including 18 credits in two Minors as follows:

Science Minor 1	18 cr.
Science Minor 2	18 cr.

Six credits from the following:

PHIL 2505	Reasoning and Logical Argument	6 cr.
PHIL 2915	Philosophy of Science	

Other Science Requirements

Science Electives	18 cr.
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Breadth Requirements

ACAD 1601	3 cr.
Humanities, Social Science, and/or Professional Studies	9 cr.

Mathematics*Bachelor of Science and Bachelor of Arts**Faculty of Arts and Science*

This section presents the requirements for the following program options in Mathematics:

- Honours Specialization
- Concurrent Education with an Honours Specialization in Mathematics
- Specialization
- Major
- Minor

- Certificate in Game Design and Development

The department of Computer Science and Mathematics also offers a program in Science and Technology. For further details please refer to the Science and Technology area within the program section.

Mathematics Courses**Core Mathematics Group**

MATH 1036	Calculus I
MATH 1037	Calculus II
MATH 1046	Introductory Linear Algebra
MATH 1056	Discrete Mathematics I
MATH 2036	Advanced Calculus I
MATH 2037	Advanced Calculus II
MATH 2046	Advanced Linear Algebra
MATH 2056	Discrete Mathematics II
MATH 2076	Probability & Statistics I

Group I Pure Mathematics

MATH 2116	Geometry
MATH 3126	Number Theory
MATH 3127	Combinatorics & Graph Theory
MATH 3136	Real Analysis I
MATH 3137	Real Analysis II
MATH 3146	Complex Analysis I
MATH 3156	Algebra I
MATH 3157	Algebra II
MATH 3166	Topology

Group II Applied Mathematics

MATH 2216	Introduction to Computational Geometry
MATH 3216	Advanced Computational Geometry
MATH 3256	Operations Research
MATH 3266	Differential Equations I
MATH 3267	Differential Equations II
MATH 3276	Probability & Statistics II
MATH 3286	Mathematics of Finance
MATH 3296	Mathematical Modeling
COSC 1567	Programming in C++
COSC 2206	Mathematical Computation
COSC 3006	Numerical Methods I

Group III Mathematics Options

MATH 2306	History of Mathematics
MATH 2386	Problem Solving
MATH 3396	Selected Topics I
MATH 3397	Selected Topics II

Group IV Advanced Research Courses

MATH 4016	Numerical Methods II
MATH 4036	Measure Theory
MATH 4086	Functional Analysis
MATH 4246	Optimization
MATH 4496	Research Project I
MATH 4497	Research Project II

Bachelor of Science

Please note the Bachelor of Science and Bachelor of Arts in Mathematics have different admission requirements. Students wishing to pursue the Bachelor of Science in Mathematics must meet the admission criteria outlined in the Undergraduate Admissions section.

Honours Specialization in Mathematics (BSc)**Graduation Requirements**

In addition to the program requirements listed below, students must also satisfy the Bachelor of Science (Honours) degree

requirements, which include regulations on first year and subject maximum and breadth requirements.

Program Requirements

- Students will need to achieve a minimum 70% average in the 60 credits presented for the Honours Specialization in Mathematics.

Students must complete 120 credits including 60 credits in the Honours Specialization as follows:

Core Mathematics Group 27 cr.

Plus one of the following streams:

Pure Mathematics Stream

COSC 1557	Introduction to Computer Science	3 cr.
MATH 2116	Geometry	3 cr.
MATH 3126	Number Theory	3 cr.
MATH 3136	Real Analysis I	3 cr.
MATH 3137	Real Analysis II	3 cr.
MATH 3156	Algebra I	3 cr.
	Groups I, II or III	9 cr.
	Group IV	6 cr.

Applied Mathematics Stream

COSC 1557	Introduction to Computer Science	3 cr.
COSC 1567	Programming in C++	3 cr.
MATH 3127	Combinatorics and Graph Theory	3 cr.
MATH 3156	Algebra I	3 cr.
MATH 3266	Differential Equations I	3 cr.
MATH 3276	Probability & Statistics II	3 cr.
	Group I, II or III	9 cr.
	Group IV	6 cr.

General Stream

COSC 1557	Introduction to Computer Science	3 cr.
COSC 1567	Programming in C++	3 cr.
MATH 3127	Combinatorics and Graph Theory	3 cr.
MATH 3136	Real Analysis I	3 cr.
MATH 3156	Algebra I	3 cr.
MATH 3266	Differential Equations I	3 cr.
	Group I	3 cr.
	Group II	3 cr.
	Group III	3 cr.
	Group IV	6 cr.

Other Science Requirements

	Six credits from the following:	6 cr.
BIOL 1006	Introduction to Molecular and Cell Biology	
BIOL 1007	Introduction to Organismal and Evolutionary Biology	
CHEM 1006	General Chemistry I	
CHEM 1007	General Chemistry II	
PHYS 1006	General Physics I: Mechanics	
PHYS 1007	General Physics II: Mechanical Wave, Fluid Mechanics and Thermodynamics	
PHYS 2006	General Physics III: Electromagnetism	
PHYS 2007	General Physics IV: Optics and Introduction to Modern Physics	

Plus:

	Six credits from the following science disciplines: Biology, Chemistry, Physical/Technique Geography, Geology, Physics	6 cr.
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Breadth Requirements

ACAD 1601		3 cr.
	Humanities	3 cr.
	Social Science and/or Professional Studies	6 cr.

Concurrent Education (BSc/BEd) with an Honours Specialization in Mathematics

Faculty of Arts and Science and Schulich School of Education

Graduation Requirements

In addition to the program requirements listed below students must also satisfy the Bachelor of Science (Honours)/Bachelor of Education (Concurrent) degree requirements. Please refer to the Degree Requirements section.

Program Requirements

- In the 120 credits required for the Bachelor of Science, students will normally take 27 credits in year 1 and year 2, 30 credits in year 3 and year 4, and six credits in year 5. Students must include the following: six credits of PSYC 2006, PSYC 2007 or PSYC 2020; six credits of MATH 1036, MATH 1037, MATH 1046, MATH 1056; six credits of Canadian History at the 1000, 2000 or 3000 level (and are restricted to a maximum of 12 credits of 1000 level History); six credits of Geography; and SOCI 2091 and SOCI 2092 (normally taken in year 5). Students are required to take six credits of Humanities. Six credits of English Studies are highly recommended.

Students must complete a minimum of 153 credits (P/J Division) or 156 credits (J/I Division) and a total of 120 credits for a Bachelor of Science degree (honours). The requirements for an Honours Specialization in Mathematics are specified above. The minimum 33 credits (P/J Division) or 36 credits (J/I Division) required for the Bachelor of Education (Concurrent) are as follows:

Year 1

EDUC 1123 (P/J) or EDUC 1013 (J/I)	Observation and Practice Teaching I*	1 cr.
EDUC 4102 (P/J) or EDUC 4202 (J/I)	Education and Schooling	3 cr.

Year 2

EDUC 2123 (P/J) or EDUC 2013 (J/I)	Observation and Practice Teaching II*	1 cr.
EDUC 4112 (P/J) or EDUC 4116 (J/I)	Language Arts	3 cr.
EDUC 4434 (P/J) or EDUC 4474 (J/I)	Curriculum Methods I	2.5 cr.

Year 3

EDUC 3123 (P/J) or EDUC 3013 (J/I)	Observation and Practice Teaching III*	1 cr.
EDUC 4113 (P/J) or EDUC 4117 (J/I)	Language Arts	3 cr.
EDUC 4103 (P/J) or EDUC 4203 (J/I)	Educational Psychology and Special Education	3 cr.

Year 4

EDUC 4123 (P/J) or EDUC 4013 (J/I)	Observation and Practice Teaching IV*	1 cr.
EDUC 4444 (P/J) or EDUC 4484 (J/I)	Curriculum Methods II	2.5 cr.

Year 5

EDUC 4133 (P/J) or EDUC 4023 (J/I)	Observation and Practice Teaching V* (13 weeks)	3 cr.
EDUC 4244 (P/J) or EDUC 4308 (J/I)	Visual Arts	1.5 cr.
EDUC 4254 (P/J) or EDUC 4314 (J/I)	Music Education	1.5 cr.

EDUC 4264 (P/J) or EDUC 4324 (J/I) Health and Physical Education	1.5 cr.
EDUC 4274 (P/J) or EDUC 4334 (J/I) Mathematics Education	1.5 cr.
EDUC 4284 (P/J) or EDUC 4344 (J/I) Science Education	1.5 cr.
EDUC 4294 (P/J) or EDUC 4354 (J/I) Social Studies	1.5 cr.

For the Junior/Intermediate Division, students must choose one of the following according to the honours specialization subject:
3 cr.

A minimum overall average of 70% is required in the EDUC courses below, with at least a 60% in each course.

EDUC 4406	English (First Language)(Intermediate)
EDUC 4416	Computer Science (Intermediate)
EDUC 4446	Geography (Intermediate)
EDUC 4456	History (Intermediate)
EDUC 4466	Mathematics (Intermediate)

Note:

- *In order to practice teach in Ontario schools, students must provide a clear criminal reference check.
- Student may choose an option course in Education in each of years 3, or 4 from the following:

EDUC 1526, EDUC 4683, EDUC 4706, EDUC 4707, EDUC 4806, EDUC 4807, EDUC 4816, EDUC 4916, EDUC 4986.
Not all option courses are offered every year. The course offerings may vary from year to year.

Specialization in Mathematics (BSc)

Graduation Requirements

In addition to the program requirements listed below, students must also satisfy the Bachelor of Science (four-year) degree requirements, which include regulations on first year and subject maximum and breadth requirements.

Program Requirements

- Students will need to achieve a minimum 60% average in the 54 credits presented for the Specialization in Mathematics.

Students must complete 120 credits including 54 credits in the Specialization as follows:

Core Mathematics Group	27 cr.
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Plus one of the following streams:

Pure Mathematics Stream

COSC 1557	Introduction to Computer Science	3 cr.
MATH 2116	Geometry	3 cr.
MATH 3126	Number Theory	3 cr.
MATH 3136	Real Analysis I	3 cr.
MATH 3137	Real Analysis II	3 cr.
MATH 3156	Algebra I	3 cr.
	Groups I, II or III	9 cr.

Applied Mathematics Stream

COSC 1557	Introduction to Computer Science	3 cr.
COSC 1567	Programming in C++	3 cr.
MATH 3127	Combinatorics and Graph Theory	3 cr.
MATH 3156	Algebra I	3 cr.
MATH 3266	Differential Equations I	3 cr.
MATH 3276	Probability & Statistics II	3 cr.
	Group I, II or III	9 cr.

General Stream

COSC 1557	Introduction to Computer Science	3 cr.
COSC 1567	Programming in C++	3 cr.
MATH 3127	Combinatorics and Graph Theory	3 cr.
MATH 3136	Real Analysis I	3 cr.
MATH 3156	Algebra I	3 cr.
MATH 3266	Differential Equations I	3 cr.
	Group I	3 cr.
	Group II	3 cr.
	Group III	3 cr.

Other Science Requirements

Six credits from the following:		6 cr.
BIOL 1006	Introduction to Molecular and Cell Biology	
BIOL 1007	Introduction to Organismal and Evolutionary Biology	
CHEM 1006	General Chemistry I	
CHEM 1007	General Chemistry II	
PHYS 1006	General Physics I: Mechanics	
PHYS 1007	General Physics II: Mechanical Wave, Fluid Mechanics and Thermodynamics	
PHYS 2006	General Physics III: Electromagnetism	
PHYS 2007	General Physics IV: Optics and Introduction to Modern Physics	

Plus:

Six credits from the following science disciplines:	6 cr.
Biology, Chemistry, Physical/Technique Geography, Geology, Physics	

Breadth Requirements

ACAD 1601	3 cr.
Humanities	3 cr.
Social Science and/or Professional Studies	6 cr.

Major in Mathematics (BSc)

Graduation Requirements

In addition to the program requirements listed below, students must also satisfy the Bachelor of Science degree requirements, which include regulations on first year and subject maximum and breadth requirements.

Program Requirements

- Students will need to achieve a minimum 60% average in the 36 credits presented for the Major in Mathematics.

Students must complete 36 credits in the Major as follows:

Core Mathematics Group	27 cr.
MATH 3000 level from Groups I, II or III	9 cr.

Other Science Requirements

Six credits from the following:		6 cr.
BIOL 1006	Introduction to Molecular and Cell Biology	
BIOL 1007	Introduction to Organismal and Evolutionary Biology	
CHEM 1006	General Chemistry I	
CHEM 1007	General Chemistry II	
PHYS 1006	General Physics I: Mechanics	
PHYS 1007	General Physics II: Mechanical Wave, Fluid Mechanics and Thermodynamics	
PHYS 2006	General Physics III: Electromagnetism	
PHYS 2007	General Physics IV: Optics and Introduction to Modern Physics	

Plus:

Six credits from the following science disciplines:	6 cr.
Biology, Chemistry, Physical/Technique Geography, Geology, Physics	

Breadth Requirements

ACAD 1601	3 cr.
Humanities	3 cr.
Social Science and/or Professional Studies	6 cr.

Note:

- Students may complete an Honours BSc double major if they obtain an overall average of 70% in each Major, and complete an additional three credits (minimum) at the 4000 level in each Science Major. Please refer to the Degree Requirement section for further information.

Bachelor of Arts

Please note the Bachelor of Science and Bachelor of Arts in Mathematics have different admission requirements. Students wishing to pursue the Bachelor of Arts in Mathematics must meet the admission criteria outlined in the Undergraduate Admissions section.

Honours Specialization in Mathematics (BA)**Graduation Requirements**

In addition to the program requirements listed below, students must also satisfy the Bachelor of Arts (Honours) degree requirements, which include regulations on first year and subject maximum and breadth requirements.

Program Requirements

- Students will need to achieve a minimum 70% average in the 60 credits presented for the Honours Specialization in Mathematics.

Students must complete 120 credits including 60 credits in the Honours Specialization as follows:

Core Mathematics Group	27 cr.
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Plus one of the following streams:

Pure Mathematics Stream

COSC 1557	Introduction to Computer Science	3 cr.
MATH 2116	Geometry	3 cr.
MATH 3126	Number Theory	3 cr.
MATH 3136	Real Analysis I	3 cr.
MATH 3137	Real Analysis II	3 cr.
MATH 3156	Algebra I	3 cr.
Groups I, II, or III		9 cr.
Group IV		6 cr.

Applied Mathematics Stream

COSC 1557	Introduction to Computer Science	3 cr.
COSC 1567	Programming in C++	3 cr.
MATH 3127	Combinatorics and Graph Theory	3 cr.
MATH 3156	Algebra I	3 cr.
MATH 3266	Differential Equations I	3 cr.
MATH 3276	Probability & Statistics II	3 cr.
Group I, II or III		9 cr.
Group IV		6 cr.

General Stream

COSC 1557	Introduction to Computer Science	3 cr.
COSC 1567	Programming in C++	3 cr.
MATH 3127	Combinatorics and Graph Theory	3 cr.
MATH 3136	Real Analysis I	3 cr.
MATH 3156	Algebra I	3 cr.
MATH 3266	Differential Equations I	3 cr.
Group I		3 cr.
Group II		3 cr.

Group III	3 cr.
Group IV	6 cr.

Breadth Requirements

ACAD 1601	3 cr.
Humanities	3 cr.
Social Science and/or Professional Studies	6 cr.

Concurrent Education (BA/BE) with an Honours Specialization in Mathematics**Graduation Requirements**

In addition to the program requirements listed below students must also satisfy the Bachelor of Arts (Honours)/Bachelor of Education (Concurrent) degree requirements. Please refer to the Degree Requirements section.

Program Requirements

- In the 120 credits required for the Bachelor of Arts, students will normally take 27 credits in year 1 and year 2, 30 credits in year 3 and year 4, and six credits in year 5. Students must include the following: six credits of PSYC 2006, PSYC 2007 or PSYC 2020; six credits of MATH 1036, MATH 1037, MATH 1046, MATH 1056; six credits of Canadian History at the 1000, 2000 or 3000 level (and are restricted to a maximum of 12 credits of 1000 level History); six credits of Geography; and SOCI 2091 and SOCI 2092 (normally taken in year 5). Students are required to take six credits of Humanities. Six credits of English Studies are highly recommended.

Students must complete a minimum of 153 credits (P/J Division) or 156 credits (J/I Division) and a total of 120 credits for a Bachelor of Arts degree (honours). The requirements for an Honours Specialization in Mathematics are specified above. The minimum 33 credits (P/J Division) or 36 credits (J/I Division) required for the Bachelor of Education (Concurrent) are as follows:

Year 1

EDUC 1123 (P/J) or EDUC 1013 (J/I)	Observation and Practice Teaching I*	1 cr.
EDUC 4102 (P/J) or EDUC 4202 (J/I)	Education and Schooling	3 cr.

Year 2

EDUC 2123 (P/J) or EDUC 2013 (J/I)	Observation and Practice Teaching II*	1 cr.
EDUC 4112 (P/J) or EDUC 4116 (J/I)	Language Arts	3 cr.
EDUC 4434 (P/J) or EDUC 4474 (J/I)	Curriculum Methods I	2.5 cr.

Year 3

EDUC 3123 (P/J) or EDUC 3013 (J/I)	Observation and Practice Teaching III*	1 cr.
EDUC 4113 (P/J) or EDUC 4117 (J/I)	Language Arts	3 cr.
EDUC 4103 (P/J) or EDUC 4203 (J/I)	Educational Psychology and Special Education	3 cr.

Year 4

EDUC 4123 (P/J) or EDUC 4013 (J/I)	Observation and Practice Teaching IV*	1 cr.
EDUC 4444 (P/J) or EDUC 4484 (J/I)	Curriculum Methods II	2.5 cr.

Year 5

EDUC 4133 (P/J) or EDUC 4023 (J/I) Observation and Practice Teaching V* (13 weeks)	3 cr.
EDUC 4244 (P/J) or EDUC 4308 (J/I) Visual Arts	1.5 cr.
EDUC 4254 (P/J) or EDUC 4314 (J/I) Music Education	1.5 cr.
EDUC 4264 (P/J) or EDUC 4324 (J/I) Health and Physical Education	1.5 cr.
EDUC 4274 (P/J) or EDUC 4334 (J/I) Mathematics Education	1.5 cr.
EDUC 4284 (P/J) or EDUC 4344 (J/I) Science Education	1.5 cr.
EDUC 4294 (P/J) or EDUC 4354 (J/I) Social Studies	1.5 cr.

For the Junior/Intermediate Division, students must choose one of the following according to the honours specialization subject:3 cr.

A minimum overall average of 70% is required in the EDUC courses below, with at least a 60% in each course.

EDUC 4406	English (First Language)(Intermediate)
EDUC 4416	Computer Science (Intermediate)
EDUC 4446	Geography (Intermediate)
EDUC 4456	History (Intermediate)
EDUC 4466	Mathematics (Intermediate)

Note:

- *In order to practice teach in Ontario schools, students must provide a clear criminal reference check.
- Student may choose an option course in Education in each of years 3, or 4 from the following:
EDUC 1526, EDUC 4683, EDUC 4706, EDUC 4707, EDUC 4806, EDUC 4807, EDUC 4816, EDUC 4916, EDUC 4986.
Not all option courses are offered every year. The course offerings may vary from year to year.

Specialization in Mathematics (BA)

Graduation Requirements

In addition to the program requirements listed below, students must also satisfy the Bachelor of Arts (four-year) degree requirements, which include regulations on first year and subject maximum and breadth requirements.

Program Requirements

- Students will need to achieve a minimum 60% average in the 54 credits presented for the Specialization in Mathematics.

Students must complete 120 credits including 54 credits in the Specialization as follows:

Core Mathematics Group	27 cr.
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Plus one of the following streams:

Pure Mathematics Stream

COSC 1557	Introduction to Computer Science	3 cr.
MATH 2116	Geometry	3 cr.
MATH 3126	Number Theory	3 cr.
MATH 3136	Real Analysis I	3 cr.
MATH 3137	Real Analysis II	3 cr.
MATH 3156	Algebra I	3 cr.
	Groups I, II or III	9 cr.

Applied Mathematics Stream

COSC 1557	Introduction to Computer Science	3 cr.
COSC 1567	Programming in C++	3 cr.

MATH 3127	Combinatorics and Graph Theory	3 cr.
MATH 3156	Algebra I	3 cr.
MATH 3266	Differential Equations I	3 cr.
MATH 3276	Probability & Statistics II	3 cr.
	Group I, II or III	9 cr.

General Stream

COSC 1557	Introduction to Computer Science	3 cr.
COSC 1567	Programming in C++	3 cr.
MATH 3127	Combinatorics and Graph Theory	3 cr.
MATH 3136	Real Analysis I	3 cr.
MATH 3156	Algebra I	3 cr.
MATH 3266	Differential Equations I	3 cr.
	Group I	3 cr.
	Group II	3 cr.
	Group III	3 cr.

Breadth Requirements

ACAD 1601	Humanities	3 cr.
	Social Science and/or Professional Studies	6 cr.

Major in Mathematics (BA)

Graduation Requirements

In addition to the program requirements listed below, students must also satisfy the Bachelor of Arts degree requirements, which include regulations on first year and subject maximum and breadth requirements.

Program Requirements

- Students will need to achieve a minimum 60% average in the 36 credits presented for the Major in Mathematics.

Students must complete 36 credits in the Major as follows:

Core Mathematics Group	27 cr.
MATH 3000 level from Groups I, II or III	9 cr.

Breadth Requirements

ACAD 1601	Humanities	3 cr.
	Social Science and/or Professional Studies	6 cr.

Note:

- Students may complete an Honours BA double major if they obtain an overall average of 70% in each Major, and complete an additional three credits (minimum) at the 4000 level in each Major. Please refer to the Honours double major degree requirement section for further information.

Minor in Mathematics

A Minor in Mathematics is available to students pursuing a program of study in a different discipline. Students will need to achieve a minimum 60% average in the 18 credits presented for the Minor. In addition to the requirements listed below, please refer to the Minor Requirements section.

Students must complete 18 credits in Mathematics as follows:

MATH 1036	Calculus I
MATH 1037	Calculus II
MATH 2036	Advanced Calculus I
MATH 2037	Advanced Calculus II
MATH 2076	Probability & Statistics I
MATH 3266	Differential Equations I



Certificate in Game Design and Development

This certificate will prepare students for employment in industries that require skills in advanced programming, software engineering, design, and algorithm development. It will also provide students with both the theoretical and practical background necessary to design and implement sophisticated game-related computer applications, as well as many other types of software.

In order to be admissible to the certificate students must have completed the following courses: MATH 1037, MATH 1056, COSC 1557, and COSC 1567.

Students must complete 18 credits as outlined below, with at least 12 credits from the group of Core Courses.

- In order to complete the Certificate, students must maintain a minimum 60% average on the 18 credits of Certificate courses.

Core Courses

COSC 2406	Introduction to Game Design and Development	3 cr.
COSC 2767	Object-Oriented Programming	3 cr.
COSC 3207	Computer Graphics	3 cr.
COSC 3307	3D Computer Graphics	3 cr.
COSC 3406	Advanced Game Design and Development	3 cr.

Optional Courses

COSC 2106	Machine Structures I	3 cr.
COSC 2107	Machine Structures II	3 cr.
COSC 2667	Operating Systems I	3 cr.
COSC 3007	Artificial Intelligence	3 cr.
COSC 3706	The Computing Profession	3 cr.
COSC 4406	Software Engineering	3 cr.

This certificate is restricted to students completing a Mathematics or Computer Science program and will be awarded at the time of graduation.

Cross-Listed Courses

The following courses may be credited towards Mathematics: COSC 2206 and COSC 3006.

Native Studies

Bachelor of Arts

Faculty of Arts and Science

This section presents the requirements for the following program options in Native Studies:

- Major
- Minor

Major in Native Studies

Graduation Requirements

In addition to the program requirements listed below students must also satisfy the Bachelor of Arts (Three-year) degree requirements, please refer to that section of the Calendar, including regulations on first year and subject maximum and breadth requirements.

Program Requirements:

- Students must complete NATI 1005 with a minimum grade of 60%.

Students must complete a minimum of 36 credits as follows:

NATI 1005	Madjitang, in the Beginning... An Introduction to Native Studies	6 cr.
NATI 2905	Native Philosophy	6 cr.
NATI 3005	Native Spirituality and Religions	6 cr.
NATI	upper level or cross-listed	18 cr.

Breadth Requirements

ACAD 1601	Science	3 cr.
		6 cr.

Minor in Native Studies

A Minor in Native Studies is available to students pursuing a program of study in a different discipline. A Minor in Native Studies consists of a minimum of 18 credits of Native Studies, with no more than six credits at the 1000 level. Students must achieve a minimum 60% average in the 18 credits presented for the Minor in Native Studies.

In addition to the requirements listed above, please refer to the Minor Requirements section.

Note:

- Cross-listed courses may not count towards a Minor in Native Studies.

Cross-Listed Courses

The following courses may be credited towards Native Studies: ANTR 2035, ANTR 3006, ANTR 3027, ENGL 3276, ENGL 3277, FAVA 3377, GEND 2066, GEND 3066, HIST 3257 and HIST 3346.

Nursing

Faculty of Applied and Professional Studies

This sections presents the requirements for:

- Bachelor of Science (Nursing)
- RPN to BScN
- BScN-IUON Stream
- Scholar Practitioner Program (Second Degree program)

This is a collaborative Bachelor of Science in Nursing offered by Nipissing University and Canadore College. In this program, faculty and students explore curriculum content, nursing concepts, and nursing issues founded on scientific principles and on an understanding of the human health experience.

Nursing students learn to use communication, critical thinking, and caring to co-create health with individual, group and community clients. Clients are viewed as unique in that each comes with experiences and knowledge that inform health work. Health is seen as a personal and societal resource.

The meaning of health is defined, as it is understood, by the client. The environment in which health and nursing occur is influenced by factors such as physical, socio-political and economic. The nursing education process values uniqueness, open inquiry and commitment to continued education. Graduates from the program will have developed the knowledge, skills and attitudes to practice as beginning professional nurses in a variety of clinical settings.

The BScN is also offered to graduates of a Practical Nurse diploma and are Registered Practical Nurses. The program BScN for RPN is identical with advanced standing given for much of Year 1 and

a bridging Year 2 to integrate RPNs into the program. Therefore, RPNs begin their program with Year 2 for RPN to BScN.

Preclinical Requirements for All Practicum Courses:

Prior to starting the program and on annual basis, clinical placement requirements are mandatory for all students in clinical placement/clinical practicum courses including health forms, vaccinations, CPR certification, Mask Fit Testing and criminal reference check. In addition, on an annual basis, students must provide evidence of an Influenza Vaccination and demonstrate successful completion of the annual year specific Dosage Calculation Competency testing (DCCT) with a passing grade of 90%.

The cycle for document submission and Dosage Competency testing is as follows:

On Admission:

Proof of CPR certification, health forms including vaccinations & immunizations updates, criminal reference documentation, and mask fit testing.

Annual Requirements:

April 30 – CPR certification, health forms including vaccinations & immunizations updates
 June 1 – Criminal reference documentation
 December 1 – Influenza vaccination

Biannual Requirements:

April 30 – mask fit testing

The required documents are pre-requisites for the following: NURS 1026, NURS 1027, NURS 2106, NURS 2026, NURS 2028, NURS 2029, NURS 3026, NURS 3027, NURS 4026, NURS 4027 and NURS 4426.

The Dosage Calculation Competency Tests (DCCT) 1 to 6 are pre-requisites for the following clinical practicum courses:

DCCT1: pre-requisite for NURS 1027
 DCCT2: pre-requisite for Fall sections of NURS 2026, NURS 2028, NURS 2029
 DCCT3: pre-requisite for Winter section of NURS 2026, NURS 2028, NURS 2029
 DCCT4: pre-requisite for NURS 3026, NURS 3027
 DCCT5: pre-requisite for NURS 4026
 DCCT6: pre-requisite for NURS 4027

Graduation Requirements

In addition to the program requirements listed below, students must also satisfy the Bachelor of Science (Nursing) degree requirements. Please refer to that section of the Calendar.

Program Requirements

Note:

- All NURS courses are restricted to students enrolled in the BScN program. Special permission may be granted from the Director of Nursing or the course instructor.
- Students must complete all nursing theory courses with a minimum grade of 60% in order to progress through the program and 50% in non-nursing required courses. Students will be required to withdraw from the nursing program should they receive more than one grade of “unsatisfactory” in clinical courses.
- Students must complete the Bachelor of Science in Nursing Program in seven (7) years from the original date of admission.

Students must complete 120 credits as listed below.

Year 1

NURS	1006	Professional Self-Awareness	3 cr.
NURS	1016	Nursing and Health	3 cr.
NURS	1017	Aging and Health	3 cr.
NURS	1026	Clinical Practicum – Nursing Healthy Individuals	3 cr.
NURS	1027	Clinical Practicum – Nursing Older Adults	3 cr.
NURS	1037	Health Assessment	3 cr.
BIOL	1011	Introduction to Molecular and Cell Biology for Nursing and Physical and Health Education	3 cr.
BIOL	2706	Human Anatomy and Physiology I	3 cr.
BIOL	2707	Human Anatomy and Physiology II	3 cr.
SOCl	1016	Introduction to Sociology	3 cr.

Year 2

NURS	2007	Therapeutic Relationships	3 cr.
NURS	2016	Health Challenges	3 cr.
NURS	2017	Nursing Across the Lifespan	3 cr.
NURS	2026	Clinical Practicum – Nursing in the Acute Care Setting	3 cr.
NURS	2028	Clinical Practicum – Nursing in Specialty Settings: Mental Health	1.5 cr.
NURS	2029	Clinical Practicum – Nursing in Specialty Settings: Women and Children	1.5 cr.
NURS	2037	Pharmacology	3 cr.
NURS	2047	Professional Foundations in Nursing	3 cr.
NURS	2526	Pathophysiology	3 cr.
BIOL	2116	Principles of Microbiology	3 cr.
PSYC	1036	Applied Developmental Psychology	3 cr.

Year 2 for RPN to BScN

NURS	2007	Therapeutic Relationships	3 cr.
NURS	2016	Health Challenges	3 cr.
NURS	2017	Nursing Across the Lifespan	3 cr.
NURS	2028	Clinical Practicum – Nursing in Specialized Settings: Mental Health	1.5 cr.
NURS	2029	Clinical Practicum – Nursing in Specialized Settings: Women and Children	1.5 cr.
NURS	2047	Professional Foundations in Nursing	3 cr.
NURS	2106	Clinical Practicum for RPN to BScN	3 cr.
NURS	2107	Reflective Practice for RPN to BScN	3 cr.
BIOL	1011	Introduction to Molecular and Cell Biology for Nursing and Physical and Health Education	3 cr.
BIOL	2116	Principles of Microbiology	3 cr.
UNIV	1011	University Success	3 cr.

Year 3

NURS	3006	Nursing Theories	3 cr.
NURS	3007	Community Health Nursing	3 cr.
NURS	3016	Family Nursing	3 cr.
NURS	3026	Clinical Practicum – Family Nursing in Diverse Settings	3 cr.
NURS	3027	Clinical Practicum – Nursing Communities and Populations	3 cr.
NURS	3036	Transcultural Nursing	3 cr.
MATH	1257	Technical Statistics	3 cr.
Electives			9 cr.

Year 4

NURS	4006	Nursing Informatics	3 cr.
NURS	4007	Leadership and Management in Nursing	3 cr.
NURS	4016	Research in Nursing and Health	3 cr.
NURS	4017	Current Issues in Nursing	3 cr.

NURS 4026	Clinical Practicum – Advanced Nursing Practice	3 cr.
NURS 4027	Clinical Practicum – Preceptorship	9 cr.
NURS 4036	Complex Health Challenges	3 cr.
Electives		3 cr.

BScN-IUON Stream

Students admitted to the BScN-IUON Stream must complete the BScN degree requirements as follows:

IUON Block		90 cr.
NURS 4007	Leadership and Management in Nursing	3 cr.
NURS 4017	Current Issues in Nursing	3 cr.
NURS 4026	Clinical Practicum – Advanced Nursing Practice	3 cr.
NURS 4027	Clinical Practicum – Preceptorship	9 cr.
NURS 4036	Complex Health Challenges	3 cr.
NURS 4426	Transitions: Introduction to Canadian Healthcare	3 cr.
NURS 4446	Concepts and Strategies in Gerontological Nursing	3 cr.
NURS 4447	Concepts and Strategies in Pediatric Nursing	3 cr.

Scholar Practitioner Program

The Scholar Practitioner Program is a 24 month degree completion route for candidates who already possess a university degree.

Graduation Requirements

To graduate from the Bachelor of Science (Nursing) Scholar Practitioner Program, students must satisfy the Second Degree-BScN requirements as outlined in this Academic Calendar.

Program Requirements

Note:

- The curriculum consists of six consecutive semesters. A Reading Week is scheduled in the middle of each semester.
- Each semester is 13 weeks long and is comprised of three courses with the following foci:
- Inquiry (weeks 1 – 3), Transformation and Reflection (weeks 3 – 13).

Students must complete 72 credits in Nursing as follows:

Semester 1 – Generativity and Life

All of the following:

NURS 1176	Generativity and Life Inquiry	3 cr.
NURS 1195	Generativity and Life Transformative Practicum	6 cr.
NURS 1187	Generativity and Life Reflection	3 cr.

Semester 2 – Functionality of the Mind, Body, Spirit

All of the following:

NURS 1276	Functionality of Mind, Body and Spirit Inquiry	3 cr.
NURS 1295	Functionality of Mind, Body and Spirit Transformative Practicum	6 cr.
NURS 1287	Functionality of Mind, Body and Spirit Reflection	3 cr.

Semester 3 – Hope and Possibility

All of the following:

NURS 2376	Hope and Possibility Inquiry	3 cr.
NURS 2395	Hope and Possibility Transformative Practicum	6 cr.
NURS 2387	Hope and Possibility Reflection	3 cr.

Semester 4 – Experiential Integration

All of the following:

NURS 2476	Experiential Integration Inquiry	3 cr.
NURS 2495	Experiential Integration Transformative Practicum	6 cr.
NURS 2487	Experiential Integration Reflection	3 cr.

Semester 5 – Retooling and Redesign

All of the following:

NURS 3576	Retooling and Redesign Inquiry	3 cr.
NURS 3595	Retooling and Redesign Transformative Practicum	6 cr.
NURS 3587	Retooling and Redesign Reflection	3 cr.

Semester 6 – Challenging the System

All of the following:

NURS 3676	Challenging the System Inquiry	3 cr.
NURS 3695	Challenging the System Transformative Practicum	6 cr.
NURS 3687	Challenging the System Reflection	3 cr.

Philosophy

Bachelor of Arts

Faculty of Arts and Science

This section presents the requirements for the following program options in Philosophy:

- Honours Specialization
- Specialization
- Major
- Minor

Honours Specialization in Philosophy

Graduation Requirements

In addition to the program requirements listed below, students must also satisfy the Bachelor of Arts (Honours) degree requirements, which include regulations on first year and subject maximum and breadth requirements.

Program Requirements

- Students will need to achieve a minimum 70% average in the 60 credits presented for the Honours Specialization in Philosophy.

Students must complete 120 credits including 60 credits in the Honours Specialization as follows:

PHIL 1115	Introduction to Philosophy	6 cr.
PHIL 2305	Origins of Western Philosophy	6 cr.
PHIL 2505	Reasoning and Logical Argument	6 cr.
PHIL 3335	History of Modern Philosophy	6 cr.
PHIL 4000-level		6 cr.
PHIL Upper level		30 cr.

Breadth Requirements

ACAD 1601		3 cr.
Social Science and/or Professional Studies		6 cr.
Science		6 cr.

Specialization in Philosophy

Graduation Requirements

In addition to the program requirements listed below, students must also satisfy the Bachelor of Arts (four-year) degree requirements, which include regulations on first year and subject maximum and breadth requirements.

Program Requirements

- Students will need to achieve a minimum 60% average in the 54 credits presented for the Specialization in Philosophy.

Students must complete 120 credits including 54 credits in the Specialization as follows:

PHIL 1115	Introduction to Philosophy	6 cr.
PHIL 2305	Origins of Western Philosophy	6 cr.
PHIL 2505	Reasoning and Logical Argument	6 cr.
PHIL 3335	History of Modern Philosophy	6 cr.
PHIL	Upper level	30 cr.

Breadth Requirements

ACAD 1601		3 cr.
Social Science and/or Professional Studies		6 cr.
Science		6 cr.

Major in Philosophy

Graduation Requirements

In addition to the program requirements listed below, students must also satisfy the Bachelor of Arts degree requirements, which include regulations on first year and subject maximum and breadth requirements.

Program Requirements

- Students will need to achieve a minimum 60% average in the 36 credits presented for the Major in Philosophy.

Students must complete 36 credits in the Major as follows:

PHIL 1115	Introduction to Philosophy	6 cr.
PHIL 2305	Origins of Western Philosophy	6 cr.
PHIL 2505	Reasoning and Logical Argument	6 cr.
PHIL 3335	History of Modern Philosophy	6 cr.
PHIL	Upper level	12 cr.

Breadth Requirements

ACAD 1601		3 cr.
Social Science and/or Professional Studies		6 cr.
Science		6 cr.

Note:

- Students may complete an Honours BA double major if they obtain an overall average of 70% in each Major, and complete an additional three credits (minimum) at the 4000 level in each Major. Please refer to the Degree Requirement section for further information.

Minor in Philosophy

A Minor in Philosophy is available to students pursuing a program of study in a different discipline. Students will need to achieve a minimum 60% average in the 18 credits presented for the Minor. In addition to the requirements listed below, please refer to the Minor Requirements section.

Students must complete 18 credits in Philosophy as follows:

PHIL 1115	Introduction to Philosophy	6 cr.
PHIL 2305	Origins of Western Philosophy	6 cr.
PHIL	Upper level	6 cr.

Cross-Listed Courses

The following courses may be credited towards Philosophy: BIOL 3557, GEND 2086, HIST 3926, NATI 2905, POLI 2106, POLI 2107, RLCT 2205, RLCT 3036, RLCT 3037 and RLCT 3216.

Physical and Health Education

Schulich School of Education

This section presents the requirements for the following:

- Bachelor of Physical and Health Education (Honours)
- Bachelor of Physical and Health Education

Graduation Requirements

In addition to the program requirements listed below students must also satisfy the Bachelor of Physical and Health Education degree requirements, including regulations on first year and subject maximum. Please refer to the Degree Requirement section for further information.

Program Requirements

- Students must receive a minimum grade of 60% or “SAT” in all PHED courses. Community Leadership Placements are graded on a “SAT” or “FAIL” basis.

To graduate with a Bachelor of Physical and Health Education or a Bachelor of Physical and Health Education (Honours), students must complete 120 credits as follows:

Year 1

BIOL 1006	Introduction to Molecular and Cell Biology	3 cr.
or		
BIOL 1011	Introduction to Molecular and Cell Biology for Nursing and Physical and Health Education	
PHED 1006	Introduction to Physical Education	3 cr.
PHED 1007	Psycho-Socio-Cultural Dimensions of Physical Activity	3 cr.
PHED 1016	Motor Development	3 cr.
PHED 1017	Health Concepts in Physical Education	3 cr.
PHED 1027	Physical Activity and Sport Leadership	3 cr.
PHED 1116	Physical Education Practical I	3 cr.
PHED 1117	Physical Education Practical II	3 cr.

Six credits from the following:

- Courses offered within the Faculty of Arts and Science, Faculty of Applied and Professional Schools and/or additional PHED courses

Year 2

PHED 2007	Special Populations	3 cr.
PHED 2016	Motor Learning and Control	3 cr.
PHED 2106	Community Leadership Placement I	3 cr.
PHED 2116	Physical Education Practical III	3 cr.
PHED 2117	Physical Education Practical IV	3 cr.
PHED 2216	Systemic Approach to Functional Human Anatomy	3 cr.
PHED 2217	Systemic Approach to Integrated Human Physiology	3 cr.
PHED 2026	Psychology of Physical Activity	3 cr.

Six credits from the following:

- Courses offered within the Faculty of Arts and Science, Faculty of Applied and Professional Schools and/or additional PHED courses

Year 3

PHED 3006	Exercise Physiology I	3 cr.
PHED 3016	Coaching	3 cr.
PHED 3017	Contemporary Health Issues	3 cr.
PHED 3026	Biomechanics I	3 cr.
PHED 3106	Community Leadership Placement II	3 cr.
PHED 3116	Physical Education Practical V	3 cr.
PHED 3117	Physical Education Practical VI	3 cr.
PHED 3217	Research Methods and Statistics in Physical Activity	3 cr.

Six credits from the following:

- Courses offered within the Faculty of Arts and Science, Faculty of Applied and Professional Schools and/or additional PHED courses

Year 4

PHED 4007	Health and Exercise Psychology	3 cr.
PHED 4016	Injury Prevention and Care	3 cr.
PHED 4027	Physical Fitness Principles, Prescription, & Assessment	3 cr.
PHED 4106	Community Leadership Placement III	3 cr.
PHED 4116	Physical Education Practical VII	3 cr.
PHED 4117	Physical Education Practical VIII	3 cr.
PHED 4227	Nutrition	3 cr.
PHED 4046	Contemporary Social Issues in Sport & Physical Activity	3 cr.

Six credits from the following:

- Courses offered within the Faculty of Arts and Science, Faculty of Applied and Professional Schools and/or additional PHED courses

Physics

Faculty of Arts and Science

This discipline is not offered as a degree, but the courses in Physics may be credited as electives in any other degree program.

Political Science

Bachelor of Arts

Faculty of Arts and Science

This section presents the requirements for the following program options in Political Science:

- Honours Specialization
- Specialization
- Major
- Minor

Honours Specialization in Political Science**Graduation Requirements**

In addition to the program requirements listed below, students must also satisfy the Bachelor of Arts (Honours) degree requirements, which include regulations on first year and subject maximum and breadth requirements.

Program Requirements

- Students will need to achieve a minimum 70% average in the 60 credits presented for the Honours Specialization in Political Science.

Students must complete 120 credits including 60 credits in the Honours Specialization as follows:

POLI 1006	Politics, Power and the Common Good	3 cr.
POLI 2106	Great Political Questions I	3 cr.
POLI 2107	Great Political Questions II	3 cr.
POLI 2706	Canadian Politics	3 cr.
POLI 2707	Canada and the World	3 cr.
POLI 4205	Honours Seminar	6 cr.
POLI upper level		39 cr.

(including cross-listed courses with Political Science)

Breadth Requirements

ACAD 1601	Science	3 cr.
		6 cr.

Specialization in Political Science**Graduation Requirements**

In addition to the program requirements listed below, students must also satisfy the Bachelor of Arts (four-year) degree requirements, which include regulations on first year and subject maximum and breadth requirements.

Program Requirements

- Students will need to achieve a minimum 60% average in the 54 credits presented for the Specialization in Political Science.

Students must complete 120 credits including 54 credits in the Specialization as follows:

POLI 1006	Politics, Power and the Common Good	3 cr.
POLI 2106	Great Political Questions I	3 cr.
POLI 2107	Great Political Questions II	3 cr.
POLI 2706	Canadian Politics	3 cr.
POLI 2707	Canada and the World	3 cr.
POLI upper level		39 cr.

(including cross-listed courses with Political Science)

Breadth Requirements

ACAD 1601	Science	3 cr.
		6 cr.

Major in Political Science**Graduation Requirements**

In addition to the program requirements listed below, students must also satisfy the Bachelor of Arts degree requirements, which include regulations on first year and subject maximum and breadth requirements.

Program Requirements

- Students will need to achieve a minimum 60% average in the 36 credits presented for the Major in Political Science.

Students must complete 36 credits in the Major as follows:

POLI 1006	Politics, Power and the Common Good	3 cr.
POLI 2106	Great Political Questions I	3 cr.
POLI 2107	Great Political Questions II	3 cr.
POLI 2706	Canadian Politics	3 cr.
POLI 2707	Canada and the World	3 cr.
POLI upper level		21 cr.

(including cross-listed courses with Political Science)

Breadth Requirements

ACAD 1601	Science	3 cr.
		6 cr.

Note:

- Students may complete an Honours BA double major if they obtain an overall average of 70% in each Major, and complete an additional three credits (minimum) at the 4000 level in each Major. Please refer to the Degree Requirement section for further information.

Minor in Political Science

A Minor in Political Science is available to students pursuing a program of study in a different discipline. Students will need to achieve a minimum 60% average in the 18 credits presented for the Minor. In addition to the requirements listed below, please refer to the Minor Requirements section.

Students must complete 18 credits in Political Science as follows:

POLI 1006	Politics, Power and the Common Good	3 cr.
POLI upper level	(including cross-listed courses with Political Science)	15 cr.

Cross-listed Courses

The following courses may be credited towards Political Science: GEND 2147, GEND 2187, GEND 2226, GEND 3036, GEND 3066, GEND 3127, GEND 3207, GEND 3227, GEND 3407, HIST 2136, HIST 3286, PHIL 3756, PHIL 3757.

Psychology

Bachelor of Science and Bachelor of Arts

Faculty of Arts and Science

This section presents the requirements for the following program options in Psychology:

- Honours Specialization
- Concurrent Education with an Honours Specialization in Psychology
- Specialization
- Major
- Minor
- Certificate in Neuroscience

General Program Information:

Students who are enrolled in a Psychology/Sociology program combination may elect to enrol in SOCI 2126 and SOCI 2127 rather than PSYC 2126 and PSYC 2127; in this case, these students must complete six upper level credits in Psychology, in addition to their required Psychology courses.

Bachelor of Science

Please note the Bachelor of Science and Bachelor of Arts in Psychology have different admission requirements. Students wishing to pursue the Bachelor of Science in Psychology must meet the admission criteria outlined in the Undergraduate Admissions section.

Honours Specialization in Psychology (BSc)**Graduation Requirements**

In addition to the program requirements listed below, students must also satisfy the Bachelor of Science (Honours) degree requirements, which include regulations on first year and subject maximum and breadth requirements.

Program Requirements

- Students will need to achieve a minimum 70% average in the 60 credits presented for the Honours Specialization in Psychology.
- Students must complete PSYC 1106, PSYC 1107, PSYC 2126, PSYC 2127, PSYC 3356 and PSYC 3357 with a minimum grade of 60% in each.
- Students who wish to take PSYC 4105 must complete both PSYC 3356 and PSYC 3357 with a minimum grade of 70% in each.

Students must complete 120 credits including 60 credits in the Honours Specialization as follows:

PSYC 1106	Introduction to Psychology I	3 cr.
PSYC 1107	Introduction to Psychology II	3 cr.
PSYC 2126	Scientific Method and Analysis I	3 cr.
PSYC 2127	Scientific Method and Analysis II	3 cr.
PSYC 3356	Design and Analysis I	3 cr.
PSYC 3357	Design and Analysis II	3 cr.
PSYC 4005	Systems and Theories in Psychology	6 cr.
PSYC 4105	Senior Empirical Thesis	6 cr.
2000/3000/4000 level Psychology courses		30 cr.

Other Science Requirements

Science 6 cr.

Plus:

Twelve credits from the following:	12 cr.
BIOL 1000 level	
CHEM 1000 level (excluding CHEM 1911)	
MATH 1036 Calculus I	
MATH 1037 Calculus II	
PHYS 1000 level (excluding PHYS 1912)	

Breadth Requirements

ACAD 1601	3 cr.
Humanities	3 cr.

Note:

- It is recommended that students in this degree program take PHIL 2505 Reasoning and Logical Argument.

Specialization in Psychology (BSc)**Graduation Requirements**

In addition to the program requirements listed below, students must also satisfy the Bachelor of Science (four-year) degree requirements, which include regulations on first year and subject maximum and breadth requirements.

Program Requirements

- Students will need to achieve a minimum 60% average in the 54 credits presented for the Specialization in Psychology.
- Students must complete PSYC 1106, PSYC 1107, PSYC 2126, PSYC 2127, PSYC 3356 and PSYC 3357 with a minimum grade of 60% in each.

Students must complete 120 credits including 54 credits in the Specialization as follows:

PSYC 1106	Introduction to Psychology I	3 cr.
PSYC 1107	Introduction to Psychology II	3 cr.
PSYC 2126	Scientific Method and Analysis I	3 cr.
PSYC 2127	Scientific Method and Analysis II	3 cr.
PSYC 3356	Design and Analysis I	3 cr.
PSYC 3357	Design and Analysis II	3 cr.
2000/3000/4000 level Psychology courses		36 cr.

Other Science Requirements

Science 6 cr.

Plus:

Twelve credits from the following:	12 cr.
BIOL 1000 level	
CHEM 1000 level (excluding CHEM 1911)	
MATH 1036 Calculus I	
MATH 1037 Calculus II	
PHYS 1000 level (excluding PHYS 1912)	

Breadth Requirements

ACAD 1601	3 cr.
Humanities	3 cr.

Note:

- It is recommended that students in this degree program take PHIL 2505 Reasoning and Logical Argument.

Major in Psychology (BSc)

Graduation Requirements

In addition to the program requirements listed below, students must also satisfy the Bachelor of Science degree requirements, which include regulations on first year and subject maximum and breadth requirements.

Program Requirements

- Students will need to achieve a minimum 60% average in the 36 credits presented for the Major in Psychology.
- Students must complete PSYC 1106, PSYC 1107, PSYC 2126, PSYC 2127 and PSYC 3356 with a minimum grade of 60% in each.

Students must complete 36 credits in the Major as follows:

PSYC 1106 Introduction to Psychology I	3 cr.
PSYC 1107 Introduction to Psychology II	3 cr.
PSYC 2126 Scientific Method and Analysis I	3 cr.
PSYC 2127 Scientific Method and Analysis II	3 cr.
PSYC 3356 Design and Analysis I	3 cr.
2000/3000 level Psychology courses	21 cr.

Other Science Requirements

Science	6 cr.
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Plus:

Twelve credits from the following:	12 cr.
BIOL 1000 level	
CHEM 1000 level (excluding CHEM 1911)	
MATH 1036 Calculus I	
MATH 1037 Calculus II	
PHYS 1000 level (excluding PHYS 1912)	

Breadth Requirements

ACAD 1601	3 cr.
Humanities	3 cr.

Note:

- It is recommended that students in this degree program take PHIL 2505 Reasoning and Logical Argument.
- Students may complete an Honours BSc double major if they obtain an overall average of 70% in each Major, and complete an additional three credits (minimum) at the 4000 level in each science Major. Please refer to the Degree Requirement section for further information.

Bachelor of Arts

Please note the Bachelor of Science and Bachelor of Arts in Psychology have different admission requirements. Students wishing to pursue the Bachelor of Arts in Psychology must meet the

admission criteria outlined in the Undergraduate Admissions section.

Honours Specialization in Psychology (BA)

Graduation Requirements

In addition to the program requirements listed below, students must also satisfy the Bachelor of Arts (Honours) degree requirements, which include regulations on first year and subject maximum and breadth requirements.

Program Requirements

- Students will need to achieve a minimum 70% average in the 60 credits presented for the Honours Specialization in Psychology.
- Students must complete PSYC 1106, PSYC 1107, PSYC 2126, PSYC 2127 and PSYC 3356 with a minimum grade of 60% in each.
- Students who wish to take PSYC 4105 must complete both PSYC 3356 and PSYC 3357 with a minimum grade of 70% in each.

Students must complete 120 credits including 60 credits in the Honours Specialization as follows:

PSYC 1106 Introduction to Psychology I	3 cr.
PSYC 1107 Introduction to Psychology II	3 cr.
PSYC 2126 Scientific Method and Analysis I	3 cr.
PSYC 2127 Scientific Method and Analysis II	3 cr.
PSYC 3356 Design and Analysis I	3 cr.
PSYC 4005 Systems and Theories in Psychology	6 cr.
PSYC 4105 Senior Empirical Thesis or	6 cr.
PSYC 4215 Senior Research Seminar	
2000/3000/4000 level Psychology courses	33 cr.

Breadth Requirements

ACAD 1601	3 cr.
Humanities	3 cr.
Science	6 cr.

Note:

- It is recommended that students in this degree program take PHIL 2505 Reasoning and Logical Argument.

Concurrent Education (BA/BEd) with an Honours Specialization in Psychology

Graduation Requirements

In addition to the program requirements listed below students must also satisfy the Bachelor of Arts (Honours)/Bachelor of Education (Concurrent) degree requirements. Please refer to the Degree Requirements section.

Program Requirements

- In the 120 credits required for the Bachelor of Arts, students will normally take 27 credits in year 1 and year 2, 30 credits in year 3 and year 4, and six credits in year 5. Students must include the following: six credits of PSYC 2006 and PSYC 2007; six credits of MATH 1036, MATH 1037, MATH 1046, MATH 1056 or MATH 1070; six credits of Canadian History at the 1000, 2000 or 3000 level (and are restricted to a maximum of 12 credits of 1000 level History); six credits of Geography; and SOCI 2091 and SOCI 2092 (normally taken in year 5). Students are required to take six credits of Humanities. Six credits of English Studies are highly recommended.

Students must complete a minimum of 153 credits (P/J Division) or 156 credits (J/I Division) and a total of 120 credits for a Bachelor of Arts degree (honours). The requirements for an Honours Specialization in Psychology are specified above. The minimum 33 credits (P/J Division) or 36 credits (J/I Division) required for the Bachelor of Education (Concurrent) are as follows:

Year 1

EDUC 1123 (P/J)	Observation and	
or EDUC 1013 (J/I)	Practice Teaching I*	1 cr.

EDUC 4102 (P/J)		
or EDUC 4202 (J/I)	Education and Schooling	3 cr.

Year 2

EDUC 2123 (P/J)	Observation and	
or EDUC 2013 (J/I)	Practice Teaching II*	1 cr.

EDUC 4112 (P/J)		
or EDUC 4116 (J/I)	Language Arts	3 cr.

EDUC 4434 (P/J)		
or EDUC 4474 (J/I)	Curriculum Methods I	2.5 cr.

Year 3

EDUC 3123 (P/J)	Observation and	
or EDUC 3013 (J/I)	Practice Teaching III*	1 cr.

EDUC 4113 (P/J)		
or EDUC 4117 (J/I)	Language Arts	3 cr.

EDUC 4103 (P/J)	Educational Psychology and	
or EDUC 4203 (J/I)	Special Education	3 cr.

Year 4

EDUC 4123 (P/J)	Observation and	
or EDUC 4013 (J/I)	Practice Teaching IV*	1 cr.

EDUC 4444 (P/J)		
or EDUC 4484 (J/I)	Curriculum Methods II	2.5 cr.

Year 5

EDUC 4133 (P/J)	Observation and Practice	
or EDUC 4023 (J/I)	Teaching V* (13 weeks)	3 cr.

EDUC 4244 (P/J)		
or EDUC 4308 (J/I)	Visual Arts	1.5 cr.

EDUC 4254 (P/J)		
or EDUC 4314 (J/I)	Music Education	1.5 cr.

EDUC 4264 (P/J)		
or EDUC 4324 (J/I)	Health and Physical Education	1.5 cr.

EDUC 4274 (P/J)		
or EDUC 4334 (J/I)	Mathematics Education	1.5 cr.

EDUC 4284 (P/J)		
or EDUC 4344 (J/I)	Science Education	1.5 cr.

EDUC 4294 (P/J)		
or EDUC 4354 (J/I)	Social Studies	1.5 cr.

For the Junior/Intermediate Division, students must choose one of the following according to the honours specialization subject:

3 cr.

A minimum overall average of 70% is required in the EDUC courses below, with at least a 60% in each course.

EDUC 4406	English (First Language)(Intermediate)
EDUC 4416	Computer Science (Intermediate)
EDUC 4446	Geography (Intermediate)
EDUC 4456	History (Intermediate)
EDUC 4466	Mathematics (Intermediate)

Note:

- *In order to practice teach in Ontario schools, students must provide a clear criminal reference check.

- Student may choose an option course in Education in each of years 3, or 4 from the following:

EDUC 1526, EDUC 4683, EDUC 4706, EDUC 4707, EDUC 4806, EDUC 4807, EDUC 4816, EDUC 4916, EDUC 4986.

Not all option courses are offered every year. The course offerings may vary from year to year.

Specialization in Psychology (BA)**Graduation Requirements**

In addition to the program requirements listed below, students must also satisfy the Bachelor of Arts (four-year) degree requirements, which include regulations on first year and subject maximum and breadth requirements.

Program Requirements

- Students will need to achieve a minimum 60% average in the 54 credits presented for the Specialization in Psychology.
- Students must complete PSYC 1106, PSYC 1107, PSYC 2126, PSYC 2127, and PSYC 3116 with a minimum grade of 60% in each.

Students must complete 120 credits including 54 credits in the Specialization as follows:

PSYC 1106	Introduction to Psychology I	3 cr.
PSYC 1107	Introduction to Psychology II	3 cr.
PSYC 2126	Scientific Method and Analysis I	3 cr.
PSYC 2127	Scientific Method and Analysis II	3 cr.
PSYC 3116	Literacy in Psychology	3 cr.
2000/3000/4000 level Psychology courses		39 cr.

Breadth Requirements

ACAD 1601	3 cr.
Humanities	3 cr.
Science	6 cr.

Note:

- It is recommended that students in this degree program take PHIL 2505 Reasoning and Logical Argument.

Major in Psychology (BA)**Graduation Requirements**

In addition to the program requirements listed below, students must also satisfy the Bachelor of Arts degree requirements, which include regulations on first year and subject maximum and breadth requirements.

Program Requirements

- Students will need to achieve a minimum 60% average in the 36 credits presented for the Major in Psychology.
- Students must complete PSYC 1106, PSYC 1107, PSYC 2126, and PSYC 2127 with a minimum grade of 60% in each.

Students must complete 36 credits in the Major as follows:

PSYC 1106	Introduction to Psychology I	3 cr.
PSYC 1107	Introduction to Psychology II	3 cr.
PSYC 2126	Scientific Method and Analysis I	3 cr.
PSYC 2127	Scientific Method and Analysis II	3 cr.
2000/3000 level Psychology courses		24 cr.

Breadth Requirements

ACAD 1601	3 cr.
Humanities	3 cr.
Science	6 cr.

Note:

- It is recommended that students in this degree program take PHIL 2505 Reasoning and Logical Argument.
- Students may complete an Honours BA double major if they obtain an overall average of 70% in each Major, and complete an additional three credits (minimum) at the 4000 level in each Major. Please refer to the Degree Requirement section for further information.

Minor in Psychology

A Minor in Psychology is available to students pursuing a program of study in a different discipline. Students will need to achieve a minimum 60% average in the 18 credits presented for the Minor. In addition to the requirements listed below, please refer to the Minor Requirements section.

Students must complete 18 credits in Psychology as follows:

PSYC 1106	Introduction to Psychology I	3 cr.
PSYC 1107	Introduction to Psychology II	3 cr.
2000/3000 level	Psychology courses	12 cr.

Certificate in Neuroscience

The certificate in Neuroscience provides students in a Bachelor of Science (Honours) with an honours specialization in Biology or Psychology with an opportunity for interdisciplinary research that considers the processes of the brain at all phylogenetic levels.

Students must complete all of the following:

BIOL 1006	Introduction to Molecular and Cell Biology	3 cr.
BIOL 2206	Introduction to Biochemistry	3 cr.
BIOL 2706	Human Anatomy and Physiology I	3 cr.
BIOL 4557	Developmental and Behavioural Genetics	3 cr.
CHEM 1006	General Chemistry I	3 cr.
CHEM 1007	General Chemistry II	3 cr.
PSYC 1106	Introduction to Psychology I	3 cr.
PSYC 2605	Behavioural Neuroscience	6 cr.
PSYC 2906	Sensation	3 cr.

One of:

PSYC 3506	Neuropharmacology	3 cr.
PSYC 4616	Neural Bases of Consciousness or	
PSYC 4706	Advanced Neuroanatomy	3 cr.

One of:

BIOL 3717	Animal Behaviour	3 cr.
PSYC 2206	Learning I	

One of:

* BIOL 4995	Thesis or	6 cr.
* PSYC 4105	Senior Empirical Thesis	

The following courses are highly recommended:

BIOL 2557	Genetics
BIOL 2707	Human Anatomy and Physiology II
CHEM 2106	An Introduction to Analytic Chemistry
CHEM 2306	Organic Chemistry I
CHEM 2307	Organic Chemistry II
PSYC 3307	Learning II

*The thesis must be conducted in a Neuroscience area.

Cross-Listed Courses

The following courses may be credited towards Psychology: BIOL 3717, BIOL 4557, CRJS 3106, CRJS 3107.

Religions and Cultures

Bachelor of Arts

Faculty of Arts and Science

This section presents the requirements for the following program options in Religions and Cultures:

- Honours Specialization
- Specialization
- Major
- Minor

Honours Specialization in Religions and Cultures

Graduation Requirements

In addition to the program requirements listed below, students must also satisfy the Bachelor of Arts (Honours) degree requirements, which include regulations on first year and subject maximum and breadth requirements.

Program Requirements

- Students will need to achieve a minimum 70% average in the 60 credits presented for the Honours Specialization in Religions and Cultures.

Students must complete 120 credits including 60 credits in the Honours Specialization as follows:

RLCT 1000 level	6 cr.
RLCT upper level	48 cr.
RLCT 4000 level	6 cr.

Breadth Requirements

ACAD 1601	3 cr.
Social Science and/or Professional Studies	6 cr.
Science	6 cr.

Note:

- A maximum of 24 credits of cross-listed courses may count toward an Honours Specialization in Religions and Cultures.
- A subject average of at least 70% is required for enrolment in 4000 level courses.

Specialization in Religions and Cultures

Graduation Requirements

In addition to the program requirements listed below, students must also satisfy the Bachelor of Arts (four-year) degree requirements, which include regulations on first year and subject maximum and breadth requirements.

Program Requirements

- Students will need to achieve a minimum 60% average in the 54 credits presented for the Specialization in Religions and Cultures.

Students must complete 120 credits including 54 credits in the Specialization as follows:

RLCT 1000 level	6 cr.
RLCT upper level	48 cr.

Breadth Requirements

ACAD 1601	3 cr.
Social Science and/or Professional Studies	6 cr.
Science	6 cr.

Note:

- A maximum of 18 credits of cross-listed courses may count toward a Specialization in Religions and Cultures.

Major in Religions and Cultures

Graduation Requirements

In addition to the program requirements listed below, students must also satisfy the Bachelor of Arts degree requirements, which include regulations on first year and subject maximum and breadth requirements.

Program Requirements

- Students will need to achieve a minimum 60% average in the 36 credits presented for the Major in Religions and Cultures.

Students must complete 36 credits in the Major as follows:

RLCT 1000 level	6 cr.
RLCT upper level	30 cr.

Breadth Requirements

ACAD 1601	3 cr.
Social Science and/or Professional Studies	6 cr.
Science	6 cr.

Note:

- A maximum of 12 credits of cross-listed courses may count toward a Major Religions and Cultures.
- Students may complete an Honours BA double major if they obtain an overall average of 70% in each Major, and complete an additional three credits (minimum) at the 4000 level in each Major. Please refer to the Degree Requirement section for further information.

Minor in Religions and Cultures

A Minor in Religions and Cultures is available to students pursuing a program of study in a different discipline. Students will need to achieve a minimum 60% average in the 18 credits presented for the Minor. In addition to the requirements listed below, please refer to the Minor Requirements section.

Students must complete 18 credits in Religions and Cultures as follows:

RLCT 1000 level	6 cr.
RLCT upper level	12 cr.

Cross-Listed Courses

The following courses may be credited towards Religions and Cultures: CLAS 2006, CLAS 2007, ESPA 2705, GEND 2086, HIST 3805, NATI 3005, PHIL 2525, PHIL 3616, PHIL 3706 and PHIL 3707, SWLF 3266.

Russian

Faculty of Arts and Science

This discipline is not offered as a degree, but the courses in Russian may be credited as electives in any other degree program.

Science and Technology

Bachelor of Science

Faculty of Arts and Science

This section presents the requirements for the following program options in Science and Technology:

- Honours Specialization
- Specialization
- Major

Honours Specialization in Science and Technology

Graduation Requirements

In addition to the program requirements listed below students must also satisfy the Bachelor of Science (Honours) degree requirements, please refer to that section of the Calendar, including regulations on first year and subject maximum and breadth requirements.

Program Requirements

- Students will need to achieve a minimum 70% average in the 60 credits presented for the Honours Specialization in Science and Technology.

Students must complete 120 credits including 60 credits in the Honours Specialization as follows:

Students must complete all of the following CORE courses: 30 cr.

MATH 1036	Calculus I	
MATH 1037	Calculus II	
MATH 1046	Introductory Linear Algebra	
MATH 1056	Discrete Mathematics I	
MATH 2076	Probability and Statistics I	
COSC 1557	Introduction to Computer Science	
COSC 1567	Programming in C++	
COSC 1666	Engineering Graphics	
COSC 3997	Senior Practicum	
or		
STEC 3997	Practicum I	
COSC 4997	Honours Practicum	
or		
STEC 4997	Practicum I	

Plus one of the Following Streams: 30 cr.

General Stream

Students must complete all of the following:

MATH 2036	Advanced Calculus	
MATH 2037	Advanced Calculus II	
MATH 2046	Advanced Linear Algebra	
MATH 3266	Differential Equations I	
MATH 3296	Mathematical Modeling	
MATH 4246	Introduction to Optimization	
MATH 4016	Numerical Methods II	
COSC 2206	Mathematical Computation	
COSC 3006	Numerical Methods I	
COSC 3606	Databases & Data Management	

Other Science Requirements

Chemistry, Biology, Physics,		9 cr.
Physical/Technique Geography		
Science Electives (Maximum 6 cr. at the 1000 level)		33 cr.

Breadth Requirements

ACAD 1601	3 cr.
Humanities	3 cr.
Social Science and/or Professional Studies	6 cr.

Artificial Intelligence Stream

Students must complete all of the following:

MATH 2037	Advanced Calculus II
COSC 2116	Artificial Neural Networks
COSC 2206	Mathematical Computation
COSC 2767	Object Oriented Programming
COSC 3006	Numerical Methods
COSC 3007	Artificial Intelligence
COSC 3306	Programming Paradigms
COSC 3606	Database and Data Management
COSC 4106	Human Computer Interaction
COSC 4406	Software Engineering

Other Science Requirements

Chemistry, Biology, Physics, Physical/Technique Geography	9 cr.
Science Electives (Maximum 3 cr. at the 1000 level)	21 cr.

Breadth Requirements

ACAD 1601	3 cr.
Humanities	3 cr.
Social Science and/or Professional Studies	6 cr.

Robotics Stream

Students must complete all of the following:

COSC 1757	Digital Systems
COSC 2106	Machine Structures I
COSC 2107	Machine Structures II
COSC 2116	Artificial Neural Networks
COSC 2206	Mathematical Computation
COSC 2767	Object Oriented Programming
COSC 3007	Artificial Intelligence
COSC 3017	Robotics
COSC 3407	Systems Control
COSC 4207	Seminars in Computer Science

Other Science Requirements

Chemistry, Biology, Physics, Physical/Technique Geography	9 cr.
Science Electives (Maximum 3 cr. at the 1000 level)	21 cr.

Breadth Requirements

ACAD 1601	3 cr.
Humanities	3 cr.
Social Science and/or Professional Studies	6 cr.

Industrial Mathematics Stream

Students must complete all of the following:

MATH 2036	Advanced Calculus I
MATH 3266	Differential Equations I
MATH 3276	Probability & Statistics II
MATH 3256	Operations Research
MATH 3296	Mathematical Modelling
MATH 4246	Optimization
COSC 2206	Mathematical Computation
COSC 3006	Numerical Methods I
COSC 3207	Computer Graphics
COSC 3606	Databases & Data Management

Other Science Requirements

Chemistry, Biology, Physics, Physical/Technique Geography	9 cr.
Science Electives (Maximum 3 cr. at the 1000 level)	21 cr.

Breadth Requirements

ACAD 1601	3 cr.
Humanities	3 cr.
Social Science and/or Professional Studies	6 cr.

Service Technology Stream

Students must complete all of the following:

COSC 2006	Data Structures I
COSC 2767	Object Oriented Programming

COSC 3007	Artificial Intelligence
COSC 3306	Programming Paradigms
COSC 3407	Systems Control
COSC 3606	Databases & Data Management
COSC 4106	Human Computer Interactions
COSC 4406	Software Engineering
MKTG 1126	Marketing Concepts
MKTG 4427	Business-to-Business Marketing

Other Science Requirements

Chemistry, Biology, Physics, Physical/Technique Geography	9 cr.
Science Electives (Maximum 9 cr. at the 1000 level)	27 cr.

Breadth Requirements

ACAD 1601	3 cr.
Humanities	3 cr.

Environment Stream

Students must complete all of the following:

GEOG 1017	Introduction to Physical Geography
GEOG 2017	Introduction to Geomatics

Plus:

24 credits from the following: 24 cr.

GEOG 2106	Geomorphology
GEOG 2107	Climatology
GEOG 2126	Physical Hydrology
GEOG 3056	Spatial Analysis Using GIS
GEOG 3066	Remote Sensing of the Environment
GEOG 3096	Environmental Hydrology
GEOG 4057	Topics in GIS Applications
GEOG 4066	Topics in Remote Sensing Applications
GEOG 4106	Terrain Analysis
GEOG 4126	Applied Hydrology for Snow and Ice Environments
GEOG 4127	Lake and Wetland Environments
GEOG 4136	Applied Climatology
GEOG 4247	Environmental Modeling

Other Science Requirements

Chemistry, Biology, Physics, Physical/Technique Geography	6 cr.
Science Electives (Maximum 3 cr. at the 1000 level)	21 cr.

Breadth Requirements

ACAD 1601	3 cr.
Humanities	3 cr.
GEOG 1016	Introduction to Human Geography 3 cr.

Specialization in Science and Technology**Graduation Requirements**

In addition to the program requirements listed below students must also satisfy the Bachelor of Science (four-year) degree requirements, please refer to that section of the Calendar, including regulations on first year and subject maximum and breadth requirements.

Program Requirements

- Students will need to achieve a minimum 60% average in the 54 credits presented for the Specialization in Science and Technology.

Students must complete 120 credits including 54 credits in the Specialization as follows:

Students must complete all of the following CORE courses:	27 cr.
MATH 1036	Calculus I
MATH 1037	Calculus II

MATH 1046	Introductory Linear Algebra
MATH 1056	Discrete Mathematics I
MATH 2076	Probability and Statistics I
COSC 1557	Introduction to Computer Science
COSC 1567	Programming in C++
COSC 1666	Engineering Graphics
COSC 3997	Senior Practicum
or	
STEC 3997	Practicum I

Plus one of the Following Streams: 27 cr.

General Stream

Students must complete all of the following:

MATH 2036	Advanced Calculus
MATH 2037	Advanced Calculus II
MATH 2046	Advanced Linear Algebra
MATH 3266	Differential Equations I
MATH 3296	Mathematical Modeling
MATH 4246	Optimization
COSC 2206	Mathematical Computation
COSC 3006	Numerical Methods I
COSC 3606	Databases & Data Management

Other Science Requirements

Chemistry, Biology, Physics, Physical/Technique Geography	9 cr.
Science Electives (Maximum 6 cr. at the 1000 level)	33 cr.

Breadth Requirements

ACAD 1601	3 cr.
Humanities	3 cr.
Social Science and/or Professional Studies	6 cr.

Artificial Intelligence Stream

Students must complete all of the following:

MATH 2037	Advanced Calculus I I
COSC 2116	Artificial Neural Networks
COSC 2206	Mathematical Computation
COSC 2767	Object Oriented Programming
COSC 3006	Numerical Methods
COSC 3007	Artificial Intelligence
COSC 3306	Programming Paradigms
COSC 3606	Database and Data Management
COSC 4406	Software Engineering

Other Science Requirements

Chemistry, Biology, Physics, Physical/Technique Geography	9 cr.
Science Electives (Maximum 3 cr. at the 1000 level)	21 cr.

Breadth Requirements

ACAD 1601	3 cr.
Humanities	3 cr.
Social Science and/or Professional Studies	6 cr.

Robotics Stream

Students must complete all of the following:

COSC 1757	Digital Systems
COSC 2106	Machine Structures I
COSC 2107	Machine Structures II
COSC 2116	Artificial Neural Networks
COSC 2206	Mathematical Computation
COSC 2767	Object Oriented Programming
COSC 3007	Artificial Intelligence
COSC 3017	Robotics
COSC 3407	Systems Control

Other Science Requirements

Chemistry, Biology, Physics, Physical/Technique Geography	9 cr.
Science Electives (Maximum 3 cr. at the 1000 level)	21 cr.

Breadth Requirements

ACAD 1601	3 cr.
Humanities	3 cr.
Social Science and/or Professional Studies	6 cr.

Industrial Mathematics Stream

Students must complete all of the following:

MATH 2036	Advanced Calculus I
MATH 3266	Differential Equations I
MATH 3276	Probability & Statistics II
MATH 3256	Operations Research
MATH 3296	Mathematical Modeling
COSC 2206	Mathematical Computation
COSC 3006	Numerical Methods I
COSC 3207	Computer Graphics
COSC 3606	Databases & Data Management

Other Science Requirements

Chemistry, Biology, Physics, Physical/Technique Geography	9 cr.
Science Electives (Maximum 3 cr. at the 1000 level)	21 cr.

Breadth Requirements

ACAD 1601	3 cr.
Humanities	3 cr.
Social Science and/or Professional Studies	6 cr.

Service Technology Stream

Students must complete all of the following:

COSC 2006	Data Structures I
COSC 2767	Object Oriented Programming
COSC 3007	Artificial Intelligence
COSC 3306	Programming Paradigms
COSC 3407	Systems Control
COSC 3606	Databases & Data Management
COSC 4406	Software Engineering
MKTG 1126	Marketing Concepts
MKTG 4427	Business-to-Business Marketing

Other Science Requirements

Chemistry, Biology, Physics, Physical/Technique Geography	9 cr.
Science Electives (Maximum 9 cr. at the 1000 level)	27 cr.

Breadth Requirements

ACAD 1601	3 cr.
Humanities	3 cr.

Environment Stream

Students must complete all of the following:

GEOG 1017	Introduction to Physical Geography
GEOG 2017	Introduction to Geomatics

Plus:

21 credits from the following: 21 cr.

GEOG 2106	Geomorphology
GEOG 2107	Climatology
GEOG 2126	Physical Hydrology
GEOG 3056	Spatial Analysis Using GIS
GEOG 3066	Remote Sensing of the Environment
GEOG 3096	Environmental Hydrology
GEOG 4057	Topics in GIS Applications
GEOG 4066	Topics in Remote Sensing Applications
GEOG 4106	Terrain Analysis
GEOG 4126	Applied Hydrology for Snow and Ice Environments

GEOG 4127	Lake and Wetland Environments	
GEOG 4136	Applied Climatology	
GEOG 4247	Environmental Modeling	

Other Science Requirements

Chemistry, Biology, Physics, Physical/Technique Geography	6 cr.
Science Electives (Maximum 3 cr. at the 1000 level)	21 cr.

Breadth Requirements

ACAD 1601	3 cr.
Humanities	3 cr.
GEOG 1016 Introduction to Human Geography	3 cr.

Major in Science and Technology**Graduation Requirements**

In addition to the program requirements listed below students must also satisfy the Bachelor of Science degree requirements, please refer to that section of the Calendar, including regulations on first year and subject maximum and breadth requirements.

Program Requirements

- Students will need to achieve a minimum 60% average in the 36 credits presented for the Major in Science and Technology.

Students must complete 36 credits in the Major as follows:

MATH 1036	Calculus I	
MATH 1037	Calculus II	
MATH 1046	Introductory Linear Algebra	
MATH 1056	Discrete Mathematics I	
MATH 2037	Advanced Calculus II	
MATH 2076	Probability and Statistics I	
COSC 1557	Introduction to Computer Science	
COSC 1666	Engineering Graphics	
COSC 2206	Mathematical Computation	
COSC 3006	Numerical Methods I	
COSC 3207	Computer Graphics	
COSC 3997	Senior Practicum or STEC 3997 Practicum I	

Other Science Requirements

Chemistry, Biology, Physics, Physical/Technique Geography, or Geology	9 cr.
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Breadth Requirements

ACAD 1601	3 cr.
Humanities	3 cr.

Note:

- Students may complete an Honours BSc double major if they obtain an overall average of 70% in each Major, and complete an additional three credits (minimum) at the 4000 level in each science Major. Please refer to the Honours double major degree Requirement section for further information.

Social Welfare and Social Development

Bachelor of Arts

Faculty of Applied and Professional Studies

This section presents the requirements for the following program options in Social Welfare and Social Development:

- Honours Specialization
- Specialization
- Major
- Minor

Honours Specialization in Social Welfare and Social Development**Graduation Requirements**

In addition to the program requirements listed below, students must also satisfy the Bachelor of Arts (Honours) degree requirements, which include regulations on first year and subject maximum and breadth requirements.

Program Requirements

- Students will need to achieve a minimum 70% average in the 60 credits presented for the Honours Specialization in Social Welfare and Social Development.

Students must complete 120 credits including 60 credits in the Honours Specialization as follows:

SWLF 1006	Introduction to Social Welfare and Social Development	3 cr.
SOCI 1016	Introduction to Sociology	3 cr.
SWLF 2006	Ideology and Social Welfare	3 cr.
SWLF 2007	Poverty and Social Policy in Canada	3 cr.
SOCI 2126	Social Research Methods	3 cr.
SOCI 2127	Social Statistics and Data Analysis	3 cr.
SWLF 2995	Community Service-Learning for Social Development	6 cr.
SWLF 3006	Social and Economic Justice	3 cr.
SWLF 3007	History of Social Welfare	3 cr.
SWLF 4006	Social Development	3 cr.
SWLF 4007	Honours Seminar	3 cr.
SWLF upper level		24 cr.

Breadth Requirements

Humanities	6 cr.
Science	6 cr.

Note:

- A maximum of 6 credits of cross-listed courses may count toward an Honours Specialization in Social Welfare and Social Development.
- It is recommended that students include ACAD 1601 in their first 30 Nipissing credits. ACAD 1601 will count towards three credits of the Humanities requirements.

Specialization in Social Welfare and Social Development**Graduation Requirements**

In addition to the program requirements listed below, students must also satisfy the Bachelor of Arts (four-year) degree requirements, which include regulations on first year and subject maximum and breadth requirements.

Program Requirements

- Students will need to achieve a minimum 60% average in the 54 credits presented for the Specialization in Social Welfare and Social Development.

Students must complete 120 credits including 54 credits in the Specialization as follows:

SWLF 1006	Introduction to Social Welfare and Social Development	3 cr.
SOCI 1016	Introduction to Sociology	3 cr.
SWLF 2006	Ideology and Social Welfare	3 cr.
SWLF 2007	Poverty and Social Policy in Canada	3 cr.
SOCI 2126	Social Research Methods	3 cr.
SOCI 2127	Social Statistics and Data Analysis	3 cr.
SWLF 2995	Community Service-Learning for Social Development	6 cr.

SWLF 3006 Social and Economic Justice	3 cr.
SWLF 3007 History of Social Welfare	3 cr.
SWLF upper level	24 cr.

Breadth Requirements

Humanities	6 cr.
Science	6 cr.

Note:

- A maximum of 6 credits of cross-listed courses may count toward a Specialization in Social Welfare and Social Development.
- It is recommended that students include ACAD 1601 in their first 30 Nipissing credits. ACAD 1601 will count towards three credits of the Humanities requirements.

Major in Social Welfare and Social Development**Graduation Requirements**

In addition to the program requirements listed below, students must also satisfy the Bachelor of Arts degree requirements, which include regulations on first year and subject maximum and breadth requirements.

Program Requirements

- Students will need to achieve a minimum 60% average in the 36 credits presented for the Major in Social Welfare and Social Development.

Students must complete 36 credits in the Major as follows:

SWLF 1006 Introduction to Social Welfare and Social Development	3 cr.
SOCI 1016 Introduction to Sociology	3 cr.
SWLF 2006 Ideology and Social Welfare	3 cr.
SWLF 2007 Poverty and Social Policy in Canada	3 cr.
SWLF 3006 Social and Economic Justice	3 cr.
SWLF 3007 History of Social Welfare	3 cr.
SWLF Upper level	18 cr.

Breadth Requirements

Humanities	6 cr.
Science	6 cr.

Note:

- A maximum of 6 credits of cross-listed courses may count toward a Major in Social Welfare and Social Development.
- Students may complete an Honours BA double major if they obtain an overall average of 70% in each Major, and complete an additional three credits (minimum) at the 4000 level in each Major. Please refer to the Degree Requirement section for further information.
- It is recommended that students include ACAD 1601 in their first 30 Nipissing credits. ACAD 1601 will count towards three credits of the Humanities requirements.

Minor in Social Welfare and Social Development

A Minor in Social Welfare and Social Development is available to students pursuing a program of study in a different discipline. Students will need to achieve a minimum 60% average in the 18 credits presented for the Minor in Social Welfare and Social Development. In addition to the requirements listed below, please refer to the Minor Requirements section.

Students must complete 18 credits in Social Welfare and Social Development as follows:

SWLF 1006 Introduction to Social Welfare and Social Development	3 cr.
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SWLF Upper level	15 cr.
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Cross-Listed Courses

The following courses may be credited towards Social Welfare and Social Development, up to a maximum of six credits: GEND 2147, GEND 2306, GEND 3067, POLI 2207, SOCI 3036, SOCI 3136

Sociology

Bachelor of Arts

Faculty of Arts and Science

This section presents the requirements for the following options in Sociology:

- Honours Specialization
- Specialization
- Major
- Minor
- Certificate in Health Studies

General Program Information:

- An Anthropology Stream is available to students completing the Honours Specialization, Specialization, or Major option in Sociology.
- Students who are enrolled in a Sociology/Psychology program combination may elect to enrol in PSYC 2126 and PSYC 2127, rather than SOCI 2126 and SOCI 2127; in this case, these students must complete six upper level credits in Sociology, in addition to their required Sociology courses.

Honours Specialization in Sociology**Graduation Requirements**

In addition to the program requirements listed below, students must also satisfy the Bachelor of Arts (Honours) degree requirements, which include regulations on first year and subject maximum and breadth requirements.

Program Requirements

- Students will need to achieve a minimum 70% average in the 60 credits presented for the Honours Specialization in Sociology.

Students must complete 120 credits including 60 credits in the Honours Specialization as follows:

SOCI 1016 Introduction to Sociology	3 cr.
SOCI 2016 Classical Sociological Theory	3 cr.
SOCI 2017 Contemporary Sociological Theory	3 cr.
SOCI 2126 Social Research Methods	3 cr.
SOCI 2127 Social Statistics and Data Analysis	3 cr.
SOCI 3016 Critical Perspectives on Sociological Theory	3 cr.
SOCI 3226 Survey Research	3 cr.
SOCI 4016 Advanced Sociological Theory	3 cr.
SOCI 4127 Applied Multivariate Statistics	3 cr.
SOCI 4576 Honours Seminar in Professional Development in Sociology	3 cr.

In addition, students must complete:

SOCI Upper-level	27 cr.
SOCI 4000 level	3 cr.

Breadth Requirements

ACAD 1601	3 cr.
Humanities	3 cr.
Science	6 cr.

Note:

- A maximum of 6 credits of cross-listed courses may count toward an Honours Specialization in Sociology.

Specialization in Sociology**Graduation Requirements**

In addition to the program requirements listed below, students must also satisfy the Bachelor of Arts (four-year) degree requirements, which include regulations on first year and subject maximum and breadth requirements.

Program Requirements

- Students will need to achieve a minimum 60% average in the 54 credits presented for the Specialization in Sociology.

Students must complete 120 credits including 54 credits in the Specialization as follows:

SOCI 1016	Introduction to Sociology	3 cr.
SOCI 2016	Classical Sociological Theory	3 cr.
SOCI 2017	Contemporary Sociological Theory	3 cr.
SOCI 2126	Social Research Methods	3 cr.
SOCI 2127	Social Statistics and Data Analysis	3 cr.
SOCI 3016	Critical Perspectives on Sociological Theory	3 cr.
SOCI 3226	Survey Research	3 cr.

In addition, students must complete:

SOCI Upper-level	27 cr.
SOCI 4000 level	6 cr.

Breadth Requirements

ACAD 1601	3 cr.
Humanities	3 cr.
Science	6 cr.

Note:

- A maximum of 6 credits of cross-listed courses may count toward a Specialization in Sociology.

Major in Sociology**Graduation Requirements**

In addition to the program requirements listed below, students must also satisfy the Bachelor of Arts degree requirements, which include regulations on first year and subject maximum and breadth requirements.

Program Requirements

- Students will need to achieve a minimum 60% average in the 36 credits presented for the Major in Sociology.

Students must complete 36 credits in the Major as follows:

SOCI 1016	Introduction to Sociology	3 cr.
SOCI 2016	Classical Sociological Theory	3 cr.
SOCI 2017	Contemporary Sociological Theory	3 cr.
SOCI 2126	Social Research Methods	3 cr.
SOCI 2127	Social Statistics and Data Analysis	3 cr.
SOCI 3016	Critical Perspectives on Sociological Theory	3 cr.
SOCI 3226	Survey Research	3 cr.

In addition, students must complete:

SOCI Upper-level	15 cr.
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Breadth Requirements

ACAD 1601	3 cr.
Humanities	3 cr.
Science	6 cr.

Note:

- A maximum of 6 credits of cross-listed courses may count toward a Major in Sociology.
- Students may complete an Honours BA double major if they obtain an overall average of 70% in each Major, and complete an additional three credits (minimum) at the 4000 level in each Major. Please refer to the Degree Requirement section for further information.

Minor in Sociology

A Minor in Sociology is available to students pursuing a program of study in a different discipline. Students will need to achieve a minimum 60% average in the 18 credits presented for the Minor. In addition to the requirements listed below, please refer to the Minor Requirements section.

Students must complete 18 credits in as follows:

SOCI 1016	Introduction to Sociology	3 cr.
SOCI Upper level	15 cr.	

Note:

- A maximum of 6 credits of cross-listed courses may count toward a Minor in Sociology.

Anthropology Stream

Students pursuing a Sociology program have the option of completing an Anthropology stream. In addition to the required courses for an Honours Specialization, Specialization, or Major in Sociology, students must complete 18 credits for the Anthropology Stream as outlined below:

ANTR 1006	Introduction to Anthropology	3 cr.
ANTR 2006	Cultural Anthropology	3 cr.
ANTR 3407	Topics in Anthropological Thought	3 cr.

Plus:

Nine credits in Anthropology or cross-listed courses with Anthropology

Certificate in Health Studies and Gerontology

The certificate in Health Studies and Gerontology consists of 18 credits as outlined below:

All of:

SOCI 2036	Introduction to Social Gerontology	3 cr.
SOCI 3186	Health and the Family	3 cr.

Twelve credits of:

SOCI 2196	Sociology of Medicine	3 cr.
SOCI 3057	Demography: Introduction to Population Studies	3 cr.
SOCI 3136	Ageism	3 cr.
SOCI 3146	Age and Culture	3 cr.
SOCI 3156	Women and Age	3 cr.
SOCI 3166	Social Epidemiology: The Social Determinants of Health	3 cr.
SOCI 3176	Age, Health, and Work I	3 cr.
SOCI 3177	Age, Health, and Work II	3 cr.

SOCI 4136	Social Theories in Aging	3 cr.
SOCI 4137	Selected Topics in Aging	3 cr.

This certificate is available to any graduating student who has otherwise met the requirements for the certificate.

Cross-Listed Courses

The following courses may be credited towards a Sociology program, up to a maximum of six credits: CRJS 1087, CRJS 2086, CRJS 3086, CRJS 3087, CRJS 3336, CRJS 3406, CRJS 3407, CRJS 3926, CRJS 3927, CRJS 4466, CRJS 4926, CRJS 4927, GEND 2157, GEND 3127, upper level Anthropology.

Spanish

Faculty of Arts and Science

Minor in Spanish

A Minor in Spanish is available to students pursuing a program of study in a different discipline.

A Minor in Spanish consists of a minimum of 18 credits of Spanish, with no more than six credits at the 1000 level. Students must achieve a minimum 60% average in the 18 credits presented for the Minor in Spanish.

In addition to the requirements listed above, please refer to the Minor Requirements section.

University Success

This discipline is not offered as a degree, but the courses in University Success may be credited as an elective in any other degree program.

Regional Campus: Muskoka

Programs of Study

The following degree programs are offered through Nipissing University's Muskoka Campus:

- Arts and Culture
- *Arts and Cultural Management
- Child and Family Studies (BA and BA/BEd)
- Liberal Arts

General Information

In 1996 Nipissing University opened its first regional campus in Bracebridge, Ontario, the heart of Muskoka. The Muskoka Campus offers students the opportunity to study in a safe and friendly location conveniently just two hours from Toronto or North Bay. In September 2008, the Muskoka Campus in Bracebridge opened its doors to a new, technologically advanced, 26,000 square foot academic building. The campus is located in Jubilee Park within close walking distance to all amenities and the main street shops and restaurants.

Our goal is to provide a high quality, personalized learning experience – one student at a time – and it's a journey made within an unparalleled sense of community. The campus offers students the opportunity to study full-time or part-time towards a Bachelor of Arts degree in three different majors, namely: Child and Family Studies, Arts and Culture or Liberal Arts. The campus also offers an exclusive Concurrent Education program for graduates of Early Childhood Education programs. Unique in Ontario, this program offers the opportunity to obtain an Honours Bachelor of Arts in Child and Family Studies concurrently with a Bachelor of Education – Primary Junior.

The Child and Family Studies program engages students in an interdisciplinary approach to the study of children and families. Drawing on disciplines such as psychology, sociology and social welfare, the program develops a broad and in-depth understanding of issues and themes related to children and families.

The Arts and Culture program focuses upon the interrelationships between the Arts (particularly visual arts and media) and Culture. The program is interdisciplinary and encourages students to broaden and deepen their understanding of the historical, ideological and theoretical conditions in which artistic expression and cultural values and practices take shape.

The Liberal Arts degree allows a student with broad interests to explore many disciplines rather than focusing on one area of study. The majority of these courses are offered in the Humanities and Social Sciences.

Orientation to Teaching (OTT) is applicable to all Muskoka Campus degrees. OTT consists of a set of courses, taken as part of an undergraduate degree, in preparation for the Bachelor of Education program. OTT allows Nipissing University students to assess their suitability for the Education program before their undergraduate degree is completed. For more information see the section A Nipissing Degree with Orientation to Teaching in the Index.

The success and satisfaction of our students is in no small part due to individualized attention, faculty/student interaction and our emphasis on services for students. Classes are taught in small, personalized settings that always inspire lively debate. All Nipissing University students have access to special support programs including Library Services, Career Counselling, Job Search workshops, Academic Skills Programs, Peer Tutoring resources and individualized assistance for special needs students. Muskoka Campus high school applicants are eligible for all Nipissing University entrance scholarships and bursaries.

The Muskoka Campus residence offers students either a two bedroom or four bedroom suite. Each fully furnished suite features private bedrooms, a kitchen with a fridge and stove, a living room and a full bathroom for every two students. Laundry facilities and common areas are located in the residence. Students are connected with local telephone and cable television in all bedrooms and living rooms and the provision of both wireless and wired high speed internet access. The residence has a full-time Residence Life Supervisor who works closely with Residence Dons to create a community built of mutual respect, learning and growing. The Muskoka Campus also maintains a complete list of off-campus housing opportunities for students. These range from individual apartments, shared houses or room and board opportunities.

Students at the Muskoka Campus are full members of the Nipissing University Student Union (NUSU). NUSU is the official body representing the student point of view at the university. Membership provides them with access to health care benefits, a locally elected union representative and a variety of social and recreational opportunities. Funding for NUSU is included in incidental fees.

**A Major in Arts and Cultural Management is only available when paired with an Arts and Culture program option.*

Programs

Arts and Culture

Bachelor of Arts

Faculty of Arts and Science

This section presents the requirements for the following program options in Arts and Culture:

- Honours Specialization
- Specialization
- Major

Arts and Culture Courses

CULT 4006	Honours Seminar in Arts and Culture I
CULT 4007	Honours Seminar in Arts and Culture II
CULT 4105	Research Essay in Arts and Culture
ENGL 1106	Introduction to English Studies I
ENGL 1107	Introduction to English Studies II
ENGL 2006	British Literature before 1800
ENGL 2007	British Literature after 1800
ENGL 2015	Theatre Production: Practice and Theory
ENGL 2207	Gender, Literature and Culture
ENGL 2255	Canadian Literature from the Colonial to the Contemporary Period
ENGL 2265	American Literature from the Colonial to the Contemporary Period
ENGL 2445	Children's Literature
ENGL 2605	Cultural Studies
ENGL 3036	Topics in Media Studies
ENGL 3146	Postcolonial Literature
ENGL 3276	Native Literatures of North America
ENGL 3277	Topics in the Native Literatures of North America
ENGL 3516	Creative Writing: Poetry
ENGL 3517	Creative Writing: Prose Fiction
ENGL 3606	Popular Culture
FAVA 1026	Art Fundamentals I
FAVA 1027	Art Fundamentals II
FAVA 1206	Art History I
FAVA 1207	Art History II
FAVA 2006	Drawing I
FAVA 2007	Drawing II
FAVA 2026	Painting I
FAVA 2027	Painting II
FAVA 2236	Modern Art and Design I
FAVA 2237	Modern Art and Design II
FAVA 3376	Canadian Art History I
FAVA 3377	Canadian Art History II
FILM 1005	Introduction to Film
FILM 2105	World Cinema
FILM 2845	The Director's Cinema
GEND 1025	Introduction to Gender Equality and Social Justice
GEND 2166	Women, Media and Representation
GEND 2305	Women in Cinema
GEND 2306	Art and Social Justice
GEND 3046	Queer Media
HIST 1000	level (maximum six credits)
HIST 3036	Topics in the History of Canadian Culture and Identity
HIST 3196	Canada in the Twentieth Century: Selected Problems
HIST 3346	First Nations in Historical Perspective
HIST 3355	History of Women in Canada

NATI 1005	Madjitang, in the Beginning... An Introduction to Native Studies
NATI 2005	Native Kinships with Environment
NATI 2016	Cultural Production in an International Environment
NATI 2025	Native Creativity and the Arts

Note:

- Upper level courses may have additional prerequisites in the disciplines concerned. Please see their respective section of the Academic Calendar.

Honours Specialization in Arts and Culture

Graduation Requirements

In addition to the program requirements listed below, students must also satisfy the Bachelor of Arts (Honours) degree requirements, which include regulations on first year and subject maximum and breadth requirements.

Program Requirements

- Students will need to achieve a minimum 70% average in the 60 credits presented for the Honours Specialization in Arts and Culture.

Students must complete 120 credits including 60 credits in the Honours Specialization as follows:

CULT 1005	Introduction to Arts and Culture	6 cr.
CULT 2006	Visual Culture I	3 cr.
CULT 2007	Visual Culture II	3 cr.
Arts and Culture Courses		42 cr.
CULT 4000 level		6 cr.

Breadth Requirements

Social Science and/or Professional Studies		6 cr.
Science		6 cr.
ACAD 1601	Academic Writing	3 cr.

Specialization in Arts and Culture

Graduation Requirements

In addition to the program requirements listed below, students must also satisfy the Bachelor of Arts (four-year) degree requirements, which include regulations on first year and subject maximum and breadth requirements.

Program Requirements

- Students will need to achieve a minimum 60% average in the 54 credits presented for the Specialization in Arts and Culture.

Students must complete 120 credits including 54 credits in the Specialization as follows:

CULT 1005	Introduction to Arts and Culture	6 cr.
CULT 2006	Visual Culture I	3 cr.
CULT 2007	Visual Culture II	3 cr.
Arts and Culture Courses		42 cr.

Breadth Requirements

Social Science and/or Professional Studies		6 cr.
Science		6 cr.
ACAD 1601	Academic Writing	3 cr.

Major in Arts and Culture

Graduation Requirements

In addition to the program requirements listed below, students must also satisfy the Bachelor of Arts degree requirements, which

include regulations on first year and subject maximum and breadth requirements.

Program Requirements

- Students will need to achieve a minimum 60% average in the 36 credits presented for the Major in Arts and Culture.

Note:

- Students may complete an Honours BA double major if they obtain an overall average of 70% in each Major, and complete an additional three credits (minimum) at the 4000 level in each Major. Please refer to the Degree Requirement section for further information.

Students must complete 36 credits in the Major as follows:

CULT 1005	Introduction to Arts and Culture	6 cr.
CULT 2006	Visual Culture I	3 cr.
CULT 2007	Visual Culture II	3 cr.
	Arts and Culture Courses	24 cr.

Breadth Requirements

	Social Science and/or Professional Studies	6 cr.
	Science	6 cr.
ACAD 1601	Academic Writing	3 cr.

Arts and Cultural Management

Major in Arts and Cultural Management

Note:

- The Major in Arts and Cultural Management must be combined with an Arts and Culture program option (Honours Specialization, Specialization, or Major).

Program Requirements

- Students will need to achieve a minimum 60% average in the 36 credits presented for the Major in Arts and Cultural Management.

Students must complete 36 credits in the Major as follows:

Core Courses 24 cr.

ACCT 1106	Introductory Financial Accounting I
ADMN 1156	Business for Non-Business Majors
MKTG 1126	Marketing Concepts
ORGS 1136	Introduction to Organizational Behaviour
ACMT 3006	Administration of Artistic and Cultural Organizations
ACMT 3007	Cultural Entrepreneurship
ACMT 4005	Arts and Cultural Management Senior Internship

Plus:

Additional Management courses 12 cr.

Students must choose 12 credits from any ACCT, ADMN, ORGS, MKTG or TMGT courses.

The following courses are recommended (3 credits each):

ACCT 1107	Introductory Financial Accounting II
ACCT 2146	Management Accounting and Control I
ADMN 3506	Management for Not-for-Profit Organizations
MKTG 2127	Marketing for Managers
MKTG 3416	Communications: Advertising and Promotion
MKTG 4426	Services Marketing Management
ORGS 1137	Management of Human Resources
TMGT 3006	Technology, Business and Society

Child and Family Studies

Bachelor of Arts

Faculty of Applied and Professional Studies

This section presents the requirements for the following program options in Child and Family Studies:

- Honours Specialization
- Concurrent Education with an Honours Specialization in Child and Family Studies (for ECE graduates)
- Specialization
- Major
- Minor

Core Degree Courses

CHFS 1006	Introduction to Child and Family Studies
PSYC 1106	Introduction to Psychology I
PSYC 1107	Introduction to Psychology II
SOCI 1016	Introduction to Sociology
SWLF 1006	Introduction to Social Welfare and Social Development
CHFS 2106	Human Development: Children and Youth
CHFS 2107	Human Development: Adults and Aging
CHFS 2206	Children, Families, and Social Justice
CHFS 3026	Methods in Behavioural Research
CHFS 3027	Analysis in Behavioural Research
CHFS 4005	Honours Seminar
CHFS 4105	Research Essay

Group 1 Human Development and Learning

CHFS 3116	Autism Spectrum Disorders
CHFS 3127	Fetal Alcohol Spectrum Disorders
CHFS 3136	Principles, Methods and Applications in Applied Behaviour Analysis
PSYC 2020	Developmental Psychology for Educators
PSYC 3405	Psychology of Education
PSYC 3615	Psychological Disorders in Children
SOCI 2006	The Child and Society
SOCI 2007	The Adolescent and Society
SOCI 2036	Introduction to Social Gerontology
SOCI 2037	Sociology of Family and Household Relationships
SOCI 2091	Sociology for Educators I: Social Theory and Education
SOCI 2092	Sociology for Educators II: Social Issues in Education

Group 2 Child and Family Well-Being:

Issues, Services, and Social Justice

CHFS 2216	Children's Rights
CHFS 2217	Selected Topics in Children's Rights
CHFS 3037	Multiculturalism, Race, and Childhood
CHFS 3105	Child Welfare: Critical Reflections
CHFS 3206	Case Studies: Marginalized Groups of Children
CHFS 3216	Caregivers and the Welfare of Children and Families
SWLF 2006	Ideology and Social Welfare
SWLF 2007	Poverty and Social Policy in Canada
SWLF 3406	Colonialism in First Nations' Communities
SWLF 3407	Social Development in First Nations' Communities
SWLF 3446	Women and Social Welfare
SWLF 3806	Family Violence
SOCI 3186	Health and the Family
SOCI 3506	Social Problems

Honours Specialization in Child and Family Studies

Graduation Requirements

In addition to the program requirements listed below, students must also satisfy the Bachelor of Arts (Honours) degree requirements, which include regulations on first year and subject maximum and breadth requirements.

Program Requirements

- Students will need to achieve a minimum 70% average in the 60 credits presented for the Honours Specialization in Child and Family Studies.
- Students admitted to this program with advance standing from a related college diploma program, such as Early Childhood Education, Child and Youth Worker, Social Services Worker, will be required to take 9 credits of: PSYC 1106 / PSYC 1107, SOCI 1016, and SWLF 1006.

Students must complete 120 credits including 60 credits in the Honours Specialization as follows:

CHFS 1006	Introduction to Child and Family Studies	3 cr.
PSYC 1106	Introduction to Psychology I	3 cr.
PSYC 1107	Introduction to Psychology II	3 cr.
SOCI 1016	Introduction to Sociology	3 cr.
SWLF 1006	Introduction to Social Welfare and Social Development	3 cr.
CHFS 2106	Human Development: Children and Youth	3 cr.
CHFS 2107	Human Development: Adults and Aging	3 cr.
CHFS 2206	Children, Families, and Social Justice	3 cr.
CHFS 3026	Methods in Behavioural Research	3 cr.
CHFS 3027	Analysis in Behavioural Research	3 cr.
CHFS 4005	Honours Seminar	
or		
CHFS 4105	Research Essay	6 cr.
CHFS Group 1		12 cr.
CHFS Group 2		12 cr.

Breadth Requirements

Humanities	6 cr.
Science	6 cr.

Note:

- It is recommended that students include ACAD 1601 in their first 30 Nipissing credits. ACAD 1601 will count towards three credits of the Humanities requirements.

Concurrent Education (BA/BEEd) for Early Childhood Education (ECE) graduates

*Faculty of Applied and Professional Studies
and Schulich School of Education*

Graduation Requirements

In addition to the program requirements listed below students must also satisfy the Bachelor of Arts (Honours)/Bachelor of Education (Concurrent) degree requirements. Please refer to the Degree Requirement section for further information.

Program Requirements

- In the 120 credits required for the Bachelor of Arts (Honours) in Child and Family Studies, students will normally take 24 credits in year 1, 30 credits in year 2 and year 3, and 6 credits in year 4. Within the 120 credits students will take their required

Core Degree Courses and Group requirements as outlined in the Bachelor of Arts (Honours) – Honours Specialization in Child and Family Studies program requirements. Students must also include the following: MATH 1070; six credits of Canadian History at the 1000, 2000 or 3000 level (and are restricted to a maximum of 12 credits of 1000 level History); six credits of Geography; and SOCI 2091 and SOCI 2092 (normally taken in year 4). Students are required to take six credits of Humanities. Six credits of English Studies are highly recommended.

Students must complete a minimum of 153 credits (P/J Division) and a total of 120 credits for a Bachelor of Arts degree (honours). The requirements for an Honours Specialization in Child and Family Studies are specified above. The minimum 33 credits (P/J Division) required for the Bachelor of Education (Concurrent) are as follows:

Year 1

EDUC 4102 (P/J)	Education and Schooling	3 cr.
EDUC 4434 (P/J)	Curriculum Methods I	2.5 cr.

Year 2

EDUC 2123 (P/J)	Observation and Practice Teaching II*	1 cr.
EDUC 4112 (P/J)	Language Arts	3 cr.
EDUC 4103 (P/J)	Educational Psychology and Special Education	3 cr.

Year 3

EDUC 3123 (P/J)	Observation and Practice Teaching III*	1 cr.
EDUC 4113 (P/J)	Language Arts	3 cr.
EDUC 4444 (P/J)	Curriculum Methods II	2.5 cr.

Year 4

EDUC 4133 (P/J)	Observation and Practice Teaching V* (13 weeks)	3 cr.
EDUC 4244 (P/J)	Visual Arts	1.5 cr.
EDUC 4254 (P/J)	Music Education	1.5 cr.
EDUC 4264 (P/J)	Health and Physical Education	1.5 cr.
EDUC 4274 (P/J)	Mathematics Education	1.5 cr.
EDUC 4284 (P/J)	Science Education	1.5 cr.
EDUC 4294 (P/J)	Social Studies	1.5 cr.

Note:

- *In order to practice teach in Ontario schools, students must provide a clear criminal reference check.
- Student may choose the following three credit option course in Education in year 2 or 3:
EDUC 1526 (P/J) Religious Education in Roman Catholic Schools

Specialization in Child and Family Studies

Graduation Requirements

In addition to the program requirements listed below, students must also satisfy the Bachelor of Arts (four-year) degree requirements, which include regulations on first year and subject maximum and breadth requirements.

Program Requirements

- Students will need to achieve a minimum 60% average in the 54 credits presented for the Specialization in Child and Family Studies.
- Students admitted to this program with advance standing from a related college diploma program, such as Early Childhood Education, Child and Youth Worker, Social Services Worker,

will be required to take 9 credits of: PSYC 1106 / PSYC 1107, SOCI 1016, and SWLF 1006.

Students must complete 120 credits including 54 credits in the Specialization as follows:

CHFS 1006	Introduction to Child and Family Studies	3 cr.
PSYC 1106	Introduction to Psychology I	3 cr.
PSYC 1107	Introduction to Psychology II	3 cr.
SOCI 1016	Introduction to Sociology	3 cr.
SWLF 1006	Introduction to Social Welfare and Social Development	3 cr.
CHFS 2106	Human Development: Children and Youth	3 cr.
CHFS 2107	Human Development: Adults and Aging	3 cr.
CHFS 2206	Children, Families, and Social Justice	3 cr.
CHFS 3026	Methods in Behavioural Research	3 cr.
CHFS 3027	Analysis in Behavioural Research	3 cr.
CHFS Group 1		12 cr.
CHFS Group 2		12 cr.

Breadth Requirements

Humanities	6 cr.
Science	6 cr.

Note:

- It is recommended that students include ACAD 1601 in their first 30 Nipissing credits. ACAD 1601 will count towards three credits of the Humanities requirements.

Major in Child and Family Studies

Graduation Requirements

In addition to the program requirements listed below, students must also satisfy the Bachelor of Arts degree requirements, which include regulations on first year and subject maximum and breadth requirements.

Program Requirements

- Students will need to achieve a minimum 60% average in the 36 credits presented for the Major in Child and Family Studies.
- Students admitted to this program with advance standing from a related college diploma program, such as Early Childhood Education, Child and Youth Worker, Social Services Worker, will be required to take 9 credits of: PSYC 1106 / PSYC 1107, SOCI 1016, and SWLF 1006.

Students must complete 36 credits in the Major as follows:

CHFS 1006	Introduction to Child and Family Studies	3 cr.
PSYC 1106	Introduction to Psychology I	3 cr.
PSYC 1107	Introduction to Psychology II	3 cr.
SOCI 1016	Introduction to Sociology	3 cr.
SWLF 1006	Introduction to Social Welfare and Social Development	3 cr.
CHFS 2106	Human Development: Children and Youth	3 cr.
CHFS 2107	Human Development: Adults and Aging	3 cr.
CHFS 2206	Children, Families, and Social Justice	3 cr.
CHFS Upper level	(including courses in Groups I and II)	12 cr.

Breadth Requirements

Humanities	6 cr.
Science	6 cr.

Note:

- Students may complete an Honours BA double major if they obtain an overall average of 70% in each Major, and complete an additional three credits (minimum) at the 4000 level in each Major. Please refer to the Degree Requirement section for further information.
- It is recommended that students include ACAD 1601 in their first 30 Nipissing credits. ACAD 1601 will count towards three credits of the Humanities requirements.

Minor in Child and Family Studies

A Minor in Child and Family Studies is available to students pursuing a program of study in a different discipline. Students will need to achieve a minimum 60% average in the 18 credits presented for the Minor in Child and Family Studies. In addition to the requirements listed below, please refer to the Minor Requirements section.

Students must complete 18 credits in Child and Family Studies as follows:

CHFS 1006	Introduction to Child and Family Studies	3 cr.
CHFS Upper level		15 cr.

Liberal Arts

Please refer to the Liberal Arts Program section for program requirements (page 124).

Regional Campus: Brantford

Offered through a partnership between Nipissing University and Wilfrid Laurier University.

This section presents the general admission requirements, specified academic regulations and program requirements for the following:

- Concurrent Honours Bachelor of Arts /Bachelor of Education

General Program Information

Nipissing University and Wilfrid Laurier University, Brantford campuses offer an innovative Honours BA/BEd program. The program combines Nipissing's long history of providing a teacher education program that aims to provide well-prepared teachers for Ontario schools, with Wilfrid Laurier's strengths in the liberal arts and sciences.

Graduates will receive an Honours Bachelor of Arts degree in Contemporary Studies from Wilfrid Laurier University and a Bachelor of Education degree from the Schulich School of Education at Nipissing University. The major for the Bachelor of Arts is Contemporary Studies, as an Honours degree and it can be combined with other minors or options. For a full program listing, please visit the WLU website www.laurierbrantford.ca. The five year program is offered entirely at the Brantford campuses of Nipissing University and Wilfrid Laurier University.

The Ontario Certificate of Qualification

1. Qualified candidates, who successfully complete both the Honours Bachelor of Arts Degree and the Bachelor of Education program, will be recommended for a Certificate of Qualification issued by the Ontario College of Teachers. The Certificate of Qualification records the teacher's divisions of concentration (from Kindergarten to Grade 12) 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 12). At Nipissing-Brantford, Bachelor of Education students can obtain qualifications in one of the following division combinations: Primary/Junior (P/J) or Junior/Intermediate (J/I).

Admission

Students apply on the OUAC 101 or 105 form for the Concurrent Education Program offered at the Wilfrid Laurier University, Brantford campus. Applicants should consult the Wilfrid Laurier University Academic Calendar for the appropriate application code for this program. OUAC 101 and 105 application forms and information about applying are available online.

Requirements for admission consideration to the Concurrent Education Program include an OSSD; a minimum average of 75% in six 4U and/or 4M courses (including ENG4U and a 4U Mathematics course); a minimum of 70% in ENG4U, and 60% in 4U Math. Applicants will be admitted based on their academic results, but are also encouraged to submit the WLU Applicant Background Summary form for consideration. Students interested in applying to the Honours BA (with French)/BEd program must also have FSF4U at 70%. Students interested in applying to the Honours BA (with Science)/BEd program must also have a 4U Chemistry at 60%.

Registration Procedures and Regulations

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

New Students

Registration information packages will be mailed to new students. New concurrent education students are strongly encouraged to attend a 'Headstart Orientation Session' in order to have assistance with course registration and academic advising. These sessions will be held during the spring/summer prior to the start of fall classes.

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

Academic Regulations/Information

Academic Courses

This section presents information on Academic Procedures and Regulations specific to Concurrent Education students at the Brantford campus. For all other procedures and regulations students must follow Nipissing University's Academic Procedures and Regulations.

Wilfrid Laurier Courses

Information pertaining to Wilfrid Laurier University BA courses can be found in the Wilfrid Laurier University Academic Calendar at: www.wlu.ca/calendars

Academic Services (Advising)

Students seeking academic advice on their BEd courses should contact the office of the Academic Advisor of the Concurrent Education Program and if desired, also make an appointment with the Dean of Education.

All students are responsible for ensuring that the courses in which they register meet the degree requirements of their programs.

Academic Standing

In the Laurier-Nipissing Concurrent Education program students must maintain the required GPA of 7.0 in each year, in both their Wilfrid Laurier (BA) courses, and Nipissing (BEd) courses, progress in their Honours program with a minimum Honours GPA of 5.0, where a minimum Honours GPA of 7.0 is required for graduation, as well as pass the "Observation and Practice Teaching" course, to continue in the program. Students who receive an average of 67% to 69% (or GPA of 6.0) in their Laurier courses) are permitted to progress into the following academic year, with a status of 'on probation'. Probation requirements hold that students are given one year to raise their academic average to 70% in order to continue in the Concurrent Education program. The GPA is accumulative. It is calculated from the beginning of entry into the university and is adjusted with each course and each semester. Students who meet the academic requirements but "Do Not Meet Expectations" in their Observation and Practice Teaching course will be considered on an individual basis. Students not meeting the overall average of 70% in either their Bachelor of Arts, or Bachelor of Education courses, will be required to withdraw from the program. (Academic courses in education require a minimum grade of 60% for a pass.) Averages for students in the BA are calculated using all grades in Laurier and the required Nipissing Arts courses (PSYC 2020, SOCI 2091 and SOCI 2092). All students required

to withdraw may appeal the decision to the Standing and Petitions Committee, at a specified date. Guidelines for the Operation of the Standing and Petitions Committee can be found within the Student Policies section in the Index.

Degree Requirements

Teacher Candidates will complete the degree requirements for the four year Honours Contemporary Studies program in which they are enrolled as well as the degree requirements for the Bachelor of Education program. Degree requirements for the Wilfrid Laurier Contemporary Studies program can be found in the Wilfrid Laurier Academic Calendar. Following are the degree requirements for the Bachelor of Education component of the Concurrent Honours BA/BEducation program.

To qualify for the Bachelor of Education degree in the **Primary / Junior Division**, a student must:

- Qualify for the Wilfrid Laurier Honours degree in Contemporary Studies with a minimum B average and successful completion of WLU courses CO 243, CO244 and Nipissing courses PSYC 2020, SOCI 2091 and SOCI 2092.
- Obtain a 'pass' in the following Observation and Practice Teaching courses: EDUC 4641, EDUC 4661, EDUC 4671, EDUC 4686 and EDUC 4687.
- Obtain a minimum overall average of 70% in the following courses: EDUC 4102, EDUC 4103, EDUC 4118, EDUC 4128, EDUC 4138, EDUC 4112, EDUC 4113, EDUC 4244, EDUC 4254, EDUC 4264, EDUC 4274, EDUC 4284, and EDUC 4294, with at least 60% in each.
- Obtain the required overall average and minimum grade requirements with no more than two attempts in any one course with the exception of EDUC 4687. EDUC 4687 may only be attempted once.

To qualify for the Bachelor of Education degree in the **Junior/Intermediate Division**, a student must:

- Qualify for the Wilfrid Laurier Honours degree in Contemporary Studies with a minimum B average and successful completion of WLU courses CO 243, CO 244 and Nipissing courses PSYC 2020, SOCI 2091 and SOCI 2092.
- Obtain a pass in the following Observation and Practice Teaching courses: EDUC 4651, EDUC 4681, EDUC 4691, EDUC 4696 and EDUC 4697.
- Obtain a minimum overall average of 70% in the following courses: EDUC 4202, EDUC 4203, EDUC 4218, EDUC 4228, EDUC 4238, EDUC 4116, EDUC 4117, EDUC 4308, EDUC 4314, EDUC 4324, EDUC 4334, EDUC 4344, EDUC 4354, with at least 60% in each.
- Obtain the required overall average and minimum grade requirements with no more than two attempts in any one course with the exception of EDUC 4697. EDUC 4697 may only be attempted once.
- Students in the Junior/Intermediate Division must obtain at least 60% in one of the electives listed in the Junior/Intermediate Division.

Junior/Intermediate French Teachable

Three full courses in French are required. No more than one full course can be at the first year level. Applicants must possess oral and written fluency in the French language and a thorough knowledge of grammar.

iTeach Program

Teacher Candidates are provided with opportunities to acquire the skills, knowledge and perspectives required to successfully integrate educational technology (ET) to enhance teaching and learning experiences in 21st century classrooms. Various forms of ET are provided for student access and exploration (interactive whiteboards – SMART/Promethean, digital document cameras, personal response systems – clickers, educational software). The iTeach Program provides students with ongoing professional learning opportunities during both on-campus activities (course work, workshops, drop-in centre support) and off-campus practicum experiences (integrating ET within practice teaching sessions).

Grade Appeals

BA courses from Wilfrid Laurier University will be appealed in accordance with the Wilfrid Laurier University policy available in the Laurier Brantford Dean's Office.

Education course appeals and petitions will follow the Nipissing University Guidelines for the Senate Committee on Student Appeals and Individual Appeals Panels. More information can be found within the Student Policies section, or by contacting the Academic Advisor.

Limitations on Courses

Students enrolled in the Concurrent Education Program may only make two attempts to complete a course with the exception of Observation and Practice Teaching 5 (EDUC 4687 for the Primary/Junior division, EDUC 4697 for Junior/Intermediate division). This course may not be deemed unsuccessful in its entirety. When a second attempt on a course is made, the higher grade obtained of the two attempts will be used in the calculation of averages. If a student fails the course on a second attempt after first passing, then the credits obtained on the first attempt will be kept. A student may attempt a course for a third time, only with the approval of the Dean of Education.

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 examinations are not returned to students but are kept on file by the Office of the Dean of Education for a minimum of 60 days after official notification of final grades;

- i) For each course, a final marks sheet is completed, signed by the instructor and the Dean of Education and then submitted to the Office of the Registrar within five calendar days of the exam and/or final day of class. The signature of the Dean of Education indicates that the marks submission is consistent with existing practices and policies of the Faculty;
- j) 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 Schulich School of Education and released by the Office of the Registrar;
- k) The final marks issued by Nipissing University are the only ones accepted as binding.

Final Examinations

Final examinations for each course are mandatory, except where otherwise approved by Senate, and are scheduled by 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.

Review of Final Examinations

Students may request in advance to view their examination papers in the Office of the Dean of Education. 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 sixty days 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 no 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.

Laurier-Nipissing Concurrent Education Program

Schulich School of Education

This section presents the requirements for the following:

- Honours BA/BEd Primary/Junior Academic Program
- Honours BA/BEd Junior/Intermediate Academic Program

Program Requirements

Following is a listing of the requirements for both Nipissing University and Wilfrid Laurier. Please refer to the Wilfrid Laurier University course calendar for further information on non-Nipissing University courses.

Laurier-Nipissing Concurrent Education Program

Honours BA/BEd Primary/Junior Academic Program

Year 1

- BA Laurier courses consisting of:
CO243 and CO244
CT121
0.5 credit selected from CT111, CT120
2.0 additional credits
- BEd Nipissing courses consisting of:
EDUC 4102 Education and Schooling
EDUC 4118 Curriculum Methods – Part 1
EDUC 4641 Observation and Practice Teaching 1

Year 2

- BA NU PSYC 2020 (excludes PS275 at WLU)
3.0 Laurier credits
- BEd Nipissing courses consisting of:
EDUC 4103 Educational Psychology and Special Education
EDUC 4112 Language Arts
EDUC 4128 Curriculum Methods – Part 2
EDUC 4661 Observation and Practice Teaching 2

Year 3

- BA SOCI 2091 and SOCI 2092
(equivalent to SY316* at WLU)
3.5 Laurier credits
- BEd Nipissing courses consisting of:
EDUC 4113 Language Arts
EDUC 4138 Curriculum Methods – Part 3
EDUC 4671 Observation and Practice Teaching 3

Year 4

- BA 4.5 Laurier credits
- BEd Nipissing courses consisting of:
EDUC 4254 Music Education
EDUC 4274 Mathematics Education
EDUC 4294 Social Studies
EDUC 4686 Observation and Practice Teaching 4

Year 5

- BA 3.0 Laurier credits
- BEd Nipissing courses consisting of:
EDUC 4244 Visual Arts
EDUC 4284 Science Education
EDUC 4264 Health and Physical Education
EDUC 4687 Observation and Practice Teaching 5

Education Option Courses:

- EDUC 1526 Religious Education in Roman Catholic Schools
EDUC 4706 Kindergarten: Curriculum Theory and Practice
EDUC 4986 Education of Native Canadians
EDUC 4807 International Teaching
EDUC 4806 ESL Across the Curriculum
EDUC 4816 Application of Multimedia Technology in Education
EDUC 4707 Music Education through Technology

Honours BA/BEd Junior/ Intermediate Academic Program

Year 1

- BA Laurier courses consisting of:
CO243 and CO244
CT121

0.5 credit selected from CT111, CT120 or CT122
 1.0 credit in teachable subject
 1.0 elective credit

- BEd Nipissing courses consisting of:
 EDUC 4202 Education and Schooling
 EDUC 4218 Curriculum Methods – Part 1
 EDUC 4651 Observation and Practice Teaching 1

Year 2

- BA NU PSYC 2020 (excludes PS275 at WLU)
 3.0 Laurier credits
- BEd Nipissing courses consisting of:
 EDUC 4203 Educational Psychology and Special Education
 EDUC 4116 Language Arts
 EDUC 4228 Curriculum Methods – Part 2
 EDUC 4681 Observation and Practice Teaching 2

Year 3

- BA SOCI 2091 and SOCI 2092
 (equivalent to SY316* at WLU)
 3.5 Laurier credits
- BEd Nipissing credit consisting of:
 EDUC 4117 Language Arts
 EDUC 4238 Curriculum Methods – Part 3
 EDUC 4691 Observation and Practice Teaching 3

Year 4

- BA 4.5 Laurier credits
- BEd Nipissing courses consisting of:
 EDUC 4314 Music Education
 EDUC 4334 Mathematics Education
 EDUC 4354 Social Studies
 EDUC 4696 Observation and Practice Teaching 4

The J/I Division requires one of the following as a Teachable/
 Elective:

English, EDUC 4406
 Geography, EDUC 4446
 History, EDUC 4456
 Mathematics, EDUC 4466
 Religious Studies, EDUC 4586
 French as a Second Language, EDUC 4436

Year 5

- BA Laurier courses consisting of:
 3.0 Laurier credits
- BEd Nipissing courses consisting of:
 EDUC 4308 Visual Arts
 EDUC 4344 Science Education
 EDUC 4324 Health & Physical Education
 EDUC 4697 Observation and Practice Teaching 5

Education Option Courses:

EDUC 1526 Religious Education in Roman Catholic Schools
 EDUC 4706 Kindergarten: Curriculum Theory and Practice
 EDUC 4986 Education of Native Canadians
 EDUC 4807 International Teaching
 EDUC 4806 ESL Across the Curriculum
 EDUC 4816 Application of Multimedia Technology in Education
 EDUC 4707 Music Education through Technology

Graduate Studies

Important Dates (page 163)

Admission and Registration Information (page 164)

Graduate Funding (page 166)

General Academic Regulations and Information (page 170)

Graduate Programs (page 172)

School of Graduate Studies Governance (page 175)

Graduate Studies

Important Dates

The School of Graduate Studies operates on a trimester basis, with three terms defined as: fall term (September to December); winter term (January to April); and spring/summer term (April to August). The academic year begins with a fall term followed by a winter term. Individual programs may have specific time related requirements.

Section Dates:

FA	September 9, 2013 – December 6, 2013
WI	January 6, 2014 – April 4, 2014
SS	May 5, 2014 – August 1, 2014

AUGUST 2013

Mon. 5	Civic Holiday – University Closed
Tues. 6 – Fri. 16	MEd Thesis Defence dates
Mon. 19 – Fri. 30	MA/MSc/MES/MESc Thesis & MRP Defence dates – Summer

SEPTEMBER

Mon. 2	Labour Day – University Closed
Fri. 6	Graduate Student Orientation (GSO)
Mon. 9	Fall term classes begin
Fri. 20	Graduate Studies at Nipissing Information Session

OCTOBER

Mon. 14	Thanksgiving – University Closed
Mon. 14 – Fri. 18	Study Week

NOVEMBER

Thurs. 1	Natural Science & Engineering Research Council (NSERC) Post Graduate Scholarship Masters Deadline
Thurs. 15	MRP Submission Deadline – Fall

DECEMBER

Mon. 3 – Wed. 14	MEd Thesis Defence dates
Fri. 6	Last day of Fall term classes
Mon. 10	Social Sciences & Humanities Research Council (SSHRC) Canada Graduate Scholarship Masters & Doctoral Deadline
Mon. 10	Canadian Institutes of Health Research (CIHR) Canada Graduate Scholarship Masters & Doctoral Deadline
Mon. 9 – Fri. 20	Final exam period
Mon. 9 – Wed. 18	MRP Defence dates – Fall

JANUARY 2014

Mon. 6	Winter term classes begin
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FEBRUARY

Fri. 3	Application Deadline for all Graduate Programs Ontario Graduate Scholarship deadline
Mon. 17– Fri. 21	Study Week

MARCH

Fri. 14	MRP Submission Deadline – Winter
Mon. 24 – Fri. April 4	MEd Thesis Defence dates

APRIL

Tues. 1	Deadline to apply to graduate for 2014 Spring Convocation
Tues. 4	Last day of Winter classes
Wed. 9 – Sat. 26	Final exam period
Tues. 22 – Fri. May 2	MRP Defence dates – Winter
Fri. 18	Good Friday – University Closed
Mon. 21	Easter Monday – University Closed

MAY

Wed. 7	Graduate Research Conference
Mon. 12	(MA/MSc) MRP Proposal Approval deadline
Mon. 19	Victoria Day – University Closed

JULY

Tues. 1	Canada Day – University Closed
Mon. 21	(MA/MSc/MES/MESc) MRP/Thesis Submission deadline – Summer

AUGUST

Mon. 4	Civic Holiday – University Closed
Mon. 12 – Fri. 23	MEd Thesis Defence dates
Mon. 18 – Fri. 29	(MA/MSc/MES/MESc) MRP/Thesis Defence dates – Summer

Admission and Registration Information

Minimum Admission Requirements

Each program sets its own admission criteria however, the School of Graduate Studies (SGS) has established the minimum admission requirements for all programs as follows:

1. The normal minimum admission requirement is a four-year undergraduate degree or equivalent as recognized by Nipissing University in an appropriate discipline, with a minimum B standing. For master's degrees with a Thesis or Major Research Paper (MRP), where appropriate to the program for which the candidate applies, preference will be given to applicants with an honours degree with an independent research component (such as an honours Thesis or research paper).
2. All applicants are required to provide at least three letters of recommendation from professors or other appropriate professionals who can speak to their level of preparation and readiness for graduate studies. At least two of the references must be from someone qualified to address the academic ability and competence of the applicant to undertake graduate studies. Reference letters cannot be completed by anyone who is personally related to the applicant.
3. All applicants are required to write a statement of approximately 500 words explaining the value of undertaking a master's degree for their specific circumstances. Depending on the requirements of the program, applicants may also be asked to write a statement about their research interests and their desired area of Thesis or Major Research Project.
4. Applicants may also be asked to submit supplemental information, such as GMAT or English Language Proficiency scores, as appropriate.

It is understood that admission to graduate programs is limited and, therefore, applicants who meet or exceed the minimum admission requirements are not guaranteed admission.

Offers of Admission

Only offers of admission from the Office of the Registrar are valid. Communication with a program representative (including the Graduate Advisor/Graduate Chair) or a faculty member does not constitute an offer of admission. Nipissing University may revoke an offer of admission or cancel registration in the program if it finds that the applicant has provided false or incomplete information.

Admission Process

Regular Admission

Applications for each program are reviewed by the Program Admissions Committee (PAC). The PAC forwards a recommendation for admission to the Dean/ Assistant Vice President,

Research and Graduate Studies or Designate. Offers of admission may have conditions attached, which may have to be met before registration is permitted. Approved applications for admission are forwarded by the Dean/ Assistant Vice President, Research and Graduate Studies or Designate to the Office of the Registrar. Borderline or questionable cases for admission will be dealt with by the Graduate Advisor/Faculty Graduate Chair in consultation with the Dean/ Assistant Vice President, Research and Graduate Studies or Designate. The decision of the Dean/ Assistant Vice President, Research and Graduate Studies or Designate on admissions is final and is not subject to appeal.

For programs where it is appropriate, the Dean/ Assistant Vice President, Research and Graduate Studies or Designate will take relevant funding considerations (such as scholarships and other forms of student financial support) into account when considering a recommendation for admission. In some programs students will not be admitted without appropriate levels of committed funding. The decision of the Dean/ Assistant Vice President, Research and Graduate Studies or Designate is final and is not subject to appeal by the student.

Conditional Admission

In exceptional circumstances, applicants may be accepted into a graduate program subject to the successful completion of conditions in addition to the regular admission requirements.

Special Admission

Applicants who do not meet minimum admission requirements may be considered for exceptional or special admission at the discretion of the relevant program's Graduate Advisor. Further information is available in the School of Graduate Studies website.

English Language Proficiency (ELP) Requirements

Applicants whose first language is not English are required to submit the results of an acceptable English Language Proficiency test, with the minimum scores indicated below.

The following are the minimum ELP requirements for admission to the School of Graduate Studies; in addition each program will have minimum language requirements specific to their program:

- TOEFL iBT, with a minimum score of 80 and with no less than 20 in each section of the test, or
- IELTS, with an overall score of no less than 6 and with no band less than 6, MELAB, with an overall score of 90%, or
- Pearson Test (PTE Academic), with a minimum overall score of at least 67 and at least 60 in reading, writing, listening and speaking, or
- MELAB, with a minimum overall score of 90%.

The required minimum scores must be submitted before the candidate can be considered for admission.

The English Language Proficiency requirement may be waived for applicants who are graduates of English language universities. Please contact the Office of the Registrar for additional information.

Time-to-Completion Regulations

Academic Year

The School of Graduate Studies operates on a trimester basis, with three terms defined as: fall term (September to December); winter term (January to April); and spring/summer term (May to August). The academic year begins with a fall term followed by a winter term.

Program	Full-time	Flex-time	Part-time
	Max	Max	Max
Doctor of Philosophy in Education	6 years	not avail	not avail
MA History (1 year MRP)	2 years	not avail	6 years
MSc Math (1 year MRP)	2 years	not avail	6 years
MESc/MES (1 year MRP)	2 years	not avail	6 years
MESc/MES (2 year Thesis)	3 years	3-4 years*	6 years
MEd 2 year Thesis/MRP/ Course Based	2 years (option to extend an extra year)	3-4 years*	6 years

A year is based on three terms: fall, winter, spring/summer

**first two years as full-time student, drop to part-time if one or more years is needed to complete the program*

Maximum Registration

In the event that a student does not complete the program by the maximum duration period (which includes the allotted 3, single-term extensions), he/she will be withdrawn from the program for failure to complete. Should the student wish to appeal the withdrawal from their graduate program and continue beyond the maximum duration period, he/she would be required to submit an appeal for a time extension to the School of Graduate Studies, including the following elements:

- a rationale for the requested extension, outlining why the graduate student is unable to complete the program within the stipulated time frame;
- an evaluation report from the student's advisory committee which includes a letter of recommendation from the student's faculty advisor in support of the request for extension;
- an approved plan of study for timely degree completion, signed by the student, the faculty advisor, and the research supervisor.

In the event that the student, faculty advisor, and research supervisor are unable to agree on a plan of study for degree completion, the Assistant Vice President, Research and Graduate Studies/Dean or Designate would be expected to provide a letter commenting on the feasibility of the plan provided by the student.

The Assistant Vice President, Research and Graduate Studies/Dean or Designate will grant or deny the request for the extension based on the submissions provided. Where the Assistant Vice

President, Research and Graduate Studies/Dean or Designate supports the request, he/she may also provide advice and recommendations on the proposed plan of study. The student will be charged the appropriate continuation fee(s). Failure to complete the degree program within the prescribed time frame following the appeal to the Assistant Vice President, Research and Graduate Studies/Dean or Designate will result in withdrawal from the program and cannot be appealed.

Where the Assistant Vice President, Research and Graduate Studies/Dean or Designate denies the request, the student may appeal to the Standing and Petitions Committee. An appeal to the Standing and Petitions Committee involves an examination of all relevant documents and evidence to determine the appropriateness of a finding. The procedures for submitting a petition to the Standings and Petitions Committee can be found in the University Regulations section of the Academic Calendar.

Continuous Registration

All graduate students must maintain continuous registration in each consecutive semester of study until they have completed the requirements of their program. It is the student's responsibility to ensure they are registered by the appropriate deadline for each term.

Students who have failed to register or re-register by the deadline, and have not been granted a Leave of Absence, will be registered in a University placeholder course and will be assessed appropriate fees. Students who have failed to register or re-register for two consecutive terms will be considered to have left the program and will be withdrawn.

Students wanting to complete their program after they have been withdrawn from their program must apply for re-admission and pay the application fee. Students should be aware that in the event of readmission, continuation of the same research project and/or supervisor cannot be guaranteed. Additionally, it is possible that students will be unable to count previously earned graduate credits toward the completion of their degree.

Extensions

Under exceptional circumstances, the Dean/Assistant Vice President, Research and Graduate Studies or Designate, may permit the time to completion may be extended by one term to a maximum of three terms. All requests for extensions shall use the appropriate form and should be directed to the Graduate Advisor/Graduate Chair who will make a recommendation to the Dean/Assistant Vice President, Research and Graduate Studies or Designate.

Leave of Absence

The requirement of continuous registration supports students toward the timely completion of their studies. However, the university recognizes that from time to time students may need to be absent from their studies. Upon recommendation of the Graduate Advisor/Graduate Chair, the Dean/Assistant Vice President, Research and Graduate Studies or Designate may grant the following leaves of absence:

Note: Leaves of absence may not be used to pursue any activities which form part of a study plan (such as field experience, individual study, directed study or individual research), or for which any form of residual program credit might otherwise be requested.

Elective Leave of Absence

Students applying for an elective leave of absence do not have to provide grounds for their request as long as it is submitted in a timely fashion.

Restrictions:

- An elective leave of absence is granted for only one term over the course of the degree program; and
- students must have already completed at least two terms of study.

Exceptional Circumstances Leave of Absence

Students applying for a leave of absence under exceptional circumstances are students who are facing a type of hardship that takes them away from their studies, such as medical, professional or compassionate circumstances.

Restrictions:

- An exceptional circumstances leave of absence is granted for up to three terms during the course of the degree program.

Maternity Leave of Absence

Available to students, during and immediately, following a pregnancy.

Restrictions:

- A maternity leave of absence is granted for up to three terms per pregnancy during the course of the degree program.

Parental Leave of Absence

Available to students for whom parental responsibilities are such that they require the student to be absent from their studies.

Restrictions:

- A parental leave of absence is granted for only one term per child over the course of the degree program.

No Course Available Leave of Absence

Available to students who have yet to complete course work if no suitable course is offered in any given term.

Restrictions:

- A no course available leave of absence is granted on a term-by-term basis only during the course of the degree program; and
- does not apply if the student is registered as working on a thesis or major research paper, or has an incomplete grade or in-progress grade at the end of the previous term.

Once on leave, students will neither be registered nor will they be required to pay fees for this period. In general, students on leave may not make demands upon the resources of the University (such as the library, laboratories or gymnasium), attend classes, or expect advice from their supervisor. Students on leave will not be eligible to receive internal awards or funds from Nipissing University. In the case of other graduate student awards or funds, the regulations of the particular granting agency apply.

Except where noted and in special circumstances, it is not expected that a student will be granted more than one leave of absence. An elective leave of absence will only ever be approved once. Requests for a leave of absence must be received prior to the registration deadline of the term to be effective for that term. Requests received after the registration deadline will only become effective

in the following academic term. Requests cannot be approved retroactively.

Voluntary Withdrawal

Students who withdraw from a graduate program are to immediately inform the Graduate Advisor/Graduate Chair and their Research Supervisor in writing, using the Voluntary Withdrawal form. Immediate notification is important since the amount and speed of possible fee reimbursement is influenced by the date of withdrawal. The Graduate Advisor/Graduate Chair will forward the withdrawal notice to the Assistant Vice President Research & Graduate Studies.

A withdrawal is not official until it has been received by the Assistant Vice President Research & Graduate Studies and the Registrar's Office. Under no circumstances will the Assistant Vice President Research & Graduate Studies back-date a withdrawal notice.

After a request to voluntarily withdraw has been processed by the Office of the Registrar, the student is then officially withdrawn. In all but Thesis or MRP, a mark of "W" (Withdrawn) or "F" (Failed) may appear on a student's academic record, depending on the date that the withdrawal request has been received. In an MRP or Thesis course, a mark of "W" will appear on the student's academic record.

Discontinuing attendance in classes, failure to submit any assignments, notification to the instructor, or stopping payment on a cheque, do not constitute official withdrawal.

Tuition and other Fees

Graduate students pay all required tuition and other fees as set by Nipissing University. Such fees are set on a per term basis.

Exit Surveys

The School of Graduate Studies will undertake Exit Surveys with all graduate students upon their completing or leaving their program. The results of the surveys will be used for ongoing monitoring of program quality control.

Graduate Funding

Graduate funding comes from a number of sources including external grant scholarships (SSHRC, NSERC, OGS, others...), faculty research grants within the department, Nipissing University Graduate Scholarships and Research Fellowships, and Research and Teaching Assistantships. The School of Graduate Studies will send out letters of offer concerning Internal funding for graduate students at the same time it sends out letters of admission. Funding may also be offered at other times as new funding becomes available.

Applicants receiving an offer of admission and/or funding are expected to review, be aware of, and comply with the information provided. By accepting the offer of admission and funding, applicants are acknowledging:

- that they understand and will comply with the information outlined in this document, including but not limited to: the terms and conditions of admission; and terms, conditions and eligibility for funding; and
- that the information provided to the university is, to the best of their knowledge, accurate, true and compliant with university policy.

Validity of Offer of Admission and Funding

The offer of admission and funding expires after the response deadline. Please note the acceptance is not valid without payment of the non-refundable deposit by the deadline date. After this date, the offer of admission and funding will no longer be valid, and the option to accept the offer will expire. The offer of admission and funding will clearly outline the program of study, term of admission, full or part-time status, and funding.

Internal

Nipissing University Graduate Scholarships (NUGS)

Nipissing University Graduate Scholarships (NUGS) support graduate students who are enrolled in a full time graduate level program. The School of Graduate Studies funds a limited number of NUGS each year. NUGS support students in research that contributes to the student's program of study and usually results in a thesis or major project. Any research that is conducted under a NUGS varies and may be used to enhance the level of funding for students who have external awards or as a student's only source of funding. NUGS are not payment for employment. NUGS are paid periodically throughout the year and there is no hourly rate or any set value. These payments are not considered employment income by the university and no tax deductions are made at source. A T4A will be issued for tax purposes. The value of a NUGS varies by program and/or student.

Value: Variable. Contact your graduate programs for details.

Deadline for Application: N/A

Eligibility:

Applicant must be registered full-time and meet the graduate program conditions for progression towards the degree.

How to Apply: Eligible students are nominated by their graduate program.

Ontario Graduate Scholarships (OGS)

The Ontario Graduate Scholarship Program is jointly funded by the Ontario Ministry of Training, Colleges and Universities and Nipissing University. The Ontario Graduate Scholarships are designed to encourage excellence in graduate studies at the master's and doctoral levels.

Annual Value: \$15,000 (\$10,000 from OGS and \$5000 from Nipissing University Graduate Scholarship)

Deadline for Application: February 3 2014, to the School of Graduate Studies

Eligibility to Apply:

Applicant must:

- plan to be enrolled full-time in a graduate program at an Ontario university;
- be a Canadian citizen, permanent resident or an international student studying on a study permit;
- have an A- (80%) average over the last two years of study if less than two years of graduate work OR the cumulative graduate average, if more than two years; and
- have not exceeded the lifetime maximum of four years of government-funded awards including OGS, and awards from CIHR, NSERC and SSHRC.

How to Apply: Online application

Nipissing University Research Fellowships (NURF)

Nipissing University Research Fellowships (NURF) support graduate students who are enrolled in a full time graduate level program. NURF are integrated into the research programs of one or more professors from funding that is usually obtained through research grants awarded to professors. A NURF supports students in research that contributes to the student's program of study and usually results in a thesis or major project. Any research that is conducted under a NURF must not be diversionary from the student's main MRP or Thesis (such diversionary work shall be categorized as a Graduate Research Assistantship (GRA) and will be subject to the 10-Hour Rule). The value of a NURF varies and may be used to enhance the level of funding for students who have external awards or as a student's only source of funding. A NURF is not payment for employment. A NURF is paid periodically throughout the year and there is no hourly rate or any set value. These payments are not considered employment income by the university and no tax deductions are made at source. A T4A will be issued for tax purposes.

If you are awarded additional fellowships, scholarships, bursaries and/or you secure outside employment, the financial commitment from the faculty and Nipissing University may be reconsidered.

Assistantships

One of the primary sources of funding for graduate students at Nipissing is Graduate Assistantships: Graduate Teaching Assistantships (GTA) and Graduate Research Assistantships (GRA). These are available to both domestic and international students. Normally, funding is not provided to part-time students. These sources of funding are administered by the student's home faculty.

Graduate Teaching Assistantships (GTA)

A GTA supports the teaching of undergraduate courses at Nipissing University. Teaching Assistantship support is administered by Research Services, the School of Graduate Studies and by faculty members who hold research grants or externally funded research contracts. Employment of registered graduate students as Graduate Teaching Assistants is governed by the provisions of the Ontario Council of Graduate Studies and Nipissing University School of Graduate Studies regulations. Please refer to your graduate program for specific information on the roles and responsibilities of a GTA. All Teaching Assistantship work is considered diversionary from the student's main MRP or Thesis research, and therefore graduate students are limited to a maximum of 10 hours of GTA work per week while enrolled in a full-time program of studies

(see 10-Hour Rule). These payments are considered employment income by the university and tax deductions are made at source. A T4 will be issued for tax purposes.

How to Apply: Eligible students are nominated by their graduate program for GTA positions.

Graduate Research Assistantships (GRA)

A GRA supports academic research at Nipissing University. Research Assistantship support is administered by Research Services, the School of Graduate Studies and by faculty members who hold research grants or externally funded research contracts. All Graduate Assistantship work is considered to be diversionary from the student's main MRP or Thesis research, and therefore graduate students are limited to a maximum of 10 hours of GRA work per week while enrolled in a full-time program of studies (see 10-Hour Rule). These payments are considered employment income by the university and tax deductions are made at source. A T4 will be issued for tax purposes.

How to Apply: Eligible students are nominated by their graduate program for GRA positions.

The 10-Hour Rule

As a member university of the Ontario Council on Graduate Studies, Nipissing is committed to ensuring full-time graduate students work no more than an average of 10 hours per week, in any capacity, for Nipissing University. This rule is in place to ensure full-time students are in a position to devote their time and energy to the requirements of their program of study. Students, if employed by Nipissing University, will work no more than an average of 10 hours per week at diversionary employment while away from his or her MRP or Thesis research. All Graduate Assistantships are considered to be diversionary and are subject to this rule, while scholarships and fellowships are not. In calculating this diversionary work average, it is recognized that employment opportunities for full-time students may fluctuate throughout the year. Students have a maximum diversionary work allocation of 250 hours in any 12-month period. Students who do not wish to be limited to 10 hours of paid employment during their studies are strongly encouraged to pursue part-time studies.

External

Loans

Ontario Student Assistance Program (OSAP) is issued based on financial need.

OSAP is a joint venture of both the Federal and Provincial governments: it is comprised of CSL (Canada Student Loans) and OSL (Ontario Student Loans). A single application is used in assessing a student's entitlement; however, the two government bodies use different policies to review the information provided. OSAP provides financial assistance for educational costs and basic living expenses. For further information go to osap.gov.on.ca or www.nipissingu.ca/departments/student-financial-services/student-awards-and-financial-aid.

How to Apply: Online Application

Tri-Council Scholarships

The Office of Research Services & Graduate Studies offers annual workshops in September detailing the various scholarship programs

offered by the government granting agencies. Information on how to apply for these scholarships, as well as helpful tips and tools are discussed at these workshops.

Natural Science and Engineering Research Council (NSERC)

NSERC Postgraduate Scholarships (PGS) provide financial support for masters and doctoral students in the natural sciences or engineering research programs.

Annual Value: \$17,300 to \$35,000

Deadline for Application: TBA

Eligibility to Apply:

The applicant must:

- be a Canadian citizen or a permanent resident of Canada;
- hold (or expect to hold) a university degree in science or engineering;
- have a 1st class (A- or 80%) average in EACH of the last 2 years of study (full-time equivalent);
- intend to undertake full-time graduate studies at the master's or doctoral level in the natural sciences or engineering disciplines.

*Consult the NSERC website to verify your eligibility as more conditions may apply.

How to Apply: Online Application

Social Sciences and Humanities Research Council (SSHRC)

The SSHRC Doctoral Fellowships and Master's Canada Graduate Scholarships programs seek to develop research skills and assist in the training of highly-qualified personnel (HQP) in the social sciences and humanities.

Annual Value: \$17,500 to \$35,000

Deadline for Application: TBA

Eligibility to Apply:

The applicant must:

- be a Canadian citizen or a permanent resident of Canada;
- have a 1st class (A- or 80%) average in EACH of the last 2 years of study;
- apply for support of first graduate degree and have completed no more than 12 months of study;
- not have previously received a master's level award from SSRHC, NSERC or CIHR.

How to Apply: Online application

Canadian Institutes of Health Research (CIHR)

The CIHR Doctoral Fellowships and Master's Canada Graduate Scholarships Awards administered by CIHR are intended to provide special recognition and support to students who are pursuing a master's or doctoral degree in a health related field in Canada.

Annual Value: \$17,500 to \$40,000

Deadline for Application: TBA

Eligibility to Apply:

The applicant must be:

- a trainee;

- a Canadian citizen or a permanent resident;
- applying for support to pursue their first graduate degree (i.e., Master's or PhD). All previous studies at the graduate level, regardless of discipline, either course-based or research-based, will be included in determining eligibility; and
- at the time of the CIHR deadline for application:
 - have completed or be in the last year of a Bachelor's degree; or
 - have been registered for no more than ten months as a full-time student at the Master's level; and/or
 - have been registered for no more than ten months as a full-time PhD student and were admitted to the PhD program directly from the Bachelor's degree;
- not have already held an award from SSHRC, NSERC, CIHR or any other federal source to undertake and/or complete a Master's or PhD degree.
- If applicable, at least one project participant, other than the Nominated Principal Applicant, must be a Supervisor.

How to Apply: Online application

Mackenzie King Memorial Scholarships

The Mackenzie King Scholarships for graduate study were established as an independent trust under the will of the late Rt. Hon. William Mackenzie King (1874-1950).

Two classes of Mackenzie King Scholarships are available to graduates of Canadian universities: the Open Scholarship and the Travelling Scholarship.

The Open Scholarship is available to graduates of Canadian universities who pursue graduate study in any discipline, in Canada or elsewhere. One Open Scholarship is awarded each year. The value has recently been about \$10,000 but it is subject to change.

The Travelling Scholarship is available to graduates of Canadian universities who pursue graduate study in the United States or the United Kingdom in the areas of international relations or industrial relations. Recently four scholarships of \$11,000 each have been awarded annually, but the number and the amount are subject to change.

Value: The value has recently been about \$10,000 but it is subject to change.

Annual Deadline for Application: February 1st

Eligibility to Apply:

The applicant must:

- be a graduate of any Canadian university who engages in (commences or continues) postgraduate study in any field, in Canada or elsewhere when tenure of the scholarship begins;
- engage in (commence or continue) postgraduate study, in the United States or the United Kingdom, of international relations or industrial relations (including the international or industrial relations aspects of law, history, politics and economics).

How to Apply: Online application

Agency Contact:

Website: www.mkingscholarships.ca

Phone: (604) 822-4564

Email: mkingscholarships@law.ubc.ca

Continuation of Funding

Continuation of all sources of funding from the University is dependent on maintaining good academic standing, high-quality research performance (where applicable) and availability of funds. Students who withdraw, change to part-time status, change programs, change research topics or supervisor, or fail to complete a term, may no longer be eligible for funding.

Funding for International Students

There are limited funding opportunities available for international students at Nipissing University. In order to obtain a study permit, international students must submit evidence of having enough funds to cover tuition and living expenses. Therefore, it is expected all international students attending Nipissing will be able to support themselves and any dependents during their studies.

International students in thesis-based programs may be eligible for an internal scholarship and/or assistantships, which are typically offered at the time of admission as outlined in this document.

Payment of Graduate Awards and Funding

Assistantships, such as the GRA and GTA, are coordinated through the faculty offices and are typically paid to students as outlined in the contract. Time sheets indicating the numbers of hours worked per week will be submitted to the School of Graduate Studies on the last day of each month.

Scholarships from the School of Graduate Studies are paid in three equal instalments (September, January, May) and are distributed via cheque by the SGS Coordinator.

Fellowships from graduate faculty are paid in three equal instalments (September, January, May) and are distributed via cheque by the SGS Coordinator.

Taxation of Awards and Funding

Employment, such as GTA and GRA, is taxable and will be subject to deductions at source for income tax purposes, such as EI and CPP.

Scholarships, fellowships and awards are not subject to source deductions for income tax, EI and CPP. This may not eliminate a student's own tax obligations and students may wish to set aside funds to cover any possible tax requirements. The university recommends students retain all funding documentation records.

Tuition and Fees

By accepting an offer of admission, it is understood that the student has reviewed the information and agree to pay in full the tuition and fees applicable to the program and full-time or part-time status. Information on tuition and fees can be found on our website at www.nipissingu.ca/academics/graduate-studies/tuition-and-fees.

Freedom of Information and Protection of Privacy Act

The University is compliant with the Freedom of Information and Protection of Privacy Act (FIPPA). Information provided to the University through your application for admissions, or other collection sources (e.g., response forms, registration changes, etc.), will be used for academic purposes.

Information on FIPPA:

www.e-laws.gov.on.ca/html/statutes/english/elaws_statutes_90f31_e.htm

Information on the University's compliance with FIPPA:

See "Privacy Statement" on page 39.

Third Party requests: Personal information will not be provided to third parties, including parents, family or friends, without the written consent of the student.

For more information on Graduate Funding please contact:

Sarah Clermont, Research and Graduate Studies Coordinator
 sarahc@nipissingu.ca
 Extension: 4198
 Office: F307

General Academic Regulations and Information

The University reserves the right to modify the academic programs and regulations at its discretion. The most current information is available from the School of Graduate Studies website. Each program may have specific regulations in addition to those listed below.

Program Regulations

Program of Studies Approval

The Program of Studies shall meet program requirements as approved by Senate, and includes the required courses (including directed studies), work terms or other practice-based components, any competency exams, scholarly components, or other requirements.

For a Master of Arts, Master of Science and Masters of Environmental Studies/Sciences, each student has a Program of Studies prepared by the Graduate Advisor and approved by the Assistant Vice President Research & Graduate Studies. In cases of programs with a Major Research Paper/Thesis component, consultation will include the Research Supervisor. The Program of Studies must be approved before the student registers in the program, and must include a detailed schedule for progress and completion.

In the Master of Education program, each admitted student will consult with his or her Graduate Faculty Advisor regarding the required courses, elective courses, and their Program of Study. In cases of programs with a Thesis component, consultation will

include the Research Supervisor. In the case of the MEd program, which has multiple options for completion (Thesis, MRP and the 9-course plus Research Project and Seminar), timeline requirements for choosing a route are found in the MEd handbook.

Program Requirements

Scholarly Content

All graduate programs at Nipissing have a defined scholarly research component, which may take the form of a Thesis, a MRP, or a Research Project and Seminar.

Where appropriate for the discipline or field, another specified activity designed to test the acquisition of analytical and interpretive skills may be used (such as a series of shorter research papers within courses, an exhibit of works, or a creative performance). In such cases, the appropriate scholarly content must be approved by the Assistant Vice President Research & Graduate Studies.

Practice-based Content

Where appropriate and possible, Master's programs at Nipissing have a defined practice-based component. This includes a co-op work program, a practicum, a work-term, a professional, community-or industry-based project/paper or Thesis, or some other form of practice-based or service-learning assessment.

Ethics in Research

The Tri-Council Policy Statement (TCPS) on Ethical Conduct for Research Involving Humans establishes the procedures and standards for the ethics review of research involving human subjects. All researchers, including graduate and undergraduate students, collecting data with human subjects should become familiar with this policy.

Article 1.1 of the TCPS guidelines outlines the conditions of Research Project/Papers/Theses that require review: all research that involves living human subjects requires review and approval by a Research Ethics Board (REB) before the research is started. This includes research funded by grants, scholarships, contracts and contributions, unfunded faculty research, graduate and undergraduate research, and administrative research. This also includes course permission to be submitted by professors if students are to work with human subjects as part of their course requirement. Such permission should be received prior to any assignment being undertaken by students. The REB must review and approve all research conducted on and off campus, by faculty, staff and students.

Grading

With the exception of MRPs or Theses and courses with a Pass/Fail grade, the standardized grading system for graduate courses at Nipissing University is:

A+	90-100%
A	85-<90%
A-	80-<85%
B+	76-<80%
B	70-<76%
F	<70%

Graduate students must receive a grade of B or higher to receive credit for a course; however, each program may have further specific degree requirements.

Required Withdrawal from University

Pending Senate Approval

- Students who receive a final mark of less than 70% in one graduate course will be placed on academic probation. If the course is a required one, students **MUST** repeat the course and obtain at least 70% in the repeated course.
- If a student receives a final mark of less than 70% in two graduate courses, the student will be required to withdraw from the university.
- Students who are required to withdraw from the university will not be eligible to receive funding for the remainder of the year.
- Students who are required to be withdrawn from the University for academic reasons and who wish to re-apply may do so after one calendar year following the required withdrawal date.

Appeals of Academic Decisions

Appeals are normally heard regarding possible inequities in the process used in grading. Should a student not be satisfied with an awarded grade, he or she may appeal using the appeal process found within the Academic Calendar.

MRP/Thesis Regulations

MRP/Thesis Title Approval

No later than the end of the first term (or equivalent for part-time students), the students shall register the title of their MRP/Thesis. The application has to be approved by their Research Supervisor and Second Reader (if applicable) before being submitted to the Assistant Vice President Research & Graduate Studies for final approval.

MRP/Thesis Oral Proposals

Individual programs may require the student to do an oral presentation as part of the MRP proposal.

For programs that require students to present their research proposals both the Research Supervisor(s) and Graduate Advisor/Chair will have to give their approval for the student to proceed with the writing of their MRP/Thesis.

Minimum Time to Review

The External Examiner must be given a minimum of two weeks to review a MRP or Thesis; however individual programs may have specific time-related requirements.

Thesis Supervisory and Examination Committees

The supervision and examination of all graduate theses at Nipissing will be administered by the SGS. Regulations are as follows:

Thesis Supervisory Committee

Graduate students who have been approved to complete a Thesis will have a Supervisory Committee established with a minimum of two members: the supervisor(s) and an additional graduate faculty member from the program or cognate discipline, or an expert from within the field. Two faculty members on the same Supervisory Committee may choose to act as co-supervisors.

Examination Committee

The Examination Committee for all Master's Thesis students consists of the Supervisory Committee plus an External Examiner, who shall be external to Nipissing University, and the Assistant Vice President Research & Graduate Studies, who shall be a faculty member of the Senate Graduate Committee. The Assistant Vice President Research & Graduate Studies or the Graduate Chair's or Graduate Advisor's designate, shall chair the examination.

All examinations shall consist of, in the following order, an advertised, public, oral presentation by the student, questions from the Examination Committee, and then questions from the public. In special circumstances the external examiner may be participating by videoconference or teleconference. The candidate and public attendees shall be asked to withdraw while the committee decides on the outcome of the examination. The outcome of a Thesis examination may be one of the following:

1. Unconditional pass
2. Pass conditional upon specific revisions (deadline set for receipt of revisions)
3. Fail with a provision to resubmit for another exam
4. Fail outright

Confidentiality in the examination process is essential when there is a proprietary requirement regarding the Intellectual Property (IP) content of the Thesis and where such an IP agreement has been signed between the relevant parties (student, supervisor, university, external partner) and has been approved by the Assistant Vice President Research & Graduate Studies.

MRP Supervisory and Examination Committees

The supervision and examination of all graduate students writing a Major Research Paper (MRP) at Nipissing University will be administered by the SGS. No MRP will be accepted for submission to an Examination Committee before it is completed. The regulations are as follows:

MRP Supervisory Committee

Students who have been approved to complete a Major Research Paper will have a Supervisory Committee established with a minimum of two members: the supervisor and an additional graduate faculty member from the program or cognate discipline, or an expert from within the field.

Master of Arts/Master of Science Examination Committee

The Examination Committee shall consist of the Supervisory Committee plus a third member, who shall be a member of the graduate faculty external to the program (but preferably from a cognate discipline or field). The Assistant Vice President Research & Graduate Studies or the Graduate Chair's or Graduate Advisor's designate, shall chair the examination.

The results of a MRP examination may be one of the following:

1. Unconditional pass
2. Pass conditional upon specific revisions (deadline set for receipt of revisions)
3. Fail with a provision to resubmit for another exam
4. Fail outright

Master of Education Examination Committee

The Examination Committee shall consist of the Supervisory Committee and shall be chaired by the Assistant Vice President Research & Graduate Studies or the Graduate Chair's or Graduate

Advisor's designate. The examiners will evaluate the paper and the outcome may be one of the following:

1. Unconditional pass
2. Pass conditional upon specific revisions (deadline set for receipt of revisions)
3. Fail with a provision to resubmit for another exam
4. Fail outright

MRP/Thesis Temporary Restricted Access

At least a month prior to the time of submitting the Thesis/MRP, a student may apply to the Assistant Vice President Research & Graduate Studies requesting that the Thesis/MRP be withheld from deposit in the library for an additional three (3) months.

For any additional period of six (6) months, the student must submit a request for extension one month prior to the termination of the previous period. The student's supervisor will be required to justify the extension of the restriction.

The period of restriction for which a student may apply will not exceed more than two years from the date of the degree being approved. There is no unlimited period of restriction.

Reasons for exemptions are as follows:

- **Publication:** to refrain from releasing data contained in the research while publications are prepared.
- **Patent:** disclosure of data or research results usually prevent the issuance of a patent. What has become public knowledge could not be patented.
- **Security and safety:** some data or information contained in the research could endanger the security or safety of individuals, including racial, ethnic and/or political persecution.
- **Actionable breach of confidence:** disclosure of information constitutes a breach of confidentiality agreement and is actionable by the owner of the information (e.g. intellectual property rights).
- **Third party liability:** due to publication of information third parties mentioned in the text could face legal challenge or liability.

Graduate Programs

Education

Education Graduate Advisor:

TBA

The MEd program is offered on a full and part-time basis. Both full- and part-time students can register for onsite courses (predominantly now offered at three main Nipissing University campuses in North Bay, Bracebridge, and Brantford), and for online courses.

Master of Education

Degree and Program Requirements

Students may complete the program through one of the following routes: Thesis Route, Research Paper Route, or Research Project + Seminar.

To graduate with a Master of Education students must:

- a) satisfy all of the stated requirements for the degree;
- b) successfully complete the following two core courses with a minimum grade of 70% in each course:
 - i) EDUC 5196 Understanding Education;
 - ii) EDUC 5157 Survey of Research Methods;
- c) successfully complete additional courses from any of the themes with a minimum grade of 70% in each course:
 - i) Adult Education (AE);
 - ii) Language and Literacy (LL);
 - iii) Leadership (L);
 - iv) Special Education (SE);
 - v) Teaching and Pedagogy (TP);
 - vi) Electives;
- d) successfully complete all courses in no more than two attempts;
- e) successfully complete one of the following:
 - i) EDUC 5454 Master's Thesis;
 - ii) EDUC 5115 Research Paper;
 - iii) EDUC 5186 Research Project + Seminar.
- f) Students pursuing the thesis route must successfully complete four additional 3-credit MEd courses with a minimum grade of 70%.
- g) Students pursuing the research paper route must successfully complete six additional 3-credit MEd courses with a minimum grade of 70% in each.
- h) Students pursuing the research project + seminar route must successfully complete seven additional 3-credit MEd courses with a minimum grade of 70% in each.

Additional Information

- a) Courses in the Fall, Winter, or Spring/Summer terms are scheduled in one of three ways:
 - i) on-site, over a series of weekends or weekly evening sessions;
 - ii) online;
 - iii) blended (onsite portion over a series of weekends or weekly evening sessions).

Please note that Fall/Winter terms are 12 weeks in length; Spring and Summer are each six weeks in length and are treated as one "term".
- b) Class hours, or equivalent online participation, will total at least 36 hours per 3-credit course.

Course Enrolment Per Term

Part-time students enrolled in the Master of Education program may register in one 3-credit course, in each of the Fall, Winter, and Spring/Summer terms. Full-time students must enrol in a minimum of three 3-credit courses in each of the Fall, Winter, and Spring/Summer terms, to a maximum of four 3-credit courses per term.

Residency Requirements

Students enrolled in the Master of Education program must successfully complete at least 18 credits at Nipissing University.

Doctor of Philosophy in Education

Degree and Program Requirements (30 credits):

To graduate with a PhD in Education students must:

- a) satisfy all of the stated requirements for the 30 credit degree. Credit will not be granted for courses with a grade of less than 70 or “B”;
- b) successfully complete the following 3-credit courses with a minimum grade of 70% in each course:
 - i) EDUC 6116 Critical Conversations in Educational Research;
 - ii) EDUC 6117 Critical Conversations in Educational Theory;
 - iii) EDUC 6126 Doctoral Seminar;
- c) participate in a summer institute residency program over two years (4 weeks each July) for required core courses (EDUC-6116 & EDUC 6117 in Year 1; EDUC 6126 in Year 2) held at the Nipissing University campus in North Bay;
- d) successfully complete three 3-credit elective Phd or MED/PhD courses from the current course listings as per availability throughout the calendar year;
- e) successfully complete EDUC 6127 Comprehensive Exam (2 qualifying papers);
- f) successfully complete Dissertation (Research Thesis Study) to the University’s standard (EDUC 6999);
- g) successfully meet the degree requirements within six years of first registration.

Core courses will be available through the summer institutes on an annual basis. All elective courses will not necessarily be available on a yearly basis. Candidates enrolled in the program should view the proposed course offerings list.

History

MA Graduate Advisor:

Dr. Hilary Earl: hearl@nipissingu.ca

This section represents requirements for the following:

Master of Arts in History

The Master of Arts in History exposes students to a range of historical debates and methodologies through a variety of seminars. The program has four fields of concentration: International, Gender, Canadian, and European history. A seminar in each of these fields will be available yearly. The program consists of course work and a Major Research Paper (MRP) and will normally be completed within a year. The MRP will provide students with an opportunity to engage in primary research as well as the major historiography of their research area. The MA is designed to train students for further graduate work such as entry into a PhD program and to develop research and writing skills useful for a wide array of other educational and career options. A special feature of the program is the annual Graduate Student Conference held each

spring at which students will present their MRP proposals to a wider audience.

Program Requirements

Students must successfully complete 24 credits as follows:

HIST 5006 Methods in Historical Research I	3 cr.
HIST 5007 Methods in Historical Research II	3 cr.

Students will also complete the follow seminar courses: 12 credits are earned in MA seminar courses. These credits are obtained from completing four 3.0 credit courses chosen from the field courses. Alternatively each MA student is permitted to take one Directed Studies course for 3.0 credits.

5000 level Canadian History	3 cr.
5000 level European History	3 cr.
5000 level International History	3 cr.
5000 level Gender History	3 cr.
HIST 5995 Major Research Paper	6 cr.

Degree Requirements

To graduate with a Master of Arts in History degree, students must:

- a) satisfy all stated requirements for the degree;
- b) complete the specified courses, with a minimum overall average of 70%, and a minimum grade of 70% in each course after no more than one attempt;
- c) not have failed more than one course (failed grades are not counted in the average);
- d) complete the program within the time-to-completion guidelines in the School of Graduate Studies Regulations document.

Mathematics

MSc Graduate Advisor:

TBA

This section represents the requirements for the following:

Master of Science in Mathematics

Program Requirements

Students will complete 24 credits as follows.

All students must successfully complete the following:

Core courses:

MATH 5066	General Topology	3 cr.
MATH 5086	Functional Analysis	3 cr.

Plus twelve credits from the following courses:

Note that not every course will be offered each year.

MATH 5036	Measure Theory	3 cr.
MATH 5056	Algebra	3 cr.
MATH 5046	Complex Analysis	3 cr.
MATH 5067	Introduction to Algebraic Topology	3 cr.
MATH 5236	Advanced Numerical Methods	3 cr.
MATH 5237	Computational Topology	3 cr.
MATH 5246	Optimization	3 cr.
MATH 5247	Cryptography & Coding Theory	3 cr.
MATH 5256	Graph Theory	3 cr.
MATH 6101	Selected Topics in Pure Mathematics	3 cr.
MATH 6201	Selected Topics in Computational Mathematics	3 cr.

In addition to the courses above, students will complete the following MRP course:

MATH 6001 Major Research Paper 6 cr.

Degree Requirements

To graduate with a Master of Science in Mathematics degree, students must:

- satisfy all stated requirements for the degree;
- complete the specified courses, with a minimum overall average of 70%, and a minimum grade of 70% in each course after no more than one attempt;
- not have failed more than one course (failed grades are not counted in the average);
- complete the program within the time-to-completion guidelines in the School of Graduate Studies Regulations document.

Environmental Studies & Environmental Science

MES Graduate Advisor:

Dr. Dan Walters: danw@nipissingu.ca

MESc Graduate Advisor:

Dr. Reehan Mirza: reehanm@nipissingu.ca

This section represents the requirements for the following:

Master of Environmental Studies/Science

Thesis Program Requirements

Students will complete 24 credits according to the Thesis option. In this option, students will complete four (4) 3-credit courses and write a Thesis worth 12 credits, normally within two years. Students in the Thesis option will complete the following:

Core Courses: (3 credits each)

ENST 5116 Perspectives on the Environment
 ENST 5117 Methods of Inquiry in Environmental Research
 ENST 5126 Geomatics for MES/MESc Graduate Students

Plus one (1) of the following specialty courses: (3 credits each)

MESc-Science specialty courses

ENST 5027 Spatial Computing
 ENST 5316 Remote Sensing for Environmental Monitoring
 ENST 5317 Topics in Forest Ecology and Management
 ENST 5326 Topics in Watershed Analysis and Modeling
 ENST 5327 Topics in Aquatic Behavior Ecology
 ENST 5347 Special Topics in MESc
 ENST 5656 Chemical Approaches to Air and Water Pollutants

MES-Studies specialty courses

ENST 5336 Topics in the Environmental History of Land and Subsistence
 ENST 5346 Integrated Watershed Management
 ENST 5347 Selected Topics in MES

Plus:

ENST 5454 Masters Thesis (12 credits)

Students in the Thesis option will complete a thesis, involving primary research and making a significant contribution to scholarship. Students are encouraged to publish the results arising from this work in a refereed journal. This paper will be defended before an Examination Committee.

Speaker Series/Graduate Conference (0 credits)

All students are required to participate in the regular program speaker series and to present their research at an academic conference, either at Nipissing University or elsewhere.

MRP Program Requirements:

Students will complete 24 credits according to the MRP option. In this option, students will complete six (6) 3-credit courses and write an MRP (Master Research Paper) worth 6-credits, normally within one year. Students in the MRP option will complete the following:

Core Courses: (3 credits each)

ENST 5116 Perspectives on the Environment
 ENST 5117 Methods of Inquiry in Environmental Research
 ENST 5126 Geomatics for MES/MESc Graduate Students

Plus three (3) of the following specialty courses: (3 credits each)

MESc-Science specialty courses

ENST 5027 Spatial Computing
 ENST 5316 Remote Sensing for Environmental Monitoring
 ENST 5317 Topics in Forest Ecology and Management
 ENST 5326 Topics in Watershed Analysis and Modeling
 ENST 5327 Topics in Aquatic Behavior Ecology
 ENST 5347 Special Topics in MESc
 ENST 5656 Chemical Approaches to Air and Water Pollutants

MES-Studies specialty courses

ENST 5336 Topics in the Environmental History of Land and Subsistence
 ENST 5346 Integrated Watershed Management
 ENST 5347 Selected Topics in MES

Plus:

ENST 5118 Major Research Paper (MRP): (6 credits)

Students in the MRP option write an MRP constituting either an original literature review or limited primary research. This paper will be evaluated by the supervisor and one other member of the graduate faculty, but will not be subject to an oral defence.

Speaker Series/Graduate Conference (0 credits)

All students are required to participate in the regular program speaker series and to present their research at an academic conference, either at Nipissing University or elsewhere.

Degree Requirements

To graduate with a Master of Environmental Studies/Master of Environmental Science degree, students must:

- satisfy all stated requirements for the degree;
- complete the specified courses, with a minimum overall average of 70%, and a minimum grade of 70% in each course after no more than one attempt;
- not have failed more than one course (failed grades are not counted in the average);

- d) Complete the program of study according to the time-to-completion guidelines in the School of Graduate Studies Regulations document.

School of Graduate Studies Governance

The mission of the School of Graduate Studies is to define and support excellence in graduate education at Nipissing University. To achieve this goal, the primary roles and functions of the School of Graduate Studies are to articulate a vision of excellence for the graduate community, to provide an inter-university perspective on graduate education, to enhance the intellectual and research community of scholars among graduate students and graduate faculty and to serve as an advocate for graduate education and graduate students within the institution. The Graduate Studies Council is the body that directs and oversees the administration of graduate education, defining what constitutes graduate education at Nipissing University, maintaining equity in program and degree standards across all academic disciplines, providing quality control over all aspects of graduate education and maintaining equity and fairness in the treatment of graduate students.

Graduate Studies Council

The Graduate Studies Council (GSC) prepares and recommends for approval to the Senate all institutional policies, procedures and regulations of the School of Graduate Studies. The GSC is engaged in the on-going review and oversight of all matters related to graduate studies, including but not limited to, graduate curriculum, academic regulations and policies (including degree and program requirements), academic standards, academic awards and academic or non-academic student services. The GSC sets the criteria for membership in the Graduate Faculty and oversees the development of new graduate programs.

Terms of Reference

The Graduate Studies Council is composed of the following members:

- Vice-President Academic & Research or Designate (non-voting);
- Assistant Vice President Research & Graduate Studies or Designate (non-voting);
- Registrar or designate (non-voting);
- Executive Director of Library Services or designate (non-voting);
- Deans of Faculties with graduate programs, or Designate;
- Graduate Advisors / Graduate Chairs or Designate from each graduate program; and
- 1 graduate student from each level of Graduate Studies.

The Graduate Studies Council has a mandate to:

- recommend to the Senate the new academic policies, procedures and regulations of the School of Graduate Studies;
- advise the Senate on the necessary resources and support for graduate studies and to recommend to the Senate the introduction of new services or changes to existing services which would enhance the graduate student experience or make the University more attractive to prospective graduate students;

- revise and up-date the regulations and procedures of current graduate programs for harmonization throughout the SGS;
- review student admission policies for graduate programs and make recommendations to the Assistant Vice President Research & Graduate Studies or Designate;
- ensure adherence to time-to-completion requirements;
- recommend to the Senate changes to graduate curriculum or proposals for new graduate programs;
- assist departments in the development of new graduate programs, in compliance with IQAP requirements;
- finalize proposals for new programs, including the Business Plan, before submission to APC and the Senate;
- make recommendations on any matter related to graduate studies to the appropriate Senate Committees (APC, URC);
- periodically review the overall graduate awards program of the University, and make recommendations to Senate regarding changes in the program;
- ensure that all existing and new graduate scholarships, medals, bursaries and other awards are consistent with established and approved terms, conditions and criteria. Review and approve nominations for graduate scholarships (Tri-council, OCGS, others);
- review the annual report on the School of Graduate Studies' activities;
- establish the criteria for membership in the Graduate Faculty following OCGS standards;

and with the exclusion of student representative,

- review and approve admissions of existing faculty members to the Graduate Faculty in accordance with SGS and OCGS criteria;
- make the final selections of students eligible for academic awards, as identified by the Registrar Office; and
- review the report following their periodic appraisal of a program and to recommend to the Senate any measure that could improve the program.

The Graduate Studies Council will ensure that other administrative services whose support is required for the development or management of the graduate program and resources are consulted prior to the meetings and that resource persons are informed and/or invited to the meetings.

Graduate Faculty

Membership of the Graduate Faculty

Individual members of the Graduate Faculty are approved for membership when they are included in successful applications for program approval. Also, admission of a new member to the Graduate Faculty will be determined by the Graduate Studies Council: nominations have to be recommended by the appropriate Dean, each graduate program having established its own process for nomination of new graduate faculty. The criteria for full membership shall normally include:

- an earned doctoral degree (PhD or equivalent or terminal degree in the discipline);
- significant publications in the areas approved for offering graduate programs and a sustained and active record of research productivity and scholarly output. In the case of professional faculties, these should include both refereed publications and publications designed to reach a professional audience;

- graduate teaching or co-teaching experience and thesis/major paper supervision will also be taken into account when assessing full graduate faculty membership;
- an on-going research program including training of Highly Qualified Personnel (HQP) as defined by the Tri-Council; and
- although holding an external research grant is not a general requirement, it is highly desirable and in certain programs (such as some science graduate programs) it may be required in order to be able to provide the necessary support to graduate students.

Types of Membership

- **Full Graduate Faculty:** members have full privileges to teach graduate courses, to supervise or co-supervise theses/major research papers. Full graduate faculty are eligible members of supervisory and examination committees.
- **Associate Graduate Faculty:** members have limited privileges to teach and co-supervise students in one or more graduate programs, and be members of supervisory and examination committees. This is granted to faculty who are new to Nipissing or who have limited experience of teaching and supervising graduate students. Associate membership may also be granted to faculty who are outside of an approved graduate program but can contribute to the teaching, supervision, and examination of graduate students in the program.

- **Occasional Graduate Faculty:** faculty members at Nipissing may be permitted to teach a graduate course at the request of the appropriate Graduate Advisor or Graduate Chair. This includes graduate and undergraduate courses that are cross listed as a graduate course or have been approved as part of the formal Program of Studies for a graduate student.
- **Adjunct Graduate Faculty:** individuals who are external to Nipissing may be appointed as Adjunct Graduate Faculty in order to contribute to a graduate program as a member of a supervisory or examination committee. Adjunct graduate faculty may also co-supervise graduate students with Full Graduate Faculty members.

Terms of membership:

Membership of the graduate faculty is reviewed during the regular cycle of program reviews. The status of any Graduate Faculty including faculty members participating in that program is subject to approval/ re-approval during the regular cycle review. Membership could also be reviewed by the Graduate Studies Council. If Full Graduate Faculty members retire, resign or leave the University to join another institution, they could be appointed as Adjunct Graduate Faculty by the Graduate Studies Council. Full and Associate Graduate Faculty members are appointed on a five year term subject to the graduate program recommendation to the Graduate Studies Council.

Approved by Nipissing University Senate at the June 14, 2010 meeting.

Course Listing

Course Listing

Course Numbering System

Course numbers are prefixed with the letter code representing the discipline, as shown below:

Aboriginal Leadership	LEAD
Academic Writing	ACAD
Accounting	ACCT
Administrative Studies	ADMN
Anthropology	ANTR
Arts and Culture	CULT
Arts and Cultural Management	ACMT
Astronomy	ASTR
Biology	BIOL
Chemistry	CHEM
Child and Family Studies	CHFS
Classical Studies	CLAS
Computer Science	COSC
Criminal Justice	CRJS
Digital Humanities	DIGI
Economics	ECON
Education	EDUC
English Studies	ENGL
Environmental Science	ENSC
Film	FILM
Fine Arts	FAVA
French	FREN
Gender Equality and Social Justice	GEND
General Science	GSCI
Geography	GEOG
Geology	GEOL
History	HIST
Law and Justice	JURI
Mathematics	MATH
Marketing	MKTG
Native Studies	NATI
Nursing	NURS
Organizational Studies	ORGS
Philosophy	PHIL
Physical and Health Education	PHED
Physics	PHYS
Political Science	POLI
Psychology	PSYC
Religions and Cultures	RLCT
Russian	RUSS
Science and Technology	STEC
Social Welfare and Social Development	SWLF
Sociology	SOCI
Spanish	ESPA
Technology Management	TMGT
University Success	UNIV

Course Numbering Identification

Nipissing University courses are numbered as follows:

- Four letters to indicate the discipline;
- Four numbers to designate the course;
- Five characters to indicate the particular section of a given course.

Example: PSYC 1106 FA001

PSYC	1106	FA001
Discipline (Psychology)	Course Number	Section

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

The first digit indicates the year level at which the course is offered (with the exception of Education courses):

- 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 and restricted to honours students.
- 5000-5999 courses are normally taken at graduate level and restricted to masters students
- 9000 courses are those for which non-equivalent advanced standing or transfer credit has been granted.

Unless otherwise indicated in the course description, normally the last digit indicates whether the course is a six-credit or a three-credit course, and whether the course may count towards a program.

- Last digit 5 = a six-credit course which may count towards a program;
- Last digit 0 = a six-credit course which may not count towards a program;
- Last digit 6 or 7 = a three-credit course which may count towards a program;
- Last digit 1 or 2 = a three-credit course which may only count towards elective credits in a program;
- Last digit 8 or 9 = a one and one-half credit course.

Unless otherwise stated in the course description, courses will count in their respective discipline for liberal degrees.

In the section segment of course identification, the first two characters identify the period of time in which a course will be offered (see below). The last three characters indicate the section number (when multiple sections of a course are offered).

FA – September to December	SP – Spring
WI – January to April	SS – Spring/Summer
FW – September to April	SU – Summer

Courses offered on the main campus in North Bay will be in the section range of 000 to 099. Courses offered on the Muskoka Campus in Bracebridge will be in the section range of 500 to 599. Courses offered by distance education will be in the section range of 800 to 899.

Language courses are normally taught in the respective language (e.g. French, Latin, Russian, Spanish).

Course Descriptions

Not every course listed in this Calendar is offered every year. Where possible, course cycling is indicated.

Aboriginal Leadership Courses

LEAD 1006 Concepts and Ethics of Aboriginal Leadership

Prerequisite: No prerequisite.

Hours: 24 hours of lecture and 12 hours of Service-Learning per term.

Credits: 3

Students are introduced to the concepts and ethics of leadership in First Nations contexts. Students explore both traditional and contemporary Aboriginal concepts of leadership, leadership qualities, and the ethical challenges that leaders face. Issues of judgment, cultural conflict, and successful representation of constituents will be discussed. This course includes a service learning component.

LEAD 2006 Aboriginal Political Culture

Prerequisite: LEAD 1006

Hours: 24 hours of lecture and 12 hours of Service-Learning per term.

Credits: 3

Political reality concerns practices and perceptions as well as laws and institutions. This course explores the cultural markers of indigenous politics, with consideration to distinctive patterns of indigenous leadership, conceptions of what is a community and what is the person's place in relation to the group. Topics covered may include indigenous models of federalism, potlatch and the gift economy, modes of resistance to and relations with settler societies. This course includes a service learning component.

LEAD 2007 Aboriginal Governance Models and Intergovernmental Relations

Prerequisite: LEAD 1006

Hours: 24 hours of lecture and 12 hours of Service-Learning per term.

Credits: 3

Effective governance is examined in light of: governmental structures, intergovernmental relations, and different theories of power and politics. Students determine how Aboriginal governance can function effectively while still preserving Aboriginal cultures, values and worldviews. Focus is given to how differing political identities inform distinct ideas about development, education, resource extraction, and the function of band councils. Students also explore this deeply significant relation between aboriginals and the land in terms of historical practices, contemporary political negotiations, and towards a re-thinking of human relations to nature. This course includes a service learning component.

LEAD 3126 Treaty Law in Canada

Prerequisite: LEAD 2006 and LEAD 2007

Hours: 24 hours of lecture and 12 hours of Service-Learning per term.

Credits: 3

Treaties with First Nations in Canada represent both historical legacies and frameworks for on-going relations between those nations and settler society. How First Nations permit Canada to exist

as it does is described in these treaties, with the sharing of lands made possible by these agreements between nations. Students explore the history of treaties in Canada towards an understanding of the possible futures that can be negotiated in this shared land. This course includes a service learning component.

LEAD 3127 Comparative Indigenous Leadership in a Globalized World

Prerequisite: LEAD 2006 and LEAD 2007

Hours: 24 hours of lecture and 12 hours of Service-Learning per term.

Credits: 3

Students examine indigenous leadership in an international context, considering examples of alignment on political, economic and environmental grounds. The international dimension of indigenous politics within the United Nations, the World Economic Forum, and other regional bodies may be considered as examples of a globalized indigenous politics. This course includes a service learning component.

LEAD 3147 International or First Nations Placement

Prerequisite: LEAD 2006 and LEAD 2007

Hours: Six hours of seminar and 30 hours of Service-Learning per term.

Credits: 3

An international or First Nation community based placement in a leadership role, arranged is overseen in conjunction with Nipissing International and the Office of Aboriginal Initiatives with regular reporting on work done and with written and oral reports at the annual intensive seminar on the projects undertaken.

Academic Writing Courses

This discipline is not offered as a degree, but the courses in Academic Writing may be credited as an elective in any other degree program.

ACAD 1501 Preparation for Academic Writing

Prerequisite: No prerequisite.

Antirequisite: ENGL 1501

Hours: Three hours of writing instruction per week for one term.

Credits: 3

ACAD 1501 provides an overview of basic sentence, paragraph, and essay development in preparation for academic and public writing at the introductory level. Students learn to recognize and attend to various modes of writing and writing situations. Reading assignments direct students from basic comprehension to basic critical discernment, and writing assignments will direct students from summary and report to introductory analysis and argument. Introductory workshops in library research and documentation provide a basic preparation in information literacy. This course is appropriate for any NU student recommended through the English Studies "Which Writing Course is Right for You?" diagnostic (see the English Studies website).

ACAD 1601 Academic Writing

Prerequisite: No prerequisite.

Antirequisite: ENGL 1502

Hours: Three hours of writing instruction per week for one term.

Credits: 3

ACAD 1601 allows students to cultivate skill sets for effective academic writing at the intermediate level. With an emphasis on critical thinking and problem solving through the writing process, students learn to discern, respond to, and write logical, compelling academic questions in clear, coherent prose. Readings, skill-specific writing assignments, writing workshops, seminars in information literacy, and instructor feedback provide a structure for the course, as students practice foundational skills in academic inquiry, argumentation, expression, research, and documentation. This course may count towards the Humanities breadth requirement.

ACAD 2601 Academic Writing in the Humanities

Prerequisite: 24 credits completed.

Hours: Three hours of writing instruction per week for one term.

Credits: 3

ACAD 2601 allows students to cultivate foundational skills in research writing in the Humanities. Research Writing in the Humanities allows students to discern, define, understand and execute the reading and writing conventions specific to research writing in the disciplines. With an aim towards posing and answering a research question suitable for study in the field, students learn and practice the methodologies that allow them to establish a clear, logical, arguable, manageable and compelling thesis/hypothesis and argument/project. To this end, students develop skills in academic inquiry, research methods, information literacy, documentation style, analysis, effective writing and argumentation directly related to study in the field.

ACAD 2701 Academic Writing in the Social Sciences

Prerequisite: 24 credits completed.

Hours: Three hours of writing instruction per week for one term.

Credits: 3

ACAD 2701 allows students to cultivate foundational skills in research writing in the Social Sciences. Research Writing in the Social Sciences allows students to discern, define, understand and execute the reading and writing conventions specific to research writing in the disciplines. With an aim towards posing and answering a research question suitable for study in the field, students learn and practice the methodologies that allow them to establish a clear, logical, arguable, manageable and compelling thesis/hypothesis and argument/project. To this end, students develop skills in academic inquiry, research methods, information literacy, documentation style, analysis, effective writing and argumentation directly related to study in the field.

ACAD 2801 Academic Writing in the Sciences

Prerequisite: 24 credits completed.

Hours: Three hours of writing instruction per week for one term.

Credits: 3

ACAD 2801 allows students to cultivate foundational skills in research writing in the Sciences. Research Writing in the Sciences allows students to discern, define, understand and execute the reading and writing conventions specific to research writing in the disciplines. With an aim towards posing and answering a research question suitable for study in the field, students learn and practice the methodologies that allow them to establish a clear, logical, arguable, manageable and compelling thesis/hypothesis and argument/project. To this end, students develop skills in academic

inquiry, research methods, information literacy, documentation style, analysis, effective writing and argumentation directly related to study in the field.

ACAD 2901 Academic Writing in the Applied and Professional Studies

Prerequisite: 24 credits completed.

Hours: Three hours of writing instruction per week for one term.

Credits: 3

ACAD 2901 allows students to cultivate foundational skills in research writing in the Applied and Professional Studies. Research Writing in the Applied and Professional Studies allows students to discern, define, understand and execute the reading and writing conventions specific to research writing in the disciplines. With an aim towards posing and answering a research question suitable for study in the field, students learn and practice the methodologies that allow them to establish a clear, logical, arguable, manageable and compelling thesis/hypothesis and argument/project. To this end, students develop skills in academic inquiry, research methods, information literacy, documentation style, analysis, effective writing and argumentation directly related to study in the field.

Anthropology Courses

ANTR 1006 Introduction to Anthropology

Prerequisite: No prerequisite.

Antirequisite: ANTR 1005

Hours: Three hours of lecture per week for one term.

Credits: 3

An interdisciplinary, comparative study of people and their cultures throughout the world (cultural anthropology), of human evolution, adaptation and genetics (physical anthropology), the recovery and development of prehistoric societies (archaeology) and language as an aspect of culture (linguistics).

ANTR 2006 Cultural Anthropology

Prerequisite: ANTR 1006 or SOCI 1016 and SOCI 1017; or SOCI 1015

Hours: Three hours of lecture per week for one term.

Credits: 3

This course focuses on concepts of culture, methods and current debates related to social and cultural anthropology. Ethnography and ethnology, as distinctive features of cultural anthropology, are used to examine multiple cultural worlds. Issues related to cultural diversity are explored through global and localized perspectives. They include identity, socialization and human development; illness and healing, including ethnomedicine and medical anthropology; family and kinship; social change and domestic life; sexuality and gender; exchange and economic systems; social and political organization; religion, magic, and belief in the context of world religions; language and linguistics as symbolic systems of communication; development anthropology and contemporary cultural change; expressive culture including performance and decorative arts; tourism; and migration.

ANTR 2007 Communities and Cultures in Contemporary Canada

Prerequisite: ANTR 1006; or SOCI 1016 and SOCI 1017; or SOCI 1015

Hours: Three hours of lecture per week for one term.

Credits: 3

A review of cultural and social practices in contemporary Canada, this course examines the dynamic nature of “culture” as well as how cultural understandings inform every aspect of human life. The course attends to issues such as space, place (including critical regionalism), gender, race and ethnicity, multiculturalism, immigration and globalization, community and identity. Culturally-situated histories and related issues of identity politics pertaining to various peoples and cultures in Canada will be explored, largely through ethnographic and ethnological discourses and methods.

ANTR 2016 Classical Sociological Theory

Prerequisite: ANTR 1006; or SOCI 1016; or SOCI 1015
 Antirequisite: SOCI 2016, SOCI 2015
 Hours: Three hours of lecture per week for one term.
 Credits: 3

This course traces the historical development of social theory, and focuses on classical theories and theorists within the sociological tradition.

ANTR 2017 Contemporary Sociological Theory

Prerequisites: ANTR 1006; or SOCI 1016; or SOCI 1015
 Antirequisites: SOCI 2017, SOCI 2015
 Hours: Three hours of lecture per week for one term.
 Credits: 3

This course traces social theory through the 20th century, and focuses on contemporary theories and theorists within the sociological tradition.

ANTR 2026 Archaeology I

Prerequisite: No prerequisite.
 Antirequisite: ANTR 2025
 Hours: Three hours of lecture per week for one term.
 Credits: 3

This course introduces students to the theories, concepts and methodological approaches that archaeologists employ to study past cultures through their material remains.

ANTR 2027 Archaeology II

Prerequisite: ANTR 2026
 Antirequisite: ANTR 2025
 Hours: Three hours of lecture per week for one term.
 Credits: 3

This course exposes students to archaeological fieldwork methodologies and procedures, through hands-on collection and examination of material artifacts, including techniques for analysis and reporting of archaeological findings. Students will have the opportunity to take a field trip to an excavation site.

ANTR 2035 Ethnology of North American Native Peoples

Prerequisite: ANTR 1006
 Hours: Three hours of lecture per week.
 Credits: 6

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.

ANTR 3006 Anthropology of Development in the Canadian North

Prerequisite: No prerequisite.
 Antirequisite: ANTR 3376 if taken in 09FW
 Hours: Three hours of lecture per week for one term.
 Credits: 3

This course offers anthropological perspectives of key issues facing Canada’s changing North including: resource development and associated social, ecological, and economic impacts; impacts of development on sustainable livelihoods and health; changing governance structures as a result of Aboriginal land claims; social conceptions and implications of climate change in the North; and the role of the North in future energy, resource, and international politics. This course may be credited toward Native Studies.

ANTR 3026 Medical Anthropology

Prerequisite: No prerequisite.
 Hours: Three hours of lecture per week for one term.
 Credits: 3

This course examines cross-cultural approaches to health, illness, and healing. Topics covered in this course may include: theories of health and wellness, comparative study of medical systems, social roots of disease, social and symbolic construction and representation of the body, and medical pluralism.

ANTR 3027 Anthropology, Aboriginal Peoples, and the Law

Prerequisite: No prerequisite.
 Antirequisite: ANTR 3367 taken in 2008 or 2009.
 Hours: Three hours of lecture per week for one term.
 Credits: 3

This course will explore anthropological approaches to the role of law and legal systems with respect to Aboriginal peoples in Canada. Particular attention will be paid to diverse cultural perspectives that have informed legal traditions in the areas of land, resources, governance, legal procedures, and Aboriginal and Treaty rights. This course may be credited towards Native Studies.

ANTR 3036 Qualitative Research Methods

Prerequisites: ANTR 1006 or SOCI 1016 or SOCI 1015
 Antirequisites: SOCI 3036
 Hours: Three hours of lecture per week for one term.
 Credits: 3

This course will examine themes and methods in contemporary qualitative research practice. Issues covered may include participant observation, focus groups, interviewing, case studies, and feminist methodologies. This course may be credited towards Social Welfare and Social Development.

ANTR 3407 Topics in Anthropological Thought

Prerequisites: ANTR 2016, ANTR 2017, and ANTR 3036
 Hours: Three hours of lecture per week for one term.
 Credits: 3

This course will provide senior students in Anthropology with the opportunity to engage with advanced Anthropological theory and to refine research, presentation, and writing skills in a specialized field of study. Course content varies from year to year according to the instructor’s research interests and expertise.

ANTR 3367 Special Topics in Anthropology I

Prerequisite: No prerequisite.

Hours: Three hours of lecture per week for one term.

Credits: 3

The topic, the theoretical approach and the methodology will be announced by the department. Topic: Anthropology and Aboriginal People.

ANTR 3376 Special Topics in Anthropology II

Prerequisite: No prerequisite.

Hours: Three hours of lecture per week for one term.

Credits: 3

The topic, the theoretical approach and the methodology will be announced by the department. Topic: Race, Ethnicity and Nationalism.

ANTR 3976 Anthropology Field Camp

Prerequisite: A second year course in ANTR and permission of the instructor.

Credits: 3

Engaging anthropological perspectives and methods, a specific ethnography is conducted in a local/regional community (including First Nation, Aboriginal, immigrant or other type of community). Readings, analyses, and the writing of ethnographies are completed over the course of the term. This course is held off campus (at least in part); each student will be required to cover any costs related to transportation, accommodation and meals.

Arts and Cultural Management Courses

ACMT 3006 Administration of Artistic and Cultural Organizations

Prerequisites: ACCT 1106, ADMN 1156, MKTG 1126, ORGS 1136

Hours: Three hours of lecture per week for one term.

Credits: 3

Students explore the opportunity to explore the key competencies required to administer Arts and Cultural organizations. Topics include marketing, legal issues, financial management, fund-raising, board and volunteer management, interactions with unions and associations, and strategic planning.

ACMT 3007 Cultural Entrepreneurship

Prerequisites: ACCT 1106, ADMN 1156, MKTG 1126, ORGS 1136

Antirequisites: ADMN 3917

Hours: Three hours of lecture per week for one term.

Credits: 3

Students explore entrepreneurial processes in an artistic, cultural, or heritage settings. Students develop creative and innovative skills in order to innovate, improve, enhance and implement opportunities in cultural enterprises and the creative economy. Students also examine concepts of risk management.

ACMT 4005 Arts and Cultural Management Senior Internship

Prerequisites: Enrolment in the final year of the Arts and Cultural Management program. Students must apply in writing to the Arts and Cultural Management Chair/Coordinator/

Placement Officer. It is the student's responsibility to propose a suitable placement.

Antirequisites: ADMN 4146; ACMT 3017

Hours: 24 week minimum internship and project experience equivalent to a minimum 72 hours of academic class.

Credits: 6

This course involves a pre-approved work placement in an Artistic, Cultural or Heritage organization. Students are required to complete a report on the host organization's practice that is key to its success. Alternatively, the report may identify a significant problem faced by the organization, and a proposed solution informed by the student's internship experience. For this report, students ground their observations in academic study and research focused upon the issues identified. The sponsoring organization is required to complete an evaluation of the student's contribution including an overall pass/fail grade. The final report is graded by the course instructor on a pass/fail basis. Students must pass both components for course credit.

Arts and Culture Courses

CULT 1005 Introduction to Arts and Culture

Prerequisite: No prerequisite.

Hours: Three hours of lecture per week.

Credits: 6

This course is designed to provide students with an introduction to the study of culture. By investigating the nature and meaning of 'culture', and focusing on the different theoretical approaches and perspectives employed in the study of culture, the course gives students the necessary foundation to proceed with the study of various manifestations or forms of cultural expression. The course emphasizes that cultural expression is multi-faceted, and is revealed in a variety of ways, through ideas and practices, literary works, visual and performance arts, and the media (to name a few key avenues of expression). The course is also designed to facilitate an appreciation for the diversity of cultural expression, laying the foundation for the exploration of both western and non-western perspectives and practices.

CULT 2006 Visual Culture I

Prerequisite: CULT 1005 or 18 Nipissing University credits.

Hours: Three hours of lecture per week for one term.

Credits: 3

This course explores the ways in which visual culture has been constructed, historically, technologically, and theoretically. Examining the wide range of images that constitute visual culture, from pictures (visual representations), to everyday objects of architecture and fashion, to stereotypes, this course considers how images both shape and are shaped by the concepts, values, and meanings of cultural life in contemporary Western societies. Students develop critical skills and conceptual tools to analyze various forms of visual culture, including painting, sculpture, photography, film, animation, television, picture books and graphic novels, advertising, and new media. The main focus in this course will be on texts from selected media of visual culture until the mid-twentieth century.

CULT 2007 Visual Culture II

Prerequisite: CULT 2006

Hours: Three hours of lecture per week for one term.

Credits: 3

This course continues the exploration of how visual culture has been constructed, historically, technologically, and theoretically. Students further develop critical skills and conceptual tools to analyze various forms of visual culture. The course further addresses both the formal analysis of images and a range of conceptual and theoretical issues associated with visual culture. This course picks up where CULT 2006 left off, by focusing on selected media of visual culture from the mid-twentieth century to the present.

CULT 4006 Honours Seminar in Arts and Culture I

Prerequisite: Restricted to students in the fourth year of the Honours program.

Hours: Three hours of lecture per week for one term.

Credits: 3

This seminar will offer students the opportunity of advanced study in a specialized topic related to specific aspects of Arts in the Arts and Culture program. While topics will vary from year to year, depending on the interests and background of the instructor, generally these topics will be drawn from subject-matter that the student will have had some introduction to earlier in the Program.

CULT 4007 Honours Seminar in Arts and Culture II

Prerequisite: Restricted to students in the fourth year of the Honours program.

Hours: Three hours of lecture per week for one term.

Credits: 3

This seminar will offer students the opportunity of advanced study in a specialized topic related to specific aspects of Culture in the Arts and Culture program. While topics will vary from year to year, depending on the interests and background of the instructor, generally these topics will be drawn from subject-matter that the student will have had some introduction to earlier in the Program.

CULT 4105 Research Essay in Arts and Culture

Prerequisite: Restricted to students in the fourth year of the Honours program. Approval of the program coordinator 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 Arts and Culture coordinator no later than February 15.

Hours: Individual supervision over two terms.

Credits: 6

This course involves research carried out under the supervision of a faculty member, with the student completing an in-depth investigation of topics or issues relevant to the field of Arts and Culture. In this course a student develops an argument about a particular topic and supports it with research, critical argument, and/or theoretical exposition, culminating in the completion of a research essay.

Astronomy Course

This discipline is not offered as a degree, but the course in Astronomy may be credited as an elective in any other degree program.

ASTR 1010 Introduction to Astronomy

Prerequisite: No prerequisite.

Hours: Three hours of lecture per week.

Credits: 6

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 programs or anyone with an interest in astronomy. The level of mathematics required will be limited to simple algebra. This course will have observing sessions where possible.

Biology Courses

BIOL 1911 Introduction to Biology

Prerequisite: Grade 11 biology (SBI3U or equivalent)

Antirequisite: Grade 12 Biology (SBI 4U or equivalent)

Restriction: BIOL 1911 cannot be credited towards any science program requirements.

Hours: Three hours of lecture per week for one term.

Credits: 3

This course covers the basic principles of biology and prepares students for continued studies in biology and other sciences.

BIOL 1006 Introduction to Molecular and Cell Biology

Prerequisite: No prerequisite.

Antirequisite: BIOL 1306, BIOL 1716 and BIOL 1011

Hours: Three hours of lecture and three hours of laboratory work per week for one term.

Credits: 3

This course examines the fundamentals of biology at the molecular and cellular levels.

BIOL 1007 Introduction to Organismal and Evolutionary Biology

Prerequisite: No prerequisite.

Antirequisite: BIOL 1306, BIOL 1716

Hours: Three hours of lecture and three hours of laboratory work per week for one term.

Credits: 3

This course is an overview of the biological principles and processes at the whole organism level, from an evolutionary perspective.

BIOL 1011 Introduction to Molecular and Cell Biology for Nursing and Physical and Health Education

Restrictions: Restricted to students in the Bachelor of Science in Nursing or the Bachelor of Physical and Health Education.

Antirequisite: BIOL 1006

BIOL 1011 will not count towards an Honours Specialization, Specialization, or Major in Biology.

Hours: Three hours of lecture per week for one term.

Credits: 3

This course examines the fundamentals of biology at the molecular and cellular levels and is designed for students in Nursing and Physical and Health Education programs.

BIOL 1216 Environmental Microbiology I

Prerequisite: No prerequisite.

Restrictions: 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

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.

BIOL 2107 Limnology

Prerequisite: BIOL 2446 and CHEM 2046

Antirequisite: ENSC 2107, GEOG 4127

Hours: Three hours of lecture and three hours of laboratory work per week per fourteen week term.

Credits: 3

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.

BIOL 2116 Principles of Microbiology

Prerequisite: BIOL 1006 or BIOL 1101

Hours: Three hours of lecture and three hours of laboratory work per week for one term.

Credits: 3

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.

BIOL 2127 Molecular and Cell Biology

Prerequisite: BIOL 1006

Hours: Three hours of lecture per week for one term.

Credits: 3

This course examines various aspects of eukaryotic cell biology, including basic cell structure (the plasma membrane and its components, organelle structure and function), as well as cellular activity such as proliferation, motility/migration and differentiation. The cell cycle, cell signaling & the cytoskeleton will also be discussed. This course also explores disease states resulting from cellular dysfunction, such as cancer.

BIOL 2206 Introduction to Biochemistry

Prerequisite: CHEM 1006 and CHEM 1007

Hours: Three hours of lecture per week for one term.

Credits: 3

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. This course may be credited towards Chemistry.

BIOL 2207 Environmental Microbiology II

Prerequisite: BIOL 1216

Restrictions: 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

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.

BIOL 2336 Biology of Seedless Plants

Prerequisite: BIOL 1007

Hours: Three hours of lecture and three hours of laboratory work per week per term.

Credits: 3

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 2337 Biology of Seed Plants

Prerequisite: BIOL 1007

Hours: Three hours of lecture and three hours of laboratory work per week per term.

Credits: 3

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.

BIOL 2346 Techniques in Forest Ecology and Management

Prerequisite: BIOL 1007 or GEOG 1017

Hours: Three hours of lecture and three hours of laboratory work per week for one term.

Credits: 3

This course will provide students with an overview of the approaches and techniques used to study and manage forest ecosystems. Topics will include orienteering, ecological land classification, forest mensuration, silvicultural tree marking, long-term monitoring of permanent plot networks, wildlife habitat and biodiversity indicators, and dendrochronology.

BIOL 2407 Environmental Toxicology

Prerequisite: BIOL 1007, CHEM 1006 and CHEM 1007

Antirequisite: ENSC 2407

Hours: Three hours of lecture and three hours of laboratory work per week per term.

Credits: 3

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.

BIOL 2446 Principles of Ecology

Prerequisite: BIOL 1007

Hours: Three hours of lecture and three hours of laboratory work per week for one term.

Credits: 3

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.

BIOL 2557 Genetics

Prerequisite: BIOL 1006 and BIOL 1007

Hours: Three hours of lecture and three hours of laboratory work per week for one term.

Credits: 3

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.

BIOL 2706 Human Anatomy and Physiology I

Prerequisite: BIOL 1006 or BIOL 1011 or must be registered in BScN program

Antirequisite: BIOL 1706

Hours: Three hours of lecture and three hours of laboratory work per week for one term.

Credits: 3

This course describes basic human anatomy and physiology at the cellular, tissue, organ and system levels of organization.

BIOL 2707 Human Anatomy and Physiology II

Prerequisite: BIOL 2706

Antirequisite: BIOL 1707

Hours: Three hours of lecture and three hours of laboratory work per week for one term.

Credits: 3

This course is a continuation of BIOL 2706 and further examines basic human anatomy and physiology at various levels of biological organization.

BIOL 2836 Invertebrate Zoology

Prerequisite: BIOL 1007

Antirequisite: BIOL 2736

Hours: Three hours of lecture and three hours of laboratory work per week for one term.

Credits: 3

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.

BIOL 2837 Vertebrate Zoology

Prerequisite: BIOL 1007

Antirequisite: BIOL 2736

Hours: Three hours of lecture and three hours of laboratory work per week for one term.

Credits: 3

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.

BIOL 3006 Environmental Interpretation and Communication

Prerequisite: BIOL 2446

Antirequisite: ENSC 3006

Hours: Two hours of lecture and two hours of laboratory work per week for one term.

Credits: 3

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 3007 Environmental Issues in Forestry

Prerequisite: BIOL 2446

Antirequisite: ENSC 3007

Hours: Three hours of lecture and three hours of laboratory work per week for one term.

Credits: 3

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.

BIOL 3066 Flora of Northern Ontario

Prerequisite: No prerequisite.

Hours: Three hours of lecture and three hours of laboratory work per week for one term.

Credits: 3

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.

BIOL 3117 Biostatistics

Prerequisite: BIOL 1007 and a MATH at the 1000 level (excluding MATH 1070, 1911, 1912, and 1922)

Hours: Three hours of lecture per week.

Credits: 3

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 3126 Molecular Biology Techniques

Prerequisite: BIOL 1006

Hours: Three hours of lecture and three hours of laboratory work per week for one term.

Credits: 3

The purpose of this course is to give an introduction to the techniques of molecular and cellular biology. This course will discuss *in vitro*, *in situ*, and *in vivo* techniques, including techniques for analyzing DNA, RNA, and protein expression, as well as how these techniques are applied to whole organism models.

BIOL 3127 Human Sexuality

Prerequisite: 30 credits completed (or equivalent) or permission of the instructor.

Hours: 36 hours of mixed mode instruction for one term.

Credits: 3

This course provides a broad interdisciplinary overview of theories and research of human sexuality. Topics include sex research, sexual anatomy, sexual dysfunction, sexually transmitted diseases and sexual therapy.

BIOL 3136 Ichthyology

Prerequisite: BIOL 2837

Hours: Three hours of lecture per week for one term.

Credits: 3

This course examines the systematics, physiology, behaviour, ecology, economic importance and conservation of fishes. Both marine and freshwater species are examined with an emphasis on local species and their ecological and economic importance to Ontario.

BIOL 3147 Herpetology

Prerequisite: BIOL 2837

Hours: Three hours of lecture per week for one term.

Credits: 3

This course is an introduction to the biology of amphibians and reptiles including an overview of past and current diversity, the use of these animals as model organisms in biological research, and the importance of these animals in ecological communities.

BIOL 3236 Plant Ecology

Prerequisite: BIOL 2446 or enrolment in the ENBT program

Hours: Three hours of lecture and three hours of laboratory work per week for one term.

Credits: 3

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.

BIOL 3267 Animal Physiology

Prerequisite: BIOL 2706, BIOL 2707 and one of: BIOL 2836 or BIOL 2837

Hours: Three hours of instruction per week for one term.

Credits: 3

This course examines how animals regulate physiological processes in order to survive. Evolution and function of physiological systems is studied with emphasis placed on their biochemistry. Adopting a comparative approach, this course examines advanced principles of physiology within the Animal Kingdom.

BIOL 3277 Animal Ecology

Prerequisite: BIOL 2446 and one of: BIOL 2836 or BIOL 2837

Hours: Three hours of instruction per week for one term.

Credits: 3

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.

BIOL 3306 Enzymology

Prerequisite: CHEM 1006 and CHEM 1007

Hours: Three hours of lecture per week for one term.

Credits: 3

This course will introduce students to the chemical and physical properties of enzymes. Topics to be discussed include how enzyme catalysis occurs, kinetics, environmental effects on catalysis, regulation of activity, different types of mechanisms and activity inhibition. A number of important enzyme families will be discussed, as will how to experimentally ascertain information about an enzyme's structure and catalytic mechanism. This course may be credited towards Chemistry.

BIOL 3346 Microscopy Methods and Applications

Prerequisite: BIOL 1006 and 21 credits in BIOL or ENSC

Hours: Three hours of lecture/practical per week for one term.

Credits: 3

This course prepares students for the practical use of light, fluorescent, and laser confocal microscopes, through understanding of the properties of light optics and acquisition of images. Theoretical and practical components of this course will allow students to gain experience with application and use of different fluorochromes, acquisition of digital microimages, and assembly of annotated publication-quality plates.

BIOL 3397 Introductory Soil Science

Prerequisite: CHEM 1006 and CHEM 1007 or GEOG 1017 or permission of the instructor.

Antirequisite: GEOG 3397 and GEOL 3397

Hours: Three hours of lecture and three hours of laboratory work per week for one term.

Credits: 3

Lectures deal with the study of soil as an integral part of our physical environment. Soil profile characteristics are studied in the context of soil-forming factors, pedogenic processes, and soil classification systems. Laboratory sessions include analysis of typical soil profiles in the field and methods of physical, chemical, and biological analysis of soil samples in the wet lab.

BIOL 3436 Conservation Biology

Prerequisite: BIOL 2446

Hours: Three hours of lecture per week for one term.

Credits: 3

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.

BIOL 3437 Community Ecology

Prerequisite: BIOL 2446 or MATH 1257

Hours: Three hours of lecture and three hours of laboratory work per week for one term.

Credits: 3

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 3557 Genetics & Society: Our genes, our choices

Prerequisite: No prerequisite.

Hours: Three hours of lecture per week for one term.

Credits: 3

This course will examine ethical, philosophical, and religious issues raised by the rapidly advancing field of molecular biology and genetics. Topics will include an introduction to science, pseudoscience, and skepticism; the history of eugenics; the significance of the Human Genome Project; the social implications of research into the genetic basis of behaviour; issues of privacy relating to genomic profiling; genetic screening; reproductive technology and human cloning; genetically modified organisms; patent rights; xenotransplantation; and discussion of the potential and perils of increasing human lifespan through biomedical advances. Questions of resource allocation and access will also be considered. An emphasis will be placed on critical thinking, formulation of logical argument, and the recognition and personal resolution of ethical dilemmas. This course may be credited towards Philosophy.

BIOL 3567 Ethnobotany

Prerequisite: This course is restricted to students enrolled in the third or fourth year of any degree program.

Antirequisite: NATI 3567

Hours: Three hours of lecture per week for one term.

Credits: 3

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 3596 Ornithology

Prerequisite: BIOL 2837

Hours: Three hours of lecture and three hours of laboratory work per week for one term.

Credits: 3

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.

BIOL 3597 Immunology

Prerequisite: BIOL 2206 or BIOL 2116

Hours: Three hours of lecture per week for one term.

Credits: 3

This course will provide an introduction to the immune system focusing on immune-related tissues/cells and the molecular aspects of immune response (including humoral and cell-mediated immune systems, antibody/antigen interactions, major histocompatibility complex, immunological tolerance, transplantation, and autoimmune disease).

BIOL 3636 Developmental Plant Physiology

Prerequisite: BIOL 2337 or permission of the instructor.

Hours: Three hours of lecture and three hours of laboratory work per week for one term.

Credits: 3

A lecture, seminar and laboratory course on the relationship between structure and function, and growth and development of higher plants. The basic physiological processes in plant cells including photosynthesis, respiration, nitrogen fixation, gas exchange, transport processes, and metabolism of carbon and nitrogen compounds will be discussed. Plant hormones and their roles in growth, dormancy, photoperiodism and flowering will be emphasized.

BIOL 3646 Applied Entomology

Prerequisite: BIOL 1007

Hours: Three hours of lecture and three hours of laboratory work per week for one term.

Credits: 3

This course involves the study of insects and human welfare. It will examine the biology of insects and related arthropods that are pests of agriculture, forestry, domestic animals, stored products and humans; insect problems in homes and gardens; recognition of major insect pests; insect control; insecticides and biological control; and other beneficial insects. A small collection of insects will be required by the students.

BIOL 3717 Animal Behaviour

Prerequisite: Restricted to students in the third or fourth year of a Bachelor of Science degree.

Antirequisite: BIOL 4717

Hours: Three hours of lecture per week for one term.

Credits: 3

This course is an introduction to the study of animal behaviour with emphasis on the ethological approach. This course may be credited towards Psychology.

BIOL 3837 Mammalogy

Prerequisite: BIOL 2837

Antirequisite: BIOL 4506 if taken in Spring 2010.

Hours: Three hours of lecture per week for one term.

Credits: 3

This course studies the evolution, diversity, and distribution of mammals of the world. Topics include the origin, classification, adaptations, ecological relationships, behaviours, abundance, conservation issues, and economic importance of mammals.

BIOL 4107 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

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 4347 Chemistry in Life Sciences

Prerequisite: CHEM 2307

Hours: Three hours of lecture per week for one term.

Credits: 3

This course will be based on seminars and directed readings in areas of chemistry that are relevant to the Life Sciences. Topics such as drug discovery processes, drug design, use of pro-drugs, natural

product chemistry, bioactive natural products, biotransformations in organic chemistry, metabolism, combinatorial chemistry/parallel synthesis, high-throughput screening/deconvolution, green chemistry, and click chemistry will be discussed. This course may be credited towards Chemistry.

BIOL 4227 Nutrition

Prerequisite: BIOL 2706 and BIOL 2707

Antirequisite: PHED 4227

Hours: Three hours of lecture per week for one term.

Credits: 3

This course presents fundamental nutritional principles. The nutritional requirements for physical activity are emphasized, including issues such as weight control and weight management.

BIOL 4357 Chemical Ecology

Prerequisite: BIOL 1006 and BIOL 2837

Antirequisite: BIOL 4506 if was taken during the years 2005 to 2009.

Hours: Three hours of lecture per week for one term.

Credits: 3

This course focuses on the many ways that animals use chemosensory information to guide their interactions with other organisms and with the environment. Topics include the importance of chemical information in mediating foraging, detecting and avoiding predators, succeeding at reproduction, guiding homing and migration, establishing territoriality, and assessing habitat quality. A wide taxonomic range of examples will be covered from both aquatic and terrestrial ecosystems.

BIOL 4397 Soil Biology and Soil Chemistry

Prerequisite: BIOL 3397 or GEOG 3397 or GEOL 3397 or permission of the instructor.

Antirequisite: GEOG 4397

Hours: Three hours of lecture and three hours of laboratory work per week for one term.

Credits: 3

The course is a continuation of soil science topics introduced in BIOL 3397 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.

BIOL 4437 Landscape Ecology

Prerequisite: BIOL 2446

Hours: Three hours of lecture per week for one term.

Credits: 3

This course will explore aspects of ecology and management that are applicable at the highest levels of biological organization and over large spatial extents. Students will consider key concepts including scale, spatial pattern and modeling through the examination of landscape level themes such as land use, forest management, habitat fragmentation, global environmental change, disturbance, biodiversity and conservation.

BIOL 4506 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

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 4557 Developmental and Behavioural Genetics

Prerequisite: BIOL 1006 and BIOL 1007

Hours: Three hours of lecture per week for one term.

Credits: 3

This course focuses on the genetics and molecular biology of development and behaviour in higher organisms. We will examine the molecular processes by which genes govern the development of a complex, multi-cellular organism from a single-cell zygote, considering such topics as morphogenesis, pattern formation, cellular differentiation, cell communication, establishment of neural networks, and neural plasticity. Insight will be drawn from studies of model organisms such as *C. elegans*, *Drosophila*, *Arabidopsis*, the zebrafish, and the mouse. We will also consider the molecular basis of behaviour, beginning with simple, well-defined paradigms such as locomotion and olfaction, and expanding the scope to discuss the possible role of genes in complex human traits such as intelligence, learning and memory, and social and sexual behaviour. Students will be encouraged to consider the ethical implications of research in such areas. This course may be credited towards Psychology.

BIOL 4607 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

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.

BIOL 4706 Literature Research and Seminar

Prerequisite: Restricted to students in the fourth year of the Honours Biology Program, or the Environmental Biology and Technology Program, and enrolled in the BIOL 4995 Thesis course.

Corequisite: BIOL 4995

Hours: Three hours of seminar per week for one term.

Credits: 3

This course is an intensive study of scientific literature related to the topic of the honors thesis. Credit is based on writing assignments and seminars. A wide range of research topics is available. Emphasis is placed on the development of specific hypotheses.

BIOL 4886 Internship I

Prerequisite: Restricted to students in the third or fourth year of an Honours program with a minimum 70% overall average in the program. Approval of the internship placement organization 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 Department Chair no later than February 15.

Credits: 3

This course provides students with the opportunity to gain work experience with government, industry or non-governmental organizations having expertise in a relevant field of biology. Students are supervised by a faculty member in the Department of Biology and Chemistry and are expected to maintain an activity log, submit a final written report, and give a presentation to the Department at the end of the internship.

BIOL 4887 Internship II

Prerequisite: Biol 4886 (Internship I)

Restricted to students in the third or fourth year of an Honours program with a minimum 70% overall average in the program. Approval of the internship placement organization 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 Department Chair no later than February 15.

Credits: 3

Following experience gained in Biol 4886 (Internship I), this course provides an additional opportunity for students to gain work experience with government, industry or non-governmental organizations having expertise in a relevant field of biology. Students are supervised by a faculty member in the Department of Biology and Chemistry and are expected to maintain an activity log, submit a final written report, and give a presentation to the Department at the end of the internship.

BIOL 4976 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

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.

BIOL 4986 Directed Studies

Prerequisite: Restricted to students in the fourth year of an Honours program with a minimum 70% overall average in the program. The approval of the Department Chair 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 Department Chair no later than February 15.

Credits: 3

This course provides an opportunity for students to do advanced studies in the field of biology. The work is supervised by a faculty member who is qualified in the student's area of interest. Work load normally involves periodic discussions, activities designed to provide discipline-related skills, the presentation of seminar, and the creation of a major report.

BIOL 4995 Thesis

Prerequisite: BIOL 3117

Corequisite: BIOL 4706

Restrictions: Restricted to students in the fourth year of the Honours Biology or Environmental Biology and Technology programs. 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

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.

BIOL 4997 Freshwater Biology Field Camp

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

This course offers students a one-week intensive, spring-time study of freshwater systems on the Nipissing University Alcan Environmental Research Preserve. Activities will include water and sediment sampling and analysis, aquatic community analyses, and instruction on study design and sampling methods. Data collected will be used to generate a major written report and public presentation. Each student will be required to pay the costs of transportation, accommodation, and meals associated with the field camp experience.

Business Courses (includes Accounting, Administrative Studies, Marketing, Organizational Studies, and Technology Management)

Accounting Courses

ACCT 1106 Introductory Financial Accounting I

Prerequisite: No prerequisite.

Antirequisite: ADMN 1106

Restrictions: This introductory course in financial accounting is intended for students with no 4M/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

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 bookkeeping systems including adjustments and closing the accounts; preparation of

working papers; preparation of financial statements; accounting for merchandising concerns, review of concepts related to internal controls; accounting for cash, receivables, inventories, and such other topics deemed appropriate by the instructor, as time permits. Offered every year

ACCT 1107 Introductory Financial Accounting II

Prerequisite: ACCT 1106 or a 4M/OAC or CAAT credit in accounting (or equivalent)

Antirequisite: ADMN 1107

Hours: Three hours of lecture per week for one term.

Credits: 3

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 student will be introduced to theories and the underlying usefulness of financial statements. The goal is to provide participants with the necessary skills to be able to prepare an analysis of a set of financial statements and be aware of what the issues are and what information should be communicated to the various users. Further, students will gain an appreciation for issues and theories that must be considered in the specialized areas such as revenue recognition, statement of cash flows, inventories, reporting and analyzing tangible and intangible operational assets short and long-term debt, and equity accounts. 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. 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.

ACCT 2106 Intermediate Accounting I

Prerequisite: ACCT 1107

Antirequisite: ADMN 2106, ADMN 2105

Hours: Three hours of lecture per week for one term.

Credits: 3

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. Students will be exposed to current accounting issues through the use of lectures and cases.

ACCT 2107 Intermediate Accounting II

Prerequisite: ACCT 1107

Antirequisite: ADMN 2105, ADMN 2107

Hours: Three hours of lecture per week for one term.

Credits: 3

This course provides a detailed treatment of the concepts and procedures involved in corporate external reporting. The focus of this course is on understanding some of the more complex areas of accounting and their impact on the user. Students are exposed to topics such as pensions, leases and corporate income taxes through lectures and case studies.

ACCT 2146 Management Accounting and Control I

Prerequisite: ACCT 1107

Antirequisite: ADMN 2146

Hours: Three hours of lecture per week for one term.

Credits: 3

This course introduces students to the uses and limitations of accounting information for management decision-making.

Introduction to cost concepts and classification, activity based costing, product costing, overhead cost analysis, standards costs, variance analysis, contribution accounting, responsibility accounting and other related topics as time permits.

ACCT 2147 Management Accounting and Control II

Prerequisite: ACCT 2146

Antirequisite: ADMN 2147

Hours: Three hours of lecture per week for one term.

Credits: 3

This course will explore the uses, limitations and methods of accounting information used in decision-making. Some topics introduced in ACCT 2146 will be explored in more detail as the basis for additional management concepts. Topics include joint costs, cost allocation, transfer pricing, decentralization and segment reporting, performance measurement, relevant costing, financial statement analysis, flexible budgeting and advanced capital budgeting techniques.

ACCT 3127 Accounting Information Systems

Prerequisite: ACCT 1107

Antirequisite: ADMN 3127

Hours: One and a half hours of lecture and one and a half hours of laboratory work per week for one term.

Credits: 3

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 the various users. Theory will cover such topics as defining an accounting information system, current technology, documenting an information system, general controls over systems, and computer crime and ethics. 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.

ACCT 4236 Accounting Theory and Integration

Prerequisite: ACCT 2106, ACCT 2107 and ACCT 4827 or ACCT 4836, or permission of the instructor.

Antirequisite ADMN 4236

Hours: Three hours of lecture per week for one term.

Credits: 3

This course studies the theoretical issues surrounding accounting and the CICA Handbook. The development of critical thinking, integration, issue identification and case writing skills are stressed. As this course integrates the knowledge learned from previous accounting, auditing and tax courses, it is designed specifically for students preparing to write their professional accounting exams (CA, CMA and CGA).

ACCT 4816 Personal Taxation

Prerequisite: ACCT 1107

Antirequisite: ADMN 4816

Hours: Three hours of lecture per week for one term.

Credits: 3

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.

ACCT 4817 Corporate Taxation

Prerequisite: ACCT 4816

Antirequisite: ADMN 4817

Hours: Three hours of lecture per week for one term.

Credits: 3

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, 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.

ACCT 4826 Operational Auditing

Prerequisite: ACCT 2106 and ACCT 2107

Antirequisite: ADMN 4826

Hours: Three hours of lecture per week for one term.

Credits: 3

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.

ACCT 4827 Auditing

Prerequisite: ACCT 1107

Antirequisite: ADMN 4827

Hours: Three hours of lecture per week for one term.

Credits: 3

This course begins by introducing the role of the auditor from both an internal and external view. Other major topics explored include internal controls, audit planning, fraud and forensic auditing. Students will be exposed to audit planning in detail in order to identify key issues and risks and design appropriate audit programs. Current audit software will be utilized where appropriate.

ACCT 4836 Advanced Accounting Topics I

Prerequisite: ACCT 2106 and ACCT 2107

Antirequisite: ADMN 4836

Restrictions: Must complete both with a minimum grade of 60%.

Hours: Three hours of lecture per week for one term.

Credits: 3

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.

ACCT 4837 Advanced Accounting Topics II

Prerequisite: ACCT 2106 and ACCT 2107

Antirequisite: ADMN 4837

Restrictions: Must complete both with a minimum grade of 60%.

Hours: Three hours of lecture per week for one term.

Credits: 3

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.

ACCT 4866 Advanced Cost Accounting Topics I

Prerequisite: ACCT 2146, ACCT 2147, ADMN 2606 and ADMN 2616

Antirequisite: ADMN 4866

Hours: Three hours of lecture per week for one term.

Credits: 3

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.

ACCT 4887 Advanced Management Accounting Topics I

Prerequisite: ACCT 2147

Antirequisite: ADMN 4887

Hours: Three hours of lecture per week for one term.

Credits: 3

This course covers advanced topics in management accounting and 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.

ACCT 4926 Information Systems Auditing and Assurance

Prerequisite: ACCT 4827 or permission of the instructor.

Antirequisite: ADMN 4926

Hours: Three hours of lecture per week for one term.

Credits: 3

This course provides students with an understanding of how information systems impact the audit function. Students will explore topics such as statistical sampling and data extraction and analysis. There will also be discussions on emerging issues related to information technology and auditing.

ACCT 4927 Advanced Auditing

Prerequisite: ACCT 2106 and ACCT 2107

Antirequisite: ADMN 4927

Hours: Three hours of lecture per week for one term.

Credits: 3

This course is designed to provide the student with an understanding of advanced and current issues facing the auditing profession. Specific topics include: The completion of the audit process, professional codes of conduct, audit or pension plans, environmental auditing and the audit of small businesses. Students will be exposed to audit planning software where appropriate.

Administrative Studies Courses**ADMN 1006 Personal Productivity**

Prerequisite: No prerequisite.

Credits: Non-credit

This course is an independent learning course and will be graded on a pass/fail basis. Students will be exposed to the current Microsoft Office applications through the use of hands-on exercises. Students will learn the basic and intermediate skills of Word,

Excel, PowerPoint and Access. Upon completion of this course, students will have acquired the basic skills necessary to be successful in other courses and in their careers. This course will consist of independent learning modules using the Internet, CD and/or manual.

ADMN 1156 Business for Non-Business Majors

Prerequisite: No prerequisite.

Restrictions: Students in the BBA or BComm degree program may not take this course for credit towards their program.

Hours: Three hours of lecture per week for one term.

Credits: 3

This course is designed for non-business majors 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.

ADMN 1607 Business Mathematics

Prerequisite: No prerequisite.

Antirequisite: ADMN 1606, ADMN 2607 and ECON 1127

Hours: Three hours of lecture per week for one term.

Credits: 3

The course examines some basic mathematical principles and techniques and their application in economics. Topics include linear equations, systems of linear equations, mathematical functions, matrices, differential and integral calculus, optimization, mathematics of finance, linear programming, transportation models, and assignment models.

ADMN 2116 Management of Financial Institutions

Prerequisite: ORGS 1136

Restrictions: This course is currently restricted to students in the BComm.

Credits: 3

The objective of this course is to develop an understanding of Canadian and international financial institutions. The regulatory and competitive environment in which these institutions exist will be explored. Among the institutions covered will be banks, trust companies, insurance companies, investment companies, financial planning companies and credit unions.

ADMN 2136 Research in Management

Prerequisite: MKTG 1126 and either ADMN 2606 or ADMN 1606

Antirequisite: ADMN 4136, SOCI 3126

Hours: Three hours of lecture per week for one term.

Credits: 3

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.

ADMN 2167 Business Decision Making

Prerequisite: ACCT 1107, MKTG 1126, and ORGS 1136

Antirequisite: ADMN 1167

Hours: Three hours of lecture per week for one term.

Credits: 3

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.

ADMN 2306 Business Ethics

Prerequisite: No prerequisite.

Hours: Three hours of lecture per week for one term.

Credits: 3

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.

ADMN 2307 Commercial Law

Prerequisite: No prerequisite.

Antirequisite: JURI 2306

Restrictions: Restricted to upper year students.

Hours: Three hours of lecture per week for one term.

Credits: 3

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.

ADMN 2606 Business Statistics

Prerequisite: ADMN 1607

Restrictions: This is an introductory statistics course. A student in a degree program cannot retain credit for more than nine credits of introductory statistics courses.

Antirequisite: ADMN 1606, ECON 2126

Hours: Three hours of lecture per week for one term.

Credits: 3

The course examines some basic statistical theories, concepts, methods and techniques, and their application in business. Topics include measures of central tendency and dispersion, probability theory, probability distributions, sampling, sampling distribution, estimation, hypothesis testing, correlation, and regression. The course also incorporates the use of a popular software program to generate statistical information for analysis and interpretation.

ADMN 2616 Management Science

Prerequisite: ADMN 1607

Hours: Three hours of lecture per week for one term.

Credits: 3

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.

ADMN 2706 Introduction to Intercultural Management

Prerequisite: Restricted to upper level students or permission of the instructor.

Hours: Three hours of lecture per week for one term.

Credits: 3

The course examines case studies and readings that focus on uses of culture, intercultural competence, cultural identity and cultural diversity as strategic, organizational, and promotional tools. At the same time, the course examines the theory and practice of intercultural management and the strategic management of cultures as historically specific cultural phenomena in their own right, and considers the ethical issues highlighted by an intercultural perspective on business activities. Toward this end, the course will encourage students to adopt a range of critical approaches drawn from history, anthropology, organizational sociology, narrative and symbolic/interpretive analysis, post-modern theory, and management practice.

ADMN 3046 Operations Management

Prerequisite: ADMN 2606 and either ADMN 1607 or ADMN 2616; or ADMN 1606

Hours: Three hours of lecture per week for one term.

Credits: 3

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.

ADMN 3056 Economic and Management Decision Making

Prerequisite: ECON 1006, ACCT 1107, ADMN 1607

Antirequisite: ECON 2106, ADMN 2167, ECON 3056

Hours: Three hours of lecture per week for one term.

Credits: 3

This course examines the central decisions faced by managers and focuses on the financial and economic analysis required to guide those decisions using qualitative and quantitative assessment techniques. Topics include evaluation of market competition, demand analysis and optimal pricing strategies, input procurement and inventory management, compensation systems, internal and external incentives faced by managers, short-term versus long-term decision-making, sustainability, game theory, uncertainty and risk analysis, and forecasting. This course includes the use of case studies.

ADMN 3096 Canadian Academic Internship (iLEAD)

Prerequisite: Minimum second year standing in Business and students wishing to take this course must apply to the School of Business in writing.

Antirequisite: ORGS 4145 and TMGT 3096

Hours: 12 week minimum internship and project experience equivalent to a minimum 36 hours of academic class.

Credits: 3

This course involves a pre-approved work placement. Students are required to make a report on a business practice that is key to the business's success or a significant problem that the organization must overcome and its proposed resolution witnessed during the experience.

ADMN 3116 Financial Management I

Prerequisite: ACCT 1107 and either ADMN 1606 or ADMN 1607

Hours: Three hours of lecture per week for one term.

Credits: 3

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.

ADMN 3117 Financial Management II

Prerequisite: ADMN 3116

Hours: Three hours of lecture per week for one term.

Credits: 3

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.

ADMN 3146 International Study Exchange Project (iLEAD)

Prerequisite: Second Year standing in Business and acceptance for International exchange. Students wishing to take this course must apply in writing to the School of Business.

Hours: 12 week minimum internship and project experience equivalent to a minimum 36 hours of academic class.

Credits: 3

This activity involves an international exchange and study at a partner business school. In addition to the traditional study exchange where students may earn credits toward their Nipissing degree, they are required to make a study and report on a business practice that reflects the host country's culture.

ADMN 3306 Introduction to Small Business Administration

Prerequisite: ADMN 2136

Antirequisite: ADMN 4876

Hours: Three hours of lecture per week for one term.

Credits: 3

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.

ADMN 3316 Investments

Prerequisite: ADMN 3116

Hours: Three hours of lecture and one hour of seminar work per week for one term.

Credits: 3

This course covers investment theory, its application by practicing investment analysts, and significant investment challenges. Techniques used in the pricing, selection, and evaluation of fixed income, equity, and derivative securities; security price behaviour, stock-market indicator series, and factors affecting the term structure and risk structure of yields on financial securities are identified and analyzed. This course also gives the student an

overview of portfolio management, introducing modern portfolio theory, equilibrium pricing relationships, and the evaluation of portfolio performance. Students gain insight into the practical application of investment management theory through the use of an experiential exercise.

ADMN 3336 Special Project (iLEAD)

Prerequisites: Business students with minimum of Second Year standing (24 credits completed). Students wishing to take this course must apply in writing to the School of Business.

Hours: Special project engagement and study experience equivalent to a minimum 72 hours of academic class.

Credits: 3

This course involves a pre-approved placement in a project on a full time or part time basis. Students are required to undertake or contribute to a specific project with an organization, including but not limited to the School of Business, and are required to write an in depth report on the outcomes of the project. For students in the BBA, this course may be credited towards stream electives if identified at the time of approval.

ADMN 3337 Field Placement I (iLEAD)

Prerequisites: Business students with minimum of Second Year standing (24 credits completed). Students wishing to take this course must apply in writing to the School of Business.

Hours: Twelve week minimum part time field placement internship and employment related project equivalent to a minimum 36 hours of academic class.

Credits: 3

This course involves a pre-approved placement in an organization on a part time basis. 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. For students in the BBA, this course may be credited towards stream electives if identified at the time of approval.

ADMN 3506 Management of Not-for-Profit Organizations

Prerequisite: Restricted to students in the 3rd year of the BA in Administrative Studies or the 3rd and 4th year of the BBA.

Antirequisite: MKTG 3436

Hours: Three hours of lecture per week for one term.

Credits: 3

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.

ADMN 3657 Management and Integration of New Technologies

Prerequisite: ACCT 1107, MKTG 1126, and ORGS 1137

Restrictions: This course is currently restricted to students in the BComm.

Antirequisite: TMGT 4006

Credits: 3

This course will explore the acquisition, evaluation, implementation, and management of new information systems and related technologies. Information-based technologies (e.g.,

networks, Internet applications, communications systems, software) will be reviewed from both competitive and management perspectives.

ADMN 3907 Insurance and Risk Management

Prerequisite: ACCT 2106 and ADMN 2606

Restrictions: This course is currently restricted to students in the BComm.

Credits: 3

This course will address risk management in both a corporate and personal environment. Concepts considering the reduction and transfer of risk through life and liability insurance will be covered.

ADMN 3917 Creativity for Innovation

Prerequisite: No prerequisite.

Hours: Three hours of lecture per week for one term.

Credits: 3

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, personally and in team situations, in order to help innovate, improve, better, implement, enhance, increase, or strengthen a product, service, opportunity, or person.

ADMN 4116 Fundamentals of Financial Derivatives

Prerequisite: ADMN 3117

Hours: Two hours of lecture and one hour of seminar work per week for one term.

Credits: 3

This course focuses on derivative securities and their applications as risk management and yield enhancement tools for corporations, as well as strategies for using them for arbitrage, hedging, portfolio insurance, and speculation. The analysis will cover standard derivative instruments (futures, forwards, FRA's, swaps, stock options) as well as more recent ones such as exotic options and credit derivatives. The course emphasizes the pricing or valuation of derivatives, as well as the application of derivatives. Valuations are explored through the cost-of-carry model, risk neutral valuations, binomial trees, and the Black-Scholes model.

ADMN 4117 Portfolio Theory

Prerequisite: ADMN 3117

Hours: Two hours of lecture and one hour of seminar work per week for one term.

Credits: 3

This course introduces students to the various models used in designing (or developing) and in evaluating portfolios, including the utility theory and stochastic dominance, the efficient formation of portfolios in mean/variance framework under various assumptions, and the application of asset pricing models. Emphasis is placed on interrelation of economic and market conditions, security valuation techniques, and the specific requirements of individual and institutional investors. The students also compare and contrast the activities of money managers with the strategies implied through various theories.

ADMN 4137 Current Issues in Management

Prerequisite: ORGS 1137

Hours: Three hours of lecture per week for one term.

Credits: 3

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 4146 Community Organization Internship (iLEAD)

Prerequisite: Minimum second year standing in Business and students wishing to take this course must apply to the School of Business in writing.

Antirequisite: ORGS 4145

Hours: 12 week minimum internship and project experience equivalent to a minimum 36 hours of academic class.

Credits: 3

This course involves a pre-approved work placement in a not-for-profit organization. Students are required to make a report on an organization's practice that is key to its success or a significant problem that the organization must overcome and its proposed resolution witnessed during the experience.

ADMN 4155 International Academic Internship (iLEAD)

Prerequisite: Business students with minimum of Second Year Standing. Students wishing to take this course must apply in writing to the School of Business.

Hours: 12 week minimum internship and study experience equivalent to a minimum 72 hours of academic class.

Credits: 6

This course involves a pre-approved international work placement in an organization in a country other than Canada or the United States. Students are required to make a report on a key business practice or a problem witnessed during the experience and its proposed resolution. A Project Report and a "breadth of learning" paper are the deliverables.

ADMN 4165 Intercultural Academic Internship (iLEAD)

Prerequisite: Business students with minimum of Second Year Standing. Students wishing to take this course must apply in writing to the School of Business.

Hours: 12 week minimum internship and study experience equivalent to a minimum 72 hours of academic class.

Credits: 6

This course involves a pre-approved work placement in a situation where the culture is distinctly different from that normally experienced by the student. Students are required to make a report on a key business practice or a problem witnessed during the experience and its proposed resolution. A Project Report and a "breadth of learning" paper are the deliverables.

ADMN 4206 International Management

Prerequisite: Restricted to students in the 3rd and 4th year of the BBA and students in the BComm.

Hours: Three hours of lecture per week for one term.

Credits: 3

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.

ADMN 4335 Honours Thesis (iLEAD)

Prerequisite: ADMN 2136. Students wishing to take this course must apply to the School of Business in writing.

Credits: 6

In this course students will undertake the research project developed and outlined in ADMN 2136 Research in Management or another which they have developed and for which the proposal is approved. This course is an individualized study course where the student works on a one-to-one basis with a faculty advisor.

ADMN 4336 Directed Studies (iLEAD)

Prerequisite: ADMN 2136. Students wishing to take this course must apply to the School of Business in writing.

Credits: 3

This course consists of an investigation of a problem or part of a problem in business or a business related research problem. This course is an individualized study course where the student may work in small class of students each pursuing a common study theme guided by a faculty advisor or may work individually with a Faculty advisor.

ADMN 4337 Field Placement II (iLEAD)

Prerequisites: Business students with minimum of Second Year standing (24 credits completed). Students wishing to take this course must apply in writing to the School of Business.

Hours: Twelve week minimum part time field placement internship and employment related project equivalent to a minimum 36 hours of academic class.

Credits: 3

This course involves a pre-approved placement in an organization on a part time basis. 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. For students in the BBA, this course may be credited towards stream electives if identified at the time of approval.

ADMN 4606 Business Strategy and Policy I

Prerequisite: Restricted to students in the 3rd and 4th year of the BBA and students in the BComm.

Hours: Three hours of lecture per week for one term.

Credits: 3

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.

ADMN 4607 Business Strategy and Policy II

Prerequisite: ADMN 4606

Hours: Three hours of lecture per week for one term.

Credits: 3

This course emphasizes strategy implementation as opposed to strategy formulation. Using techniques introduced in Business Strategy and Policy I, company wide objectives are established leading to the planning and implementation of departmental policies and activities. The challenges associated with implementing and consolidating firm-wide changes in direction and changes in departmental activities are explored from a variety of perspectives. Classes and assignments will feature group discussion, case studies and the submission of a major report. This course may be team-taught by faculty members in the School of Business and Economics.

ADMN 4896 Current Topics in Administration I

Prerequisite: Restricted to students in the 3rd and 4th year of the BBA and BA in Administrative Studies.

Hours: Three hours of lecture per week for one term.

Credits: 3

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.

ADMN 4897 Current Topics in Administration II

Prerequisite: Restricted to students in the 3rd and 4th year of the BBA and BA3 in Administrative Studies.

Antirequisite: Students may not retain credit for both ADMN 4897 and MKTG 3316, if ADMN 4897 was taken in Spring 2008.

Hours: Three hours of lecture per week for one term.

Credits: 3

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.

ADMN 4915 Entrepreneurship

Prerequisite: ADMN 2306, ADMN 2606, ADMN 3116, MKTG 2127, ORGS 1137 and 4th year of the BBA

Antirequisite: ADMN 4916, SOCI 4126

Hours: Three hours of lecture per week.

Credits: 6

This course explores the processes involved in turning an idea into a feasible business opportunity. Students begin by generating and evaluating business ideas for new products and services. The next step requires the student to select a promising business idea that becomes the subject for a significant market research project to determine whether the idea delivers sufficient competitive advantage to proceed further. Promising ideas then are developed further into a sophisticated business plan that is ready for presentations to potential investors. Other topics covered include, assessing entrepreneurial potential, buying of professional services, buying of established ventures, franchising, protecting innovative ideas, and some of the typical challenges faced by beginning businesses.

Marketing Courses

MKTG 1126 Marketing Concepts

Prerequisite: No prerequisite.

Antirequisite: ADMN 2126

Hours: Three hours of lecture per week for one term.

Credits: 3

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.

MKTG 2127 Marketing for Managers

Prerequisite: MKTG 1126

Antirequisite: ADMN 2127 and MKTG 1127

Hours: Three hours of lecture per week for one term.

Credits: 3

This course examines new and existing total market and strategic planning processes. It builds on the techniques and concepts covered in MKTG 1126 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.

MKTG 2417 Communications: Selling and Sales Management

Prerequisite: MKTG 1126

Hours: Three hours of lecture per week for one term.

Credits: 3

This course focuses on the key aspects of the selling process including planning sales strategy, recruiting, selecting, training, motivating and organizing a sales force. The various types and stages of sales process and presentations will be examined and applied through practical classroom exercises. Students will develop the core skills required for persuasive communication, sales, conflict management and negotiations.

MKTG 3126 Consumer Behaviour

Prerequisite: MKTG 1126 or permission of the instructor.

Antirequisite: ADMN 3126

Hours: Three hours of lecture per week for one term.

Credits: 3

This course will explore the behaviour (primarily decision-making) of consumers of services and products in both retail and commercial applications. The role of the consumer in product/service marketplace will be considered including the complex system of human needs, attitudes, motivation, decisions and behaviour.

MKTG 3206 Sports Marketing

Prerequisite: MKTG 1126 and second year standing or higher.

Hours: Three hours of lecture per week for one term.

Credits: 3

This course allows students to extend their understanding of the fundamental concepts of marketing to the area of sports and sporting events. The key principles and topics of sport marketing include the sport industry, the sport consumer, segmentation, targeting and positioning in sport, the sport marketing mix, sponsorship, ambush marketing and mega-event (e.g. Olympics) marketing.

MKTG 3316 Communications: Public Relations

Prerequisite: MKTG 2127

Antirequisite: Students may not retain credit for both

MKTG 3316 and ADMN 4897, if ADMN 4897 was taken in Spring 2008.

Hours: Three hours of lecture per week for one term.

Credits: 3

This course introduces strategic issues and effective practices of communication between organizations and their constituencies. It also focuses on the study of public opinion research, media relations, public relations communication campaigns, crisis management plans and representational ethics. This course prepares students for effective and ethical public communication on behalf of organizations (profit and non-profit).

MKTG 3416 Communications: Advertising and Promotion

Prerequisite: MKTG 1126 and MKTG 2127 or permission of the instructor.

Antirequisite: MKTG 3426

Hours: Three hours of lecture per week for one term.

Credits: 3

This course focuses on understanding the various functions of advertising, the foundations of research and the audience analysis that are imperative to successful advertising. Students will study

the various media formats that carry advertising and promotional messages to audiences, as well as the planning, research and production necessary to create an advertising campaign.

MKTG 3417 International Marketing

Prerequisite: MKTG 3126 or permission of the instructor.
Hours: Three hours of lecture per week for one term.
Credits: 3

This course acknowledges the growing importance of international markets to Canadian businesses. It identifies the strategies a Canadian firm can use to enter international markets, builds an understanding of how political, legal, and cultural issues can influence these strategies, and examines the debate of standardization versus localization of marketing strategies in international markets. Teaching methodology includes readings, cases and a group project.

MKTG 3436 Social Marketing

Prerequisite: MKTG 2127 or permission of the instructor.
Hours: Three hours of lecture per week for one term.
Credits: 3

The course examines the marketing function in the context of public and non-profit organizations, as it is performed to enhance social goals. Specifically, the course explores how marketing can be used to influence behaviour (e.g. eating well) or not to behave (e.g. not smoking, drugs or abuse). Case work, class discussion and lectures are the principal teaching methods used, supplemented by group work.

MKTG 3437 Product and Brand Management

Prerequisite: MKTG 2127 or permission of the instructor.
Hours: Three hours of lecture per week for one term.
Credits: 3

This course focuses on the role of products in the marketing mix, as well as the role of product managers. Topics include understanding the multidimensional nature of products (or services), creating new products, managing existing products and services, the product life cycle, and building brand value.

MKTG 4406 Applied Marketing Management

Prerequisite: MKTG 3126 and MKTG 3416
Hours: Three hours of lecture per week for one term.
Credits: 3

This course is designed to expose students to the complexities of 'real world' marketing, as well as integrate all key aspects of marketing, including consumer behaviour, marketing research, and marketing communications. Given the strategic nature of marketing (and its impact on the entire organization), students are also required to integrate their general management skills by convincing senior management and the other organizational functions of the appropriateness of their strategic recommendations. Given the applied emphasis of this course, the teaching methodology will rely heavily upon case studies, and students will be required to conduct a Marketing Audit of a 'real world' organization.

MKTG 4426 Services Marketing Management

Prerequisite: MKTG 2127 or permission of the instructor.
Hours: Three hours of lecture per week for one term.
Credits: 3

This course examines the issues and opportunities associated with the management of services or 'intangible products'. Topics include the importance of the Services Sector to the Canadian economy (including business, government, and non-profit organizations),

the linkage between Services Marketing and Operations and Human Resources, and critical forces impacting services marketing including government policies, social changes, business trends, advances in information technology, and internationalization and globalization.

MKTG 4427 Business-To-Business Marketing

Prerequisite: MKTG 2127 or permission of the instructor.
Hours: Three hours of lecture per week for one term.
Credits: 3

This course is designed to provide an understanding of marketing to organizational buyers. Organizational buying decision processes will be studied with a view to the development of appropriate marketing strategies. Examination of the role of personal persuasion and effective management of a sales force will help students to become effective implementers of business to business marketing strategies.

Organizational Studies Courses

ORGS 1136 Introduction to Organizational Behaviour

Prerequisite: No prerequisite.
Antirequisite: ADMN 1136, PSYC 2306, PSYC 2307
Hours: One and one-half hours of lecture and one and one-half hours of laboratory work per week for one term.
Credits: 3

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, organizational structure, and organizational change.

ORGS 1137 Management of Human Resources

Prerequisite: ORGS 1136
Antirequisite: ADMN 1137, ADMN 2137
Hours: Three hours of lecture per week for one term.
Credits: 3

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.

ORGS 2006 Recruitment and Selection

Prerequisite: ORGS 1136
Hours: Three hours of lecture per week for one term.
Credits: 3

This course introduces students to the recruitment and selection of employees who will contribute to the success of organizations. Issues with respect to recruitment and selection are examined from legal, ethical, technical and strategic perspectives.

ORGS 2007 Business and Government Relations in Canada

Prerequisite: No prerequisite.
Hours: Three hours of lecture per week for one term.
Credits: 3

The historical context and the modern realities of the interrelationships between business and government are explored, along with

special topics such as the structure of the levels of government in Canada, regulation, lobbying, public and trade policies, taxation and global agreements. A special emphasis is placed on the ethical, political, and social aspects of business and government policies and practices and the impact of business activity and government policy on communities, the economy and the environment.

ORGS 2117 Industrial Relations

Prerequisite: ORGS 1136

Antirequisite: ADMN 2117

Hours: One and one-half hours of lecture and one and one-half hours of laboratory work per week for one term.

Credits: 3

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.

ORGS 3006 Management Practices for Sustainable Business

Prerequisite: ADMN 2306

Hours: Three hours of lecture per week for one term.

Credits: 3

This course explores the complex field of corporate and product specific sustainability measures. We will examine metrics in all three pillars of sustainability (financial, environmental and social). Students will learn through theories, frameworks, and cases for measuring sustainability. We will investigate “good practices” of companies who have implemented sustainability measures and those who are struggling. Students will develop their own repertoire of tools and implementation strategies that can be utilized across industries and sectors to set up sustainability metrics that yield financial, social and environmental profit.

ORGS 3007 Strategic Corporate Social Responsibility

Prerequisite: ADMN 2306

Hours: Three hours of lecture per week for one term.

Credits: 3

It has become clear that business decision makers must not only be concerned with the financial implications of their decisions but also be aware of the social and environmental repercussions of their decisions. There exists an emergent body of research which demonstrates that a commitment to being socially and environmentally responsible has a positive impact on the financial bottom line. The challenge of how to be socially and environmentally responsible while simultaneously being concerned with return-on-investment (ROI) for shareholders is one with which managers increasingly now struggle. This course examines the manner in which Corporate Social Responsibility (CSR) can become an integral part of setting corporate/organizational strategies.

ORGS 3016 The Evolution of Business: Comparative Perspectives

Prerequisite: Completion of 2nd year studies.

Hours: Three hours of lecture per week for one term.

Credits: 3

This course explores the evolution of business from its early inception as basic barter to mercantilism, to commodities trading to the industrial factory, to the modern multinational. The course also examines the role of labour, entrepreneurs, systems of

governments, financial institutions, consumers and social change in this evolution. Management thought will be analyzed through historical and modern perspectives using the mediums of writings, art and film to provide students with a comparative point of reference for considering business strategy.

ORGS 3146 Compensation and Rewards

Prerequisite: ORGS 1137

Antirequisite: ADMN 3146

Hours: Three hours of lecture per week for one term.

Credits: 3

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.

ORGS 3147 Occupational Health and Safety

Prerequisite: ORGS 1137

Antirequisite: ADMN 3147

Hours: Three hours of lecture per week for one term.

Credits: 3

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.

ORGS 3246 Human Resources Research and Information Systems

Prerequisite: ORGS 1137

Antirequisite: ADMN 3246

Hours: Three hours of lecture per week for one term.

Credits: 3

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.

ORGS 3247 Human Resources Planning

Prerequisite: ORGS 1137

Antirequisite: ADMN 3247

Hours: Three hours of lecture per week for one term.

Credits: 3

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.

ORGS 3307 Gender and Diversity in Organizations

Prerequisite: No prerequisite.

Antirequisite: ADMN 3307

Hours: Three hours of lecture per week for one term.

Credits: 3

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.

ORGS 3836 Training and Development

Prerequisite: ORGS 1137

Antirequisite: ADMN 3836

Hours: Three hours of lecture per week for one term.

Credits: 3

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.

ORGS 4706 Organizational Structure and Design

Prerequisite: ORGS 1137

Antirequisite: ADMN 3706, ORGS 3706

Hours: Three hours of lecture per week for one term.

Credits: 3

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.

ORGS 4837 Organizational Development and Change

Prerequisite: ORGS 1137

Antirequisite: ADMN 3837, ORGS 3837

Hours: Three hours of lecture per week for one term.

Credits: 3

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.

Technology Management Courses

TMGT 1107 Introduction to Innovation, Technology and Sustainability

Prerequisite: No prerequisite.

Antirequisite: TMGT 1106

Hours: Three hours of lecture per week for one term.

Credits: 3

This course provides an introduction to the use of technology in business and an understanding of innovation, environmental sustainability and social responsibility. The relationship between technology, innovation and sustainability from the perspective of the firm and society is examined. The concepts of innovation and commercialization of technologies are studied. Evaluation

technologies, their impact on business and society, and technology sustainability in a variety of industries and applications such as green technologies, Geographic Information Systems (GIS) are assessed. Collaboration, project management, change management, privacy and security and concepts related to the successful deployment of technology are introduced.

TMGT 2011 Fundamentals of GIS and Computer Mapping

Prerequisite: No prerequisite.

Restrictions: Restricted to upper level students. Students in Geography programs cannot retain credit for this course.

Antirequisite: GEOG 2011 and GEOG 3056

Hours: Two hours of lecture and one hour of laboratory work per week for one term.

Credits: 3

This integrated lecture-lab course introduces the students to the fundamental concepts and approaches of geographical information systems together with computer mapping. GIS applications in a variety of areas, including public service, commercial market analysis and environmental history analysis, among other applications, will be introduced to the students. Computers will be used in the lab sessions. This course is suitable for students in non-Geography programs. This course may be credited toward Science.

TMGT 2106 Systems Analysis and Design

Prerequisite: COSC 1557

Antirequisite: COSC 2526

Hours: Three hours of lecture and/or lab per week for one term.

Credits: 3

The critical areas of system analysis and design are discussed in this course through an interactive mix of lectures, case studies and team work. The objective is to have students discuss and understand the issues surrounding the development of a system and to look at technology management issues and problems and design reasonable solutions to them.

TMGT 3006 Technology, Business and Society

Prerequisite: No prerequisite.

Antirequisite: ADMN 2047

Hours: Three hours of lecture per week for one term.

Credits: 3

This course takes a macro view of how technology affects business and our society. Societal considerations that are discussed include, privacy issues, ethical issues, globalization and differing rates of usage of technology by the third world. Technological issues associated with the "wired world" and automation's effects on the workplace and its impact on required productivity levels are also discussed. Finally, issues for individuals such as increased retraining requirements, increased worker mobility, questions about personal security, telecommuting and information overload are all considered.

TMGT 3017 Programming for Business

Prerequisite: COSC 1557

Antirequisite: COSC 1566, COSC 1577, COSC 1587

Hours: Three hours of lecture and/or lab per week for one term.

Credits: 3

This course provides the students with insights into some popular programming languages. The intent of the course is not to make the student an expert in one particular type of program, but to enhance their understanding of how programming in general enables them to set and reach business goals. Choosing the right program, extracting information and other issues will be explored. A current programming language will be used to help reinforce these issues.

TMGT 3236 Networking in a Business Environment

Prerequisite: COSC 1557

Antirequisite: COSC 2657 and COSC 3656

Hours: Three hours of lecture and/or lab per week for one term.

Credits: 3

A foundation in networking concepts is an integral part of any course of study relating to technology. This course will introduce the students to networking hardware and software concepts and provides an understanding of how networking is done and put together in order to implement a system. This course will be a combination of lecture and lab.

TMGT 3807 Project Management

Prerequisite: No prerequisite.

Antirequisite: COSC 3807, TMGT 2807

Hours: Three hours of lecture per week for one term.

Credits: 3

Managers are often confronted with the need to manage substantial changes of many types in a cost effective and timely manner and project management methods are commonly chosen as the preferred method to accomplish these objectives. This course is intended to provide students with the knowledge and skills of project management through an integrated view of the concepts, skills, tools, and techniques involved in the management of projects. Course work includes the hands-on management of a project using popular project management software tools.

TMGT 3856 Information Systems

Prerequisite: Third year standing in either the BBA or BComm.

Restrictions: ADMN 3116 is recommended.

Antirequisite: ADMN 3856

Hours: Three hours of lecture per week for one term.

Credits: 3

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.

TMGT 4006 Management of Innovation and Technology

Prerequisite: ADMN 3046, ADMN 3116 and ORGS 3837

Antirequisite: ADMN 3657

Hours: Three hours of lecture per week for one term.

Credits: 3

This course introduces future managers of innovation and technology to the unique issues that they will face. This course discusses the process of turning ideas into innovation, the strategic issues of technological leadership and followership and those all too common corporate practices that prevent ideas from becoming innovations. Among others, specific issues to be discussed will include knowledge management practices, project management theories, life cycle costing and lead user programs. Students will also be exposed to practical management tools that they can use to manage specific innovation and technological changes.

TMGT 4126 E-Business

Prerequisite: COSC 1557 or TMGT 3856

(formerly ADMN 3856)

Antirequisite: ADMN 4896 (if taken prior to Fall 2003),

COSC 3497 and TMGT 3126

Hours: Three hours of lecture and/or lab per week for one term.

Credits: 3

Industry and the general public are embracing a new communications paradigm, called the Internet. Commercial use of the Internet has flourished at an unprecedented rate, creating a parallel need for knowledgeable graduates in the areas such as web development. This course will cover the different topics associated with E-Business such as establishing an electronic commerce business on the web from both a theoretical and a practical view. In addition, students will explore issues relating to integrating information flow (and the associated technology) through the supply chain. Students will be exposed to hands-on experience in developing a website and the issues that surround it such as start-up, creation and maintenance.

TMGT 4417 Current Trends in Technology Management

Prerequisite: ADMN 2136 and TMGT 3006

Restrictions: Restricted to students in the third and fourth year of the BBA. Approval of the School 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 School no later than February 15.

Credits: 3

The objective of this course is to allow those students interested in areas of technology to complete an in-depth research study. This course is dependent on a relevant research project and access to an appropriate faculty member.

Chemistry Courses

CHEM 1911 Introduction to Basic Chemistry

Restrictions: CHEM 1911 may not be credited towards any science program requirements.

Prerequisite: Grade 11 Chemistry

Antirequisite: SCH 4U or equivalent.

Hours: Three hours of lecture per week for one term.

Credits: 3

This course covers the basic principles of chemistry and prepares students for continued studies in chemistry and other sciences.

CHEM 1006 General Chemistry I

Prerequisite: 4U Chemistry or equivalent, or instructor's permission.

Antirequisite: CHEM 1005

Hours: Three hours of lecture and three hours of laboratory work per week for one term.

Credits: 3

This introductory course examines the fundamental principles of chemistry. Topics include the periodic properties of the elements, reactions of atoms, ions, and molecules, solutionstoichiometry, thermochemistry, electronic structure of atoms, basic chemical bonding, and molecular geometry.

CHEM 1007 General Chemistry II

Prerequisite: CHEM 1006

Antirequisite: CHEM 1005

Hours: Three hours of lecture and three hours of laboratory work per week for one term.

Credits: 3

This course is a continuation of CHEM 1006, covering topics such as general chemical equilibrium theory, solution chemistry, acid-base theory, rates and mechanisms of chemical reactions, and chemical thermodynamics.

CHEM 2046 Environmental Analytical Chemistry

Prerequisite: CHEM 1006 and CHEM 1007

Hours: Three hours of instruction per week for one term.

Credits: 3

Students study the theory of environmental chemical analysis including sampling methods, chemical preparation of the sample, & the final analysis. Instrumental methods of analysis are emphasized including spectroscopic methods (visible spectroscopy and atomic absorption) electrochemical methods (pH and ion specific electrode, conductivity, and dissolved oxygen methods). Laboratory experiments are conducted involving these techniques.

CHEM 2106 An Introduction to Analytical Chemistry

Prerequisite: CHEM 1005 or CHEM 1006 and CHEM 1007

Hours: Three hours of lecture and three hours of laboratory work per week for one term.

Credits: 3

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 2306 Introduction to Organic Chemistry I

Prerequisite: CHEM 1005 or CHEM 1006 and CHEM 1007

Hours: Three hours of lecture and three hours of laboratory work per week for one term.

Credits: 3

An introduction to organic chemistry covering physical and chemical properties of simple organic compounds, nomenclature, stereochemistry, and reactions of the main functional groups. Concepts of reaction mechanisms are also introduced. The laboratory includes techniques and methods used by organic chemists to identify, synthesize, separate, and purify organic compounds.

CHEM 2307 Introduction to Organic Chemistry II

Prerequisite: CHEM 2306

Hours: Three hours of lecture and three hours of laboratory work per week for one term.

Credits: 3

Physical and chemical properties of aldehydes/ketones, carboxylic acid family, dicarbonyls, amines, phenols, and other aromatic compounds. A special emphasis on reaction mechanisms as well as spectroscopic methods for identification of organic compounds. Additional topics as time permits. Laboratory experiments focus primarily on synthesis of organic compounds and their detection using spectroscopic techniques.

CHEM 2407 Inorganic Chemistry I

Prerequisite: CHEM 1005 or CHEM 1006 and CHEM 1007

Hours: Three hours of lecture and three hours of laboratory work per week for one term.

Credits: 3

This course will constitute a review of simple concepts in bonding and acid-base theory. Further a survey of the chemistry of the s and p elements, trends and their relation to the periodic system, as well as an introduction to chemistry of d-block elements will be covered.

CHEM 3017 Instrumental Analysis

Prerequisite: CHEM 2106

Antirequisite: CHEM 2206

Hours: Three hours of lecture and three hours of laboratory work per week for one term.

Credits: 3

This course will focus on the principles, instrumentation, and applications of instrumental chemical analysis using optical (visible spectroscopy, atomic absorption and emission and fluorescence), chromatographic methods (thin layer chromatography, gas chromatography, high-performance liquid chromatography), and electroanalytical methods.

CHEM 3026 Organic Structure Determination

Prerequisite: CHEM 2307

Hours: Three hours of lecture and three hours of laboratory work per week for one term.

Credits: 3

This course will study molecular structure as revealed by modern spectroscopic methods. Topics include the theory and practice of various spectroscopic methods, with emphasis on nuclear magnetic resonance (NMR) based methods. Emphasis will be placed on the integrated interpretation of spectroscopic data and problem solving. The laboratory component provides 'hands-on' experience with characterization of organic compounds and problem solving.

Child and Family Studies Courses

CHFS 1006 Introduction to Child and Family Studies

Prerequisites: No prerequisite.

Antirequisites: CHFS 1005, CHFS 2005

Hours: Three hours of lecture per week for one term.

Credits: 3

This course provides an introduction to the field child and family studies and examines the advantages of a multidisciplinary approach to studying children and families. Theoretical issues and debates are addressed, notably concerning the normative basis upon which the well-being of children and families can be assessed. Other topics include the history of childhood, the evolution of family life, childhood development, the stresses and challenges confronting children and families, and potential strategies for empowerment.

CHFS 2106 Human Development: Children and Youth

Prerequisites: CHFS 1006

Antirequisites: PSYC 2006

Hours: Three hours of lecture per week for one term.

Credits: 3

Students study the development from conception to adolescence. Students explore central concepts in the study of children and adolescents, including nature-nurture and introduction to epigenetics, qualitative-quantitative change, change-stability, developmental pathways and the roles of individual differences and diversity in development. Students are introduced to determinants of health as a framework for developmental outcome and encouraged to

challenge ‘common-sense’ approaches and misconceptions about child and adolescent development by learning to evaluate relevant evidence in the field.

CHFS 2107 Human Development: Adults and Aging

Prerequisites: CHFS 2106

Antirequisites: PSYC 2007

Hours: Three hours of lecture per week for one term.

Credits: 3

Students explore human development from early adulthood through the final stages of life. A bio-psycho-social approach to adult development is taken including lifespan developmental theories and research methods; theories of aging; age related changes in cognitive and intellectual functioning; personality, social, and inter-personal relationships; psychopathology and disease associated with aging; individual differences and cultural context of aging; wellness and quality of life in aging; stages of death and dying; the ethics of euthanasia; and implications and access to health and social services for older adults.

CHFS 2206 Children, Families, and Social Justice

Prerequisites: CHFS 1006

Antirequisites: CHFS 2016

Hours: Three hours of lecture per week for one term.

Credits: 3

Students explore current research in the areas of childhood and adolescence, with a focus on how age and generation intersect with social class, race, gender, ability and sexuality. Students become familiar with current theory regarding the impact of social location on life experiences and have the opportunity to explore the impact of societal critically on different groups of children and youth.

CHFS 2216 Children’s Rights

Prerequisites: Any course listed in Child and Family Studies

Antirequisites: CHFS 3006

Hours: Three hours of lecture per week for one term.

Credits: 3

Students examine evolving views of children and childhood, with the primary focus being the developing conceptualization of children as bearers of rights, full citizens with entitlements and responsibilities. The UN Convention on the Rights of the Child is the focal point of discussion and debate in this regard, and the course provides students with the opportunity to employ the Convention as an instrument of critique, assessing levels of commitment to children in Canada and around the world.

CHFS 2217 Selected Topics in Children’s Rights

Prerequisites: Any course listed in Child and Family Studies

Antirequisites: CHFS 3007

Hours: Three hours of lecture per week for one term.

Credits: 3

Students undertake in-depth investigations of particular policy and practice areas will be undertaken, assessing levels of commitment to children in relation to obligations under the UN Convention on the Rights of the Child.

CHFS 3026 Methods in Behavioural Research

Prerequisites: CHFS 1006 and PSYC 1106

Antirequisites: CHFS 3025

Hours: Two hours of lecture and one hour of laboratory time per week for one term.

Credits: 3

This course focuses on understanding quantitative and qualitative research methodology in the behavioural and social sciences. Topics include basic research and application, developing hypotheses, designing proposals and protocols, ethics, measurement concepts, observing behaviour, survey research, experimental, quasi-experimental, and single-subject designs, and preparation and understanding of research reports.

CHFS 3027 Analysis in Behavioural Research

Prerequisites: CHFS 3026

Antirequisites: CHFS 3025; PSYC 3356

Hours: Two hours of lecture and two hours of laboratory time per week for one term.

Credits: 3

This course emphasizes experimental design and data analysis, including an introduction to using SPSS. Descriptive and inferential statistics, probability theory, hypothesis testing, including t-tests, analysis of variance and covariance, correlation, linear regression, and an introduction to nonparametric statistics.

CHFS 3037 Multiculturalism, Race and Childhood

Prerequisite: 24 credits completed; or permission of the instructor.

Hours: Three hours of lecture per week for one term.

Credits: 3

This course will explore the impact of the constructions of race, ethnicity and racism on children and youth, both historically and in the current context. Canada’s multiculturalism policy will be examined in order to understand the ways in which state policies may affect children, youth and families. Students will become familiar with a sociological approach to investigating childhood and adolescence and will have the opportunity to critically consider how micro level issues are integrally influenced by broader societal forces and policies. Although the Canadian context will be a central focus, global issues also will be integrated throughout the course.

CHFS 3105 Child Welfare: Critical Reflections

Prerequisite: 24 credits completed; or permission of the instructor.

Hours: Three hours of lecture per week.

Credits: 6

This course will examine legislation, policies, programs, and practices in the field of child welfare, critically assessing these in relation to the needs and rights of children and the well-being of families. The history and evolution of approaches to child welfare, the factors shaping developments in the field, and central issues and debates, will be explored. In addition, the present paradigm of social work practice in child welfare will be considered, and suggested alternatives examined.

CHFS 3116 Autism Spectrum Disorders

Prerequisites: 24 credits completed; or permission of the instructor.

Hours: Three hours of lecture per week for one term.

Credits: 3

This course will explore the nature of Autism Spectrum Disorders, including epidemiology, screening and assessment, and treatment and interventions. A lifespan approach will be applied to a broad range of topics, including historical considerations, diagnostic issues, prevalence/incidence, profile of ASD including the triad of impairments, genetic linkages, cognitive processing and executive functioning, and evidence-informed interventions including an

introduction to applied behavioural analysis and positive behavioural support models. Students will consider evidence-informed principles for the development of successful programs for children and adolescents with ASD, as well as explore best-practice models for youth transition into adult care and supportive services. Principles of child/family centered care and support will be studied throughout the course.

CHFS 3127 Fetal Alcohol Spectrum Disorders

Prerequisites: 24 credits completed; or permission of the instructor.

Hours: Three hours of lecture per week for one term.

Credits: 3

Fetal Alcohol Spectrum Disorders will be explored through a lifespan development and determinants of health framework. Diagnosis, epidemiology, cognitive, behavioural, and mental health profile including primary and secondary disabilities, prevention, treatment, management, and policy issues will be discussed. Implications will be explored from several perspectives, including individual development and learning, child and family well-being, and impact on and responsibility of community and society.

CHFS 3136 Principles, Methods and Applications in Applied Behaviour Analysis

Prerequisites: CHFS 2106 and CHFS 2107

Hours: Three hours of lecture per week for one term.

Credits: 3

This course introduces students to the fundamentals of behavioural-analytic research and application. Theory, principles and application are discussed in exploring assessment, direct training programs, skill teaching and adaptive behaviour support, environmental accommodation/modification, and strategies related to management and reduction of maladaptive behaviour. A least-restrictive and integrative Applied Behavioural Analysis framework introduces students to principles of positive behavioural support across various service environments, settings, sectors and life stages.

CHFS 3206 Case Studies: Marginalized Groups of Children

Prerequisite: No prerequisite.

Hours: Three hours of lecture per week for one term.

Credits: 3

This course investigates the marginalization of groups of children both in Canada and around the world, and different case studies are examined in assessing the social, political, and cultural factors behind exclusion. The denial of status and recognition in all of its forms, and the corresponding vulnerability of these children, is the central focus of study.

CHFS 3216 Caregivers and the Welfare of Children and Families

Prerequisite: No prerequisite.

Hours: Three hours of lecture per week for one term.

Credits: 3

This course investigates the status of caregivers in Canadian society, in relation to their contribution to the welfare of children and families. Care-giving as it applies to children, youth, and the elderly is examined, and societal recognition for the role is assessed. Some of the issues focused on are the following: work, values, and recognition; paid and unpaid work; volunteerism and professionalism; and the division of work by gender. Implications for children and the family are considered.

CHFS 4005 Honours Seminar

Prerequisite: Students must be in the Honours Child and Family Studies program and must have completed 24 credits in Child and Family Studies.

Hours: Three hours of lecture per week.

Credits: 6

This seminar will offer students the opportunity to study advanced topics and issues at a deeper level of interrogation. While topics will vary from year to year, depending on the interests and background of the instructor, generally these topics and issues will be drawn from subject-matter that the student will have had some introduction to earlier in the Child and Family Studies program. Student presentations will occur throughout the year.

CHFS 4105 Research Essay

Prerequisite: Students must have completed 24 credits of courses listed in Child and Family Studies. Restricted to students in the fourth year of the Honours CHFS 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

This course involves research carried out under the supervision of a faculty member, with the student completing an in-depth investigation of topics or issues relevant to the field of Child and Family Studies. The student undertakes a research project, culminating in the completion of a research essay.

Classical Studies Courses

CLAS 1006 the Civilization of Ancient Greece

Prerequisite: No prerequisite.

Antirequisite: CLAS 1005

Hours: Three hours of lecture per week for one term.

Credits: 3

This course introduces students to the literature, art, philosophy, religion, and social life of the ancient Greeks from the Bronze Age to the height of the Roman Empire. Special attention is paid to situating ancient Greek culture in its appropriate historical context and to examining the influence of Classical Greek civilization on the cultural history of the Western world.

CLAS 1007 The Civilization of Ancient Rome

Prerequisite: No prerequisite.

Antirequisite: CLAS 1005

Hours: Three hours of lecture per week for one term.

Credits: 3

This course introduces students to the literature, art, philosophy, religion, law and social life of the ancient Romans from the eighth century BCE to the height of the collapse of the Roman Empire. Roman cultural development is placed in its historical context and the influence of Roman culture and empire on later Western history is explored.

CLAS 1106 Introductory Latin I

Prerequisites: No prerequisite

Antirequisites: CLAS 1105

Hours: Three hours of lecture per week for one term.

Credits: 3

This course is designed for students with little or no previous knowledge of the Latin language. Students will be introduced to the fundamentals of Latin language (grammar, syntax and vocabulary). By the end of the course students will be able to begin reading abridged passages of Latin authors. Emphasis will also be placed on etymology.

CLAS 1107 Introductory Latin II

Prerequisites: CLAS 1106 or equivalent.

Antirequisites: CLAS 1105

Hours: Three hours of lecture per week for one term.

Credits: 3

This course is a continuation of CLAS 1106 Introductory Latin I. The aim of this course is to provide students with enough knowledge of Latin grammar and syntax to begin reading simple unabridged passages by Latin authors including Vergil, Plautus and Julius Caesar.

CLAS 1206 Introductory Ancient Greek I

Prerequisites: No prerequisite.

Antirequisites: CLAS 1205

Hours: Three hours of lecture per week for one term.

Credits: 3

This course is designed for students with little or no previous knowledge of ancient Greek. Students will be introduced to the fundamentals of the Greek language (Greek alphabet, grammar, syntax and vocabulary). By the end of the course students will be able to read short abridged passages in ancient Greek. Emphasis will also be placed on etymology.

CLAS 1207 Introductory Greek II

Prerequisites: CLAS 1206

Antirequisites: CLAS 1205

Hours: Three hours of lecture per week for one term.

Credits: 3

This course is the continuation of CLAS 1206 Introductory Ancient Greek I. The aim of this course is to provide students with sufficient skills to begin reading simple unabridged passages by ancient Greek authors, including Homer, Plato, and the New Testament.

CLAS 2006 Myth and Religion in Ancient Greece

Prerequisite: No prerequisite.

Antirequisite: CLAS 2005

Hours: Three hours of lecture per week for one term.

Credits: 3

This course is an examination of the origins and evolution of religious thought and practice in ancient Greece from the Bronze Age to the rise of Christianity. Greek myths are studied in detail and are situated in their proper historical and religious contexts in order for the student to understand them as more than mere stories. Comparisons are frequently made with other mythic traditions of ancient Egypt and the Near East and the students are also introduced to many of the competing theories surrounding the origin, meaning, and interpretation of ancient myth. This course may be credited towards Religions and Cultures.

CLAS 2007 Myth and Religion in Ancient Rome

Prerequisite: No prerequisite.

Antirequisite: CLAS 2005

Hours: Three hours of lecture per week for one term.

Credits: 3

This course examines the origins and evolution of religious thought and practice in ancient Rome from its mythic foundation to the triumph of Christianity in late antiquity. Roman myth is examined in detail and situated in its appropriate historical, social, political, and religious contexts. Special attention is paid to the relationship between politics, myth, and religion as well as to the influence of mythic and religious traditions from other Mediterranean cultures on Roman religious thought and practice. This course may be credited towards Religions and Cultures.

CLAS 2116 Intermediate Latin I: Advanced Latin Grammar

Prerequisite: CLAS 1105

Antirequisite: CLAS 2115

Hours: Three hours of lecture per week for one term.

Credits: 3

This course continues and completes the introduction to Latin grammar, syntax, and vocabulary begun in CLAS 1105.

CLAS 2117 Intermediate Latin II: Introduction to Latin Literature

Prerequisite: CLAS 2116

Antirequisite: CLAS 2115

Hours: Three hours of lecture per week for one term.

Credits: 3

This course is a continuation of CLAS 2116 and introduces the student to reading a variety of original prose and poetry works from Latin authors.

CLAS 2206 Sport and Recreation in the Classical World

Prerequisite: No prerequisite.

Restrictions: Restricted to upper level students.

Hours: Three hours of lecture per week for one term.

Credits: 3

The history of sport in Greece and Rome from Homer to the Caesars, with emphasis on its relationship to literature, religion, education and community life. Highlights include the Greek Olympic Games, the Roman gladiator combats and chariot racing, and comparison between ancient and modern sport and sporting values.

CLAS 2216 Intermediate Ancient Greek I: Advanced Greek Grammar

Prerequisite: CLAS 1205 or equivalent.

Antirequisite: CLAS 2205

Hours: Three hours of lecture per week for one term.

Credits: 3

This course completes the introduction to Greek grammar, syntax, and vocabulary begun in CLAS 1205.

CLAS 2217 Intermediate Ancient Greek II: Introduction to Greek Literature

Prerequisite: CLAS 2216

Antirequisite: CLAS 2205

Hours: Three hours of lecture per week for one term.

Credits: 3

This course is a continuation of CLAS 2216 and introduces the student to reading a variety of original prose and poetry works from Greek authors.

CLAS 2306 The Greek Historians

Prerequisite: No prerequisite.

Antirequisite: CLAS 2305

Hours: Three hours of lecture per week for one term.

Credits: 3

The historical aims and methods and the literary style of the ancient Greek Historians are studied in detail. This course includes an examination of the ancient historians' estimate of moral and social behaviour as this relates to the thought of the time. This course may be credited toward History.

CLAS 2307 The Roman Historians

Prerequisite: No prerequisite.

Antirequisite: CLAS 2305

Hours: Three hours of lecture per week for one term.

Credits: 3

The historical aims and methods and the literary style of the ancient Roman historians are studied in detail. The course includes an examination of the ancient historians' estimate of moral and social behaviour as this relates to the thought of the time. This course may be credited toward History.

CLAS 2316 Introduction to Ancient Greek Literature in Translation

Prerequisite: No prerequisite.

Antirequisite: CLAS 2106

Hours: Three hours of lecture per week for one term.

Credits: 3

This course introduces the student to major genres and works from the literature of ancient Greece. Major stylistic innovations and characteristics of specific genres and authors will be examined and each work will be situated in its appropriate social, cultural, political, and historical context. This course may be credited toward English Studies (Group 1).

CLAS 2317 Introduction to Roman Literature in Translation

Prerequisite: No prerequisite.

Antirequisite: CLAS 3106 and CLAS 3107

Hours: Three hours of lecture per week for one term.

Credits: 3

This course introduces the student to major genres and authors of the literature of ancient Rome. Major stylistic innovations and characteristics of specific genres and authors will be examined and each work will be situated in its appropriate social, cultural, political, and historical context. This course may be credited toward English Studies (Group 1).

CLAS 2406 War and Society in Ancient Greece

Prerequisite: Any course in or cross-listed with Classical Studies.

Antirequisite: CLAS 2405

Hours: Three hours of lecture per week for one term.

Credits: 3

Warfare was endemic in the ancient world. Therefore, this course is a study of the origins of military conflict and the evolution of warfare in ancient Greece from the eighth century BCE through to the Roman conquest. While attention will be paid to strategy, tactics, technology, organization and set battles, close attention will also be paid to the social, economic, cultural, and political consequences of warfare and conquest in ancient Greece.

CLAS 2407 War and Society in Ancient Rome

Prerequisite: No prerequisite.

Antirequisite: CLAS 2405

Hours: Three hours of lecture per week for one term.

Credits: 3

This course will examine the causes of organized violence and the evolution of warfare in ancient Rome from the eighth century BCE to the collapse of the Western Roman Empire. Organization, strategy, tactics, and technology will be studied, however, special attention will be paid to the social, cultural, economic and political consequences of Roman warfare and imperial expansion.

CLAS 2416 The History of Ancient Greece: From the Bronze Age to the Death of Cleopatra

Prerequisite: No prerequisite.

Hours: Three hours of lecture per week for one term.

Credits: 3

This course will introduce the student to the history of Ancient Greece from the Bronze Age to the fall of Cleopatra. Special attention will be paid to changing social, political, and economic structures as well as the origins and evolution of democracy, and the impact of imperial conquest on the social and political life of ancient Greece. This course may be credited towards History.

CLAS 2417 The History of Ancient Rome: From the Beginning to the Barbarian Invasions

Prerequisite: No prerequisite.

Hours: Three hours of lecture per week for one term.

Credits: 3

This course will introduce the student to the history of ancient Rome from its foundation, through its rise to imperial domination, and ends with the collapse of the Roman Empire in the West. Special attention will be paid to changing social, economic, and political structures, the origins and evolution of empire, and the impact of empire in Rome and on Rome's conquered subjects. This course may be credited towards History.

CLAS 2426 Famous Figures of Ancient Greece

Prerequisite: No prerequisite.

Hours: Three hours of lecture per week for one term.

Credits: 3

This course will introduce the student to some of the key figures of ancient Greece such as Solon, Alexander the Great, or Cleopatra through the study of ancient biographical authors such as Plutarch and Cornelius Nepos, as well as through other historiographical sources. The selection will vary from year to year according to the interests of the instructor and the students. This course may be credited towards History.

CLAS 2427 Famous Figures of Ancient Rome

Prerequisite: No prerequisite.

Hours: Three hours of lecture per week for one term.

Credits: 3

This course will introduce the student to some of the key figures of ancient Rome such as Cicero, Julius Caesar, and the Roman emperors through the study of ancient biographical authors such as Plutarch and Suetonius, as well as through other historiographical sources. The selection will vary from year to year according to the interests of the instructor and the students. This course may be credited towards History.

CLAS 2506 Greek Art and Architecture

Prerequisite: No prerequisite.

Antirequisite: CLAS 2505

Hours: Three hours of lecture per week for one term.

Credits: 3

This course examines ancient Greek art and architecture based on archeological evidence and historical and literary records. This course may be credited towards a Major in Fine Arts (Art History and Visual Studies stream).

CLAS 2507 Roman Art and Architecture

Prerequisite: No prerequisite.

Antirequisite: CLAS 2505

Hours: Three hours of lecture per week for one term.

Credits: 3

The course examines Roman art and architecture based on archeological evidence and historical records. This course may be credited towards Major in Fine Arts (Art History and Visual Studies stream).

CLAS 3066 Race, Racism, and Ethnic Identity in Ancient Greece and Rome

Prerequisite: No prerequisite.

Hours: Three hours of lecture per week for one term.

Credits: 3

Until very recently it was assumed that racism was a modern phenomenon and that it did not exist in the ancient world. This position has begun to change and historians have discovered numerous examples of racist thought and behavior in antiquity. This course is an examination of the origins and evolution of racist thought and behavior in ancient Greece and Rome. Special attention is paid to competing theories about racism and ethnic identity formation in antiquity as well as to the role played by ancient ideas about race in shaping modern racist ideas and practices. This course may be credited towards History.

CLAS 3096 Women in Ancient Greece

Prerequisite: No prerequisite.

Antirequisite: CLAS 3095

Hours: Three hours of lecture per week for one term.

Credits: 3

This course explores the lives of women in ancient Greece through a critical examination of a wide variety of historical evidence, including archaeology and visual art. Women of all socio-economic classes will be investigated. Some of the topics may include women's place and role in the family, in law, in the economy, in religion, their representation in literature and art, stereotypes, values and norms of behaviour, categories of gender and male-female dynamics as well as the impact of slavery on women's lives. Attention will also be paid to the difficulties in attempting to uncover 'real Greek women' from evidence that is almost exclusively written by upper-class males. The course also explores the similarities and differences between ancient and contemporary notions of female identity and the position of women in society. This course may be credited towards Gender Equality and Social Justice and History.

CLAS 3097 Women in the Roman World

Prerequisite: No prerequisite.

Antirequisite: CLAS 3095

Hours: Three hours of lecture per week for one term.

Credits: 3

This course explores the lives of women in the ancient Roman World through a critical examination of a wide variety of historical

evidence, including archaeology and visual art. Women of all socio-economic classes will be investigated. Some of the topics may include women's place and role in the family, in law, in the economy, in religion, their representation in literature and art, stereotypes, values and norms of behaviour, categories of gender and male-female dynamics as well as the impact of slavery on women's lives. Attention will also be paid to the difficulties in attempting to uncover 'real Roman women' from evidence that is almost exclusively written by upper-class males. The course also explores the similarities and differences between ancient and contemporary notions of female identity and the position of women in society. This course may be credited towards Gender Equality and Social Justice and History.

CLAS 3116 Selected Latin Authors I

Prerequisite: CLAS 2117

Antirequisite: CLAS 3115

Hours: Three hours of lecture per week for one term.

Credits: 3

This course is a comprehensive examination of a specific genre of Latin prose literature such as historiography, the novel, or oratory. The chosen genre will vary from year to year and will be selected in accordance with both the interests of the students and the interests and expertise of the instructor.

CLAS 3117 Selected Latin Authors II

Prerequisite: CLAS 2117

Antirequisite: CLAS 3115

Hours: Three hours of lecture per week for one term.

Credits: 3

This course is a comprehensive examination of a specific genre of Latin poetry such as epic, comedy, tragedy, satire, or erotic and love poetry. The chosen genre will vary from year to year and will be selected in accordance with both the interests of the students and the interests and expertise of the instructor.

CLAS 3206 Gender and Sexuality in Greece and Rome

Prerequisite: No prerequisite.

Hours: Three hours of lecture per week for one term.

Credits: 3

This course examines Greek and Roman sexuality and categories of gender through the study of literature, legal documents and visual art. Some of the topics pursued in this course include the body and erotic desire, ideas about male and female. It will pursue questions such as how did slavery affect ideas about categories of gender and sexuality? In what ways did ancient homosexuality differ from modern lesbian and gay culture? To what extent have Greek and Roman attitudes about gender and sexuality shaped the attitudes of later Western culture? This course may be credited towards Gender Equality and Social Justice and History.

CLAS 3207 Slavery in the Roman World

Prerequisite: No prerequisite.

Hours: Three hours of lecture per week for one term.

Credits: 3

This course examines the institution of slavery at Rome. Some of the main themes pursued in this course include the origins and development of Roman slavery, how it was maintained, and what its impact was on a society that depended on slavery for its wealth and power. We will look at the slave supply, at what slaves did, and how they were treated. We will also investigate how slave ownership affected values and attitudes. What, for example, was its impact

on family life and sexual behaviour? This course may be credited towards History.

CLAS 3317 Selected Readings in Roman Literature in Translation

Prerequisite: No prerequisite.

Antirequisite: CLAS 3106 and CLAS 3107

Hours: Three hours of lecture per week for one term.

Credits: 3

This course will be a detailed study of a selected Roman author or literary genre, in translation. The authors read will vary from year to year and will be selected in accordance with interests of the students and the interests and expertise of the instructor.

CLAS 3326 Greek Drama and Theatre

Prerequisite: No prerequisite.

Antirequisite: CLAS 2107 and CLAS 2705

Hours: Three hours of lecture per week for one term.

Credits: 3

This course is an intensive examination of ancient Greek Drama. Students will read a wide variety of Greek dramatic authors including the tragedies Aeschylus, Euripides, and Sophocles, select satyr plays, and Old Comedy by Aristophanes. Each author will be studied in their appropriate social and political contexts and attention will also be paid to the origins, evolution, staging and logistics of dramatic productions in ancient Greece. This course may be credited toward English Studies (Group 1).

CLAS 3327 Roman Comedy

Prerequisite: No prerequisite.

Antirequisite: CLAS 2705

Hours: Three hours of lecture per week for one term.

Credits: 3

This course is an intensive study of comedy in ancient Rome. The students will read the Roman comedies of Plautus and Terrence and will explore the connections between Roman comedy and the Greek new comedy of Menander. Attention will be paid to such topics as the social context of Roman comedy and the logistics and staging of comic dramatic productions in ancient Rome. This course may be credited toward English Studies (Group 1).

CLAS 3416 Selected Topics in Greek History and Culture

Prerequisite: No prerequisite.

Hours: Three hours of lecture per week for one term.

Credits: 3

This course is an intensive examination of a specific topic in the social or cultural history of Ancient Greece not covered in other 3000 level courses chosen in conjunction with the interests of both students and faculty. Such topics might include but will not be limited to the origins and evolution of democracy in Greece, Greek science and medicine, the life and career of Alexander the Great, the Hellenistic monarchies, or the origins and evolution of Pan-Hellenism to name a few. The selected topics will vary from year to year. This course may be credited towards History.

CLAS 3417 Selected Topics in Roman History and Culture

Prerequisite: No prerequisite.

Hours: Three hours of lecture per week for one term.

Credits: 3

This focuses on a specific topic in the social and cultural history of ancient Rome not covered in other 3000 level courses and chosen in conjunction with the interests of faculty and students. Such topics might include but will not be limited to the Roman Revolution,

Roman imperialism, Rome's interaction with barbarians, Roman spectacle and gladiatorial games, or Roman science and technology. The selected topics will vary from year to year. This course may be credited towards History.

CLAS 3505 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

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.

CLAS 4106 Advanced Readings in Latin Prose Authors

Prerequisite: CLAS 3116 or CLAS 3117

Antirequisite: CLAS 4105

Hours: Three hours of lecture/seminar per week for one term.

Credits: 3

In this course the student will conduct an intensive reading and analysis of the work of a specific author of Latin prose chosen in conjunction with the interests of the student in consultation with the professor. Attention will be paid to the unique style and literary qualities and to the biographical and social background of the chosen author. The course is intended to refine the student's ability to read Latin and to provide the student with a comprehensive knowledge of their chosen author and the context in which the work was produced.

CLAS 4107 Advanced Readings in Latin Poetry

Prerequisite: CLAS 3117

Antirequisite: CLAS 4105

Hours: Three hours of lecture/seminar per week for one term.

Credits: 3

In this course the student will conduct an intensive reading and analysis of the work of a specific Latin poet chosen in conjunction with interests of the student in consultation with the professor. Attention will be paid to the unique style and literary qualities and to the biographical and social background of the chosen author. The course is intended to refine the student's ability to read Latin verse and to provide the student with a comprehensive knowledge of their chosen author and the context in which the work was produced.

CLAS 4417 Selected Topics in Roman History and Culture

Prerequisite: CLAS 1007 plus three additional CLAS upper-level credits.

Hours: Three hours of lecture per week for one term.

Credits: 3

This course which is taught together with CLAS 3417 focuses on a specific topic in the social and cultural history of ancient Rome not covered in other 3000 level courses and chosen in conjunction with the interests of faculty and students. Such topics might include but will not be limited to the Roman Revolution, Roman imperialism, Rome's interaction with barbarians, Roman spectacle and gladiatorial games, or Roman science and technology. The selected topics will vary from year to year. Students enrolled in 4417 must submit a research proposal on a related topic and are required to enrol in CLAS 4427 where they will be expected to complete a major research project related to the selected topic.

CLAS 4427 Honours Seminar in History and Culture

Prerequisite: CLAS 4416 or CLAS 4417

Hours: Three hours of lecture per week for one term.

Credits: 3

This course is open only to students who have completed CLAS 4416 or 4417. The student in consultation with a faculty member will choose a specific topic related to the material covered in CLAS 4416 or 4417 in the previous term and produce a major research paper on their selected topic. The student and the supervising faculty member will meet regularly to discuss the student's progress and to provide the student with appropriate guidance and support in pursuit of his/her research project. The student will be introduced to standard research practices and methodologies and will be expected to incorporate these into his/her final research paper.

CLAS 4495 Directed Studies/Research Project

Prerequisite: Open to upper year students with permission from the instructor.

Hours: Individually supervised.

Credits: 6

CLAS 4495 is intended for students who are unable to have their research interests accommodated by the topics covered in either CLAS 4416 or CLAS 4417. The student will, in conjunction with a selected faculty member, decide on a research topic and the instructor will design a comprehensive reading list on the student's topic. In the first term the student and the instructor will meet regularly to discuss the assigned material and at the end of the first term the student must submit a research proposal on their selected topic. In the second term the student is expected to produce a major research paper based upon their proposal. During the second term the student and the instructor will meet regularly to discuss the student's progress and to provide the student with appropriate guidance and support in pursuit of their research project. The student will be introduced to standard research practices and methodologies and will be expected to incorporate these into the final research paper.

Computer Science Courses

COSC 1557 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

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.

COSC 1567 Programming in C++

Prerequisite: COSC 1557

Antirequisite: COSC 2557

Hours: Three hours of lecture and one hour of laboratory work per week for one term.

Credits: 3

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.

COSC 1666 Engineering Graphics

Prerequisite: No prerequisite.

Hours: Two hours of lecture and one hour of laboratory work per week for one term.

Credits: 3

This course introduces engineering graphics, design, and engineering communication. In addition to a theoretical foundation, students will gain practical, project-based experience using industry-standard software. Topics include drafting, descriptive geometry, projections, drawing techniques, dimensioning and annotation, solid modeling, and visualization in engineering applications

COSC 1757 Digital Systems

Prerequisite: MATH 1056

Antirequisite: COSC 2307

Hours: Three hours of lecture per week for one term.

Credits: 3

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.

COSC 1901 Computer Applications for Digital Scholarship

Prerequisite: No prerequisite.

Restrictions: This course may not be credited towards an Honours Specialization, Specialization, Major or Minor in Computer Science.

Hours: Three hours per week for one term.

Credits: 3

This course examines core concepts and applications for digital scholarship. A primary focus is the creation of easily distributed, text-based digital resources. Context for such distribution is the Web, thus students are required to design and code suitable, standards-based documents using X/HTML and CSS. Extracting information from data will be explored through a number of important concepts in structured problem solving, database management and programming.

COSC 1902 Scripting Applications for Digital Scholarship

Prerequisite: COSC 1901

Restrictions: This course may not be credited towards an Honours Specialization, Specialization, Major or Minor in Computer Science.

Hours: Three hours per week for one term.

Credits: 3

A logical extension of COSC 1901 is the addition of website functionality through scripting. To this end, students acquire a useful set of skills by learning to program with JavaScript. Topics include program structure, data types, sequential, conditional and iterative constructs as well as coding, testing and debugging. Application of these skills are accomplished, in part, by creating simple web applications.

COSC 2006 Data Structures I

Prerequisite: COSC 1567 and MATH 1056

Hours: Three hours of lecture per week for one term.

Credits: 3

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.

COSC 2007 Data Structures II

Prerequisite: COSC 2006

Hours: Three hours of lecture per week for one term.

Credits: 3

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.

COSC 2106 Machine Structures I

Prerequisite: COSC 1557 and MATH 1056

Hours: Three hours of lecture per week for one term.

Credits: 3

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.

COSC 2107 Machine Structures II

Prerequisite: COSC 2106

Hours: Three hours of lecture per week for one term.

Credits: 3

This course is the continuation of COSC 2106. Topics include: microprogrammed control, assembly language programming techniques, macroassemblers, conditional assembly, and practical applications of assembly language programming.

COSC 2116 Artificial Neural Networks

Prerequisite: COSC 1557 and MATH 1056

Hours: Three hours of lecture per week for one term.

Credits: 3

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.

COSC 2206 Mathematical Computation

Prerequisite: COSC 1557 and MATH 1037

Hours: Three hours of lecture per week for one term.

Credits: 3

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 non-linear systems; and several other practical applications. This course may be credited towards Mathematics.

COSC 2216 Introduction to Computational Geometry

Prerequisite: COSC 1557 and MATH 1036

Antirequisite: MATH 2216

Hours: Three hours of lecture per week for one term.

Credits: 3

The course is an introduction to a broad field of computational geometry. It begins with introduction of the concept of an algorithm, its complexity, data structures, and some implementation methods. Next, a number of classical problems, originated from practice will be discussed. In particular, motivating examples will be presented to familiarize students with various applications of computational geometry, including geography (GIS), engineering (CAD/CAE), game design, robotics, graphics, and simulation. Several algorithms dealing with problems in Euclidean plane, such as convex hull, segment intersection, and triangulation algorithms, will be considered in details. The course involves extensive use of computer software. Students taking this course are expected to have basic computer skills.

COSC 2406 Introduction to Game Design and Development

Prerequisite: COSC 1557 and COSC 1567

Hours: Three hours of lecture and lab per week for one term.

Credits 3

This course introduces the fundamental issues in computer game design, development, interfaces, and programming. Important aspects of game design, including game balance and level design, storytelling and narrative, basic game architecture, graphical representation of scenes, user interaction, game hardware and consoles, and game development toolkits will be presented.

COSC 2667 Operating Systems I

Prerequisite: COSC 2006

Antirequisite: COSC 1657

Hours: Three hours of lecture per week for one term.

Credits: 3

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.

COSC 2767 Object-Oriented Programming

Prerequisite: COSC 1567

Antirequisite: COSC 3557

Hours: Three hours of lecture per week for one term.

Credits: 3

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.

COSC 3006 Numerical Methods I

Prerequisite: COSC 1557 and MATH 2036

Hours: Three hours of lecture and one hour of lab/tutorial per week for one term.

Credits: 3

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.

COSC 3007 Artificial Intelligence

Prerequisite: COSC 1567, MATH 1037 and MATH 1056
Hours: Three hours of lecture per week for one term.
Credits: 3

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 3017 Introduction to Robotics

Prerequisite: COSC 2767 and MATH 2036
Hours: Three hours of lecture and laboratory work per week for one term.
Credits: 3

This course introduces the basic concepts and components of robotics. The hardware of robot manipulators and mobile robots and the resulting theoretical background will be discussed. The concept of environmental feedback and sensors necessary for the robots, including intelligent ones, will also be discussed. Some mobile robotics concepts will be introduced, including: path planning, localization, obstruction avoidance and mapping, and SLAM problems. The elements of robotic vision will also be introduced.

COSC 3206 Theory of Computation

Prerequisite: COSC 2006
Hours: Three hours of lecture per week for one term.
Credits: 3

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.

COSC 3207 Computer Graphics

Prerequisite: COSC 1557, MATH 1037 and MATH 1056
Hours: Three hours of lecture per week for one term.
Credits: 3

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; 2D and 3D graphics software; object transformations, fractal construction and animation software.

COSC 3216 Advanced Computational Geometry

Prerequisite: COSC 2206, COSC 2216, MATH 2046 and MATH 2056
Antirequisite: MATH 3216
Hours: Three hours of lecture per week for one term.
Credits: 3

The main focus of the course is on the design and implementation of efficient algorithms for solving various geometric problems. Most of algorithms considered deal with either plane or

3-dimensional space. Topics include convex hulls, triangulations, Voronoi diagrams, robot motion planning, and geometric data structures. Computational complexity and (in some cases) optimality is discussed for each algorithm. Randomized algorithms are also considered. Rigorous mathematical proofs are an important ingredient of the exposition. Applications of computational geometry comprise one of the course objectives. Students will be expected to implement some of the algorithms in the form of a course project.

COSC 3306 Programming Paradigms

Prerequisite: COSC 2006 and COSC 2106
Hours: Three hours of lecture per week for one term.
Credits: 3

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.

COSC 3307 3D Computer Graphics

Prerequisite: COSC 3207
Hours: Three hours of lecture and one hour of laboratory work per week for one term.
Credits: 3

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.

COSC 3406 Advanced Game Design and Development

Prerequisite: COSC 2406 and third year standing in Computer Science or Mathematics programs
Hours: Three hours of lecture and lab per week for one term.
Credits: 3

This course presents a rigorous approach to the design and development of computer games, emphasizing the computational and programming tasks involved. Students will learn the basics of physics simulation, graphics, audio, 2D/3D art, and software engineering, as applied to game development. Topics such as the game engine, sound, rendering, modeling, and user interfaces will also be explored. Knowledge of these topics will be applied to the development of game-oriented projects. This is primarily a hands-on course where real-world skills, including design, teamwork, management, documentation, and effective communication are critical.

COSC 3407 Systems Control

Prerequisite: COSC 1567, MATH 1037 and MATH 1056
Hours: Three hours of lecture and laboratory work per week for one term.
Credits: 3

This course introduces the analysis of control systems and its hardware, ranging from electrical, mechanical, and gas to liquid flow elements. The techniques of control theory such as Bode diagrams and Nyquist plots, rootlocus are discussed as well as stability of the systems in the frequency domains and state-space. P, PI and PID controllers are designed. The s - and z - transforms are introduced.

COSC 3606 Databases & Data Management

Prerequisite: COSC 1567
Hours: Three hours of lecture per week for one term.
Credits: 3

Introduction to database systems and management of large collections of data. Methods used for storage, selection, presentation and retrieval of data. Theory and analysis of relational, hierarchical and other database models. The design of database management systems.

COSC 3657 Distributed Systems

Prerequisite: COSC 2667 and COSC 2767

Antirequisite: COSC 2657, COSC 3656

Hours: Two hours of lecture and two hours of laboratory work per week for one term.

Credits: 3

Introduction to computer networks and computer systems interconnected by networks, including both the hardware and software of selected LANs and WANs. The issues of reliable and secure communication, layered models, distributed file systems, and concurrency will be discussed.

COSC 3706 The Computing Profession

Prerequisite: No prerequisite.

Hours: Three hours of lecture per week for one term.

Credits: 3

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 3806 Service Computing

Prerequisite: COSC 2767

Hours: Three hours of lecture per week for one term.

Credits: 3

This course introduces the fundamental concepts and applications of service computing. Service computing, as a new cross discipline, addresses how to enable Information Technology (IT) to help people perform business processes more efficiently and effectively. This course gives students insight and experience in key issues of service computing.

COSC 3807 Project Management

Prerequisite: Completion of the second year core courses in a Computer Science major.

Antirequisite: TMGT 2807

Hours: Three hours of lecture per week for one term.

Credits: 3

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 3997 Senior Practicum

Prerequisite: Completion of at least 24 credits in Computer Science. As departmental approval is required prior to registration, all students required or wishing to take this course during the following spring/summer or fall/winter session must apply to the department no later than February 15.

Antirequisite: STEC 3997

Credits: 3

In this course, the senior student works on an approved project, either while placed in a business enterprise/organization or supervised by a faculty member on campus. Projects may range from practical/experiential to theoretical, and the student is expected

to successfully integrate theory and skills learned in the program. Evaluation of the student's final report and presentation is on a pass/fail basis.

COSC 4106 Human Computer Interaction

Prerequisite: COSC 2767 and COSC 3657

Hours: Three hours of lecture per week for one term.

Credits: 3

This course introduces the interactions between people and computers. It provides insight and experience into key issues of HCI design, and samples different HCI-related areas. In class, students learn about and discuss issues and tradeoffs in interaction design, and invent and evaluate alternative solutions to design problems. Topics include usability and affordances, direct manipulation, systematic design methods, user conceptual models and interface metaphors, design languages and genres, human cognitive models, physical ergonomics, information and interactivity structures, and design tools and environments.

COSC 4107 Interfacing and Communication

Prerequisite: COSC 3657

Hours: Three hours of lecture per week for one term.

Credits: 3

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.

COSC 4127 Real-time Programming

Prerequisite: COSC 2106

Hours: Three hours of lecture and one hour of laboratory per week for one term.

Credits: 3

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 4206 Topics in Computer 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

This course provides advanced coverage of particular topics in Computer Science. The content varies according to the specialization of the faculty teaching the course.

COSC 4207 Seminars in Computer 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

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.

COSC 4406 Software Engineering

Prerequisite: COSC 2767 (formerly COSC 3557)

Hours: Three hours of lecture and one hour of laboratory per week for one term.

Credits: 3

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, antidebugging.

COSC 4607 Security and Protection

Prerequisite: COSC 2106 and COSC 2667 (formerly COSC 1657)

Hours: Three hours of lecture per week for one term.

Credits: 3

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 4896 Honours Research I

Prerequisite: Restricted to Honours computer science students.

As departmental approval is required prior to registration, all students wishing to take this course during the following spring/summer or fall/winter session must apply to the department no later than February 15.

Credits: 3

An individualized studies course in which a senior student conducts research in a topic not specifically covered in other courses, under the supervision of a faculty member with expertise in that area. Each student will be required to make oral presentations on their work to faculty and students at several seminar sessions held for this purpose, and to submit a final report, written in the format of a journal article.

COSC 4897 Honours Research II

Prerequisite: Restricted to Honours computer science students.

As departmental approval is required prior to registration, all students wishing to take this course during the following spring/summer or fall/winter session must apply to the department no later than February 15.

Credits: 3

An individualized studies course in which a senior student conducts research in a topic not specifically covered in other courses, under the supervision of a faculty member with expertise in that area. Each student will be required to make oral presentations on their work to faculty and students at several seminar sessions held for this purpose, and to submit a final report, written in the format of a journal article.

COSC 4997 Honours Practicum

Prerequisite: Completion of at least 36 credits in Computer Science. As departmental approval is required prior to registration, all students wishing to take this course during the following spring/summer or fall/winter session must apply to the department no later than February 15.

Antirequisite: STEC 4997

Credits: 3

In this course, the honours student works on an approved project, either while placed in a business enterprise/organization or supervised by a faculty member on campus. Projects may range from

practical/experiential to theoretical, and the student is expected to successfully integrate theory and skills learned in the program. Evaluation of the student's final report and presentation is on a pass/fail basis.

Criminal Justice Courses

CRJS 1087 Introduction to the Canadian Criminal Justice System

Prerequisite: No prerequisite.

Antirequisite: SOCI 2087

Hours: Three hours of lecture per week for one term.

Credits: 3

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. The evaluation of programs to reduce crime and rehabilitate offenders receives special attention.

CRJS 1206 An Introduction to Canadian Law

Prerequisite: No prerequisite.

Antirequisite: CRJS 2206 and JURI 2206

Hours: Three hours of lecture per week for one term.

Credits: 3

This course offers students a basic understanding of the workings of the Canadian legal system through an examination of its origins, with emphasis on British common law traditions, our adversarial trial system and how it compares to the inquisitorial system employed in other western democracies. We examine particular areas of public substantive law, including criminal, constitutional, family and tort law. Students learn about the connection between law and politics, how law evolves along with changing public attitudes and how the law impacts on their everyday lives.

CRJS 2086 Introduction to Criminological Theory

Prerequisite: SOCI 1016 and SOCI 1017; or SOCI 1015

Antirequisite: SOCI 2086

Hours: Three hours of lecture per week for one term.

Credits: 3

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 analyzed and evaluated.

CRJS 2106 Psychology and Law

Prerequisite: PSYC 1106 and PSYC 1107

Antirequisite: Students may not be registered in, or have credit for CRJS 3106.

Hours: Three hours of lecture per week for one term.

Credits: 3

This course will provide students with an introduction to Psychology and Law. The course will include an examination of psychological applications to criminal procedure. In addition, students will be introduced to concepts central to forensic clinical psychology and forensic civil psychology. Topics covered in this course may include police investigation, jury selection, fitness to stand trial, civil commitment and civil competence.

CRJS 2216 Civil Law and Civil Procedure

Prerequisite: CRJS 1206

Hours: Three hours of lecture per week for one term.

Credits: 3

This course examines the development and application of the civil law system in Canada, including the civil process procedure, the roles of attorneys, courts and alternative dispute resolution mechanisms.

CRJS 2926 An Introduction to Forensic Science

Restrictions: Restricted to students in the Honours Criminal Justice program.

Hours: Three hours of lecture per week for one term.

Credits: 3

This course will be an overview of the concepts and techniques used in forensic science. Topics that will be discussed include, but not limited to: the history of forensic science, crime scene processing, forensic anthropology, forensic odontology, forensic pathology, the microscope, hairs, fibers, paint, drugs, forensic toxicology, serology, DNA, fingerprints, firearms, tool marks and other impressions, document and voice examination, blood stain pattern analysis, wildlife forensics, forensic entomology, forensic botany, and taphonomy.

CRJS 3086 Law and Society

Prerequisite: SOCI 1016; or SOCI 1015

Antirequisite: SOCI 3085, SOCI 3086

Hours: Three hours of lecture per week for one term.

Credits: 3

This course investigates the socio-historical origins of law, and the development of the Canadian legal system. Sociological theories of law and the functions of law in society are examined in depth. The empirical methods that sociologists use to study law are surveyed. How and why laws are made, and the organization and administration of law, both public and private, are examined, and the role of law as both an agent of social change and as a response to social change is analyzed. This course may be credited towards Sociology.

CRJS 3087 Society, Law and Social Change

Prerequisite: CRJS 3086

Antirequisite: SOCI 3085, SOCI 3087

Hours: Three hours of lecture per week for one term.

Credits: 3

This course continues the examination of the development and role of law as both an agent of social change and as a response to social change. Key issues in the sociology of law and the social change/development process are examined, including law and the modern family, the changing status and role of women in law, First Nations peoples, personal privacy, growth of administrative law, electronic transmissions and the law, tort law and national security are examined in depth. The course focuses on Canadian law and examples. This course may be credited towards Sociology.

CRJS 3106 Forensic Psychology I

Prerequisite: PSYC 1106 and PSYC 1107

Restrictions: It is strongly recommended that students have PSYC 2126 and PSYC 2127 or SOCI 2126 and SOCI 2127 prior to taking CRJS 3106.

Antirequisite: SOCI 4295 if taken in 2003-2004 and PSYC 3635 and PSYC 3636

Hours: Three hours of lecture per week for one term.

Credits: 3

An examination of the psychology of criminal conduct and the criminal justice system in Canada will be undertaken. The course will include definition and measurement of crime, evaluation of various theoretical perspectives, and prediction and classification of offenders. Particular emphasis will be placed on how theory and research drive assessment of risk. This course may be credited toward Psychology.

CRJS 3107 Forensic Psychology II

Prerequisite: CRJS 3106

Restrictions: It is strongly recommended that students have PSYC 2126 and PSYC 2127 or SOCI 2126 and SOCI 2127 prior to taking CRJS 3106.

Antirequisite: SOCI 4295 if taken in 2003-2004 and PSYC 3635 and PSYC 3636

Hours: Three hours of lecture per week for one term.

Credits: 3

This course will begin with an examination and evaluation of aspects of prevention and rehabilitation in the criminal justice system in Canada. In addition, specific groups of those in conflict with the law will be studied in order to highlight the heterogeneity of offenders. Topics of particular contemporary interest in the field (such as eyewitness testimony, self-injury and suicide, or alcohol and drug abuse) will be covered. This course may be credited toward Psychology.

CRJS 3206 Canadian Criminal Law and Criminal Proceedings

Prerequisite: CRJS 1206

Hours: Three hours of lecture per week for one term.

Credits: 3

This course examines the historical development of the criminal law in Canada and its present-day application to criminal suspects and to persons accused and convicted of crimes. Students are introduced to the Criminal Code and to other related statutes in an examination of areas of both substantive and procedural criminal law. The application of the Charter of Rights and Freedoms and its impact on the rights of accused persons, police powers and the changing role of the judiciary in Canadian criminal law is also examined.

CRJS 3336 Women and the Criminal Justice System

Prerequisite: CRJS 1087 and CRJS 2086

Antirequisite: SOCI 3927 if taken in 2003-2004.

Hours: Three hours of lecture per week for one term.

Credits: 3

The focus of this course will be on women who are in conflict with the law. Issues related to female offenders will be examined. Topics such as substance abuse, suicide, and self-injurious behaviour will be studied. In addition, some consideration to issues faced by women working within the criminal justice system, as well as those who are victims of crime will be included. This course may be credited toward Gender Equality and Social Justice and Sociology.

CRJS 3406 Serial and Mass Murder I

Prerequisite: CRJS 1087 and CRJS 2086

Antirequisite: CRJS 3926 if taken prior to Fall 2009 and SOCI 3926

Hours: Three hours of lecture per week for one term.

Credits: 3

This course will be dedicated to assisting students to become "culturally literate" in the academic discipline of multiple murder and

violent criminal behaviour. Examples of topics to be covered may include, but will not be limited to the following: the terminology found in the discipline of multiple murder; the individuals that made early important contributions to the study of multiple murder, the science and art of profiling, and the typology of serial murderers. This course may be credited towards Sociology.

CRJS 3407 Serial and Mass Murder II

Prerequisite: CRJS 1087 and CRJS 2086

Antirequisite: CRJS 3927 if taken prior to Winter 2009 and SOCI 3927

Hours: Three hours of lecture per week for one term.

Credits: 3

This course will examine the categories of serial murderers such as healthcare serial killers and team serial killers, as well as categories based on race and gender. The course will examine serial murder from a global perspective. This course may be credited towards Sociology.

CRJS 3416 Aboriginal Legal Studies

Prerequisite: CRJS 1206

Antirequisite: SOCI 3307 if taken between 2004–2008

Hours: Three hours of lecture per week for one term.

Credits: 3

This course is designed to introduce the students to a broad range of topics pertaining to aboriginal persons in Canada. The focus is a historical and legal review of the status of First Nations Peoples in Canada. The Reserve System, Legislation such as the Indian Act, Self Governance, Civil Law suits and Land Claims are important historically and presently in that the issues have still not been adequately resolved in the eyes of many Canadian citizens. Furthermore, the sociological impact and implications of some of these issues, such as discrimination, abuse and alcoholism will be examined as they have arisen, often in relation to, or in response to, the aforementioned legal issues.

CRJS 3926 Selected Topics in Criminal Justice I

Prerequisite: CRJS 1087 and CRJS 2086

Antirequisite: SOCI 3926

Hours: Three hours of lecture per week for one term.

Credits: 3

This course will provide in-depth coverage of particular topics in criminology and criminal justice. The content varies according to the specialization of the faculty teaching the course. This course may be credited toward Sociology.

CRJS 3927 Selected Topics in Criminal Justice II

Prerequisite: CRJS 1087 and CRJS 2086

Antirequisite: SOCI 3927

Hours: Three hours of lecture per week for one term.

Credits: 3

This course will provide in-depth coverage of particular topics in criminology and criminal justice. The content varies according to the specialization of the faculty teaching the course. This course may be credited toward Sociology.

CRJS 3936 Youth in Conflict with the Law

Prerequisite: CRJS 1087, CRJS 1206 and CRJS 2086

Hours: Three hours of lecture per week for one term.

Credits: 3

This course will provide students with an in-depth knowledge of the theories, relevant law and current system practices regarding young persons who come into conflict with the Canadian legal

system. Topics covered in the course will include the development and history of young offender legislation in Canada; the extent of youth crime; theories of juvenile delinquency and criminality; the Youth Criminal Justice Act and other relevant legislation; and alternatives to criminal processing of youth who come into conflict with the law.

CRJS 4105 Honours Thesis

Prerequisite: Restricted to students in the fourth year of the Honours Criminal Justice program who have attained an overall 75% average. 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

This course offers students (especially those in the Criminology Stream) an opportunity to research and write an honours thesis. Students will be expected to research an issue or problem in the Criminal Justice field. This project will be carried out in consultation and under the supervision of an instructor in the Criminal Justice program.

CRJS 4305 Research Project in Criminal Justice

Prerequisite: Restricted to students in fourth year of the Honours program, and approval of 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.

Antirequisite: SOCI 4095

Credits: 6

To fulfill the requirements of this course, the students must complete and report on a research project in criminal justice. Various forms of research, including surveys, experiments and quasi-experiments, evaluation research, interviews, secondary analysis of data, interviews, etc. may be proposed. The work is to be carried out under the supervision of a member of the discipline and may involve a public presentation of the findings.

CRJS 4346 Field Placement

Prerequisite: CRJS 1087 and CRJS 2086

Restrictions: Restricted to students in the fourth year of the Honours program.

Antirequisite: SOCI 4346

Hours: A total of 96 hours of placement.

Credits: 3

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. This is a mastery course which will be graded on a pass/fail basis.

CRJS 4347 Applied Criminological Theory

Prerequisite: CRJS 1087 and CRJS 2086

Antirequisite: CRJS 4467

Hours: Three hours of lecture per week for one term.

Credits: 3

In this course students will have the opportunity to examine the application of criminological theories to specific areas of the criminal justice system. This will be accomplished through contributions and practical examples offered by faculty as well as experts in the field.

CRJS 4466 Program and Policy Evaluation

Prerequisite: CRJS 1087, CRJS 2086, SOCI 2126 and SOCI 2127.

Antirequisite: SOCI 4466

Hours: Three hours of lecture per week for one term.

Credits: 3

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. This course may be credited toward Sociology.

CRJS 4467 Advanced Criminological Theories

Prerequisite: CRJS 1087 and CRJS 2086

Antirequisite: SOCI 4467, CRJS 4347

Hours: Three hours of lecture per week for one term.

Credits: 3

This course will build on the introductory material covered in CRJS 2086/SOCI 2086. 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.

CRJS 4476 Senior Seminar in Criminal Justice

Prerequisite: CRJS 1087 and CRJS 2086

Antirequisite: SOCI 4295 (only if taken in 2001-2002) and SOCI 4476

Credits: 3

This course will build on the introductory material covered in CRJS 1087. 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.

CRJS 4916 Policing and Society

Prerequisite: CRJS 1087, CRJS 1206 and CRJS 2086

Antirequisite: SOCI 4926 if taken prior to 2007-2008.

Hours: Three hours of lecture per week for one term.

Credits: 3

The course offers students the opportunity to examine in detail contemporary issues in policing, including the organization and administration of police services, organizational change, civilian oversight of police, police use of force, the changing role of women in policing, diversity in policing, the growth of 'computerized' policing, and other topics.

CRJS 4917 Criminal Investigation

Prerequisite: CRJS 1087, CRJS 1206 and CRJS 2086

Antirequisite: SOCI 4927 if taken prior to 2007-2008.

Hours: Three hours of lecture per week for one term.

Credits: 3

This course offers students the opportunity to examine in depth topics related to the legal and methodological principles of criminal investigation, including the scientific validity of criminal investigation methodology, the collection, verification and validity of different evidence types, problems in objectivity and investigation, use of computer techniques in investigation, principles of case management, as well as other topics.

CRJS 4926 Advanced Topics in Criminal Justice I

Prerequisite: CRJS 1087 and CRJS 2086

Hours: Three hours of lecture per week for one term.

Credits: 3

This course will provide in-depth coverage of advanced-level topics in the field of criminal justice. The content varies according to the specialization of the faculty teaching the course. This course may be credited toward Sociology.

CRJS 4927 Advanced Topics in Criminal Justice II

Prerequisite: CRJS 1087 and CRJS 2086

Hours: Three hours of lecture per week for one term.

Credits: 3

This course will provide in-depth coverage of advanced-level topics in the field of criminal justice. The content varies according to the specialization of the faculty teaching the course. This course may be credited toward Sociology.

CRJS 4937 Honours Seminar in Professional Development

Prerequisite: Restricted to students in the fourth year of an honours Criminal Justice program.

Hours: Three hours of seminar per week for one term.

Credits: 3

This is a 'capstone' course for students graduating with a four year Honours Specialization in Criminal Justice. Students study a variety of topics on professional development in criminology and criminal justice. Students research and complete a project based on their area of professional interest.

Digital Humanities Courses

DIGI 2305 Introduction to Digital Culture

Prerequisite: Students must have completed 18 credits.

It is strongly recommended that students complete ACAD 1601 or ENGL 1106 prior to taking DIGI 2305.

Antirequisite: ENGL 2305

Hours: Three hours of lecture per week.

Credits: 6

Digital technologies are dramatically challenging and changing areas of study and engagement that are largely the province of the humanities, namely the ways in which we learn, build knowledge, share information, and communicate. This survey course will introduce students to interdisciplinary questions about the impact of digital capacity on theory and culture, tools and applications, and the digital world. This course provides a foundation for continued study in the interdisciplinary field of digital humanities. This course may be credited toward Computer Science. This course is cross-coded with English Studies (Group 2).

DIGI 2306 Introduction to Computing Technologies for the Digital Humanities

Prerequisite: COSC 1901 or permission of the instructor.

Hours: Two hours of lecture and one hour of laboratory work per week for one term.

Credits: 3

This course introduces the fundamental computing technologies that are used in the Digital Humanities, including web publishing, website development, and information management. Students will receive a practical introduction to the Internet, HTML, XML markup, multimedia authoring tools such as Adobe Flash, database management systems, scripting tools, and related technologies. In addition, common file formats, principles of imaging, document storage and retrieval, human-computer interaction, and terminologies will be presented. This course may be credited toward English Studies (Group 2) and Computer Science.

DIGI 3047 Topics in Digital Culture

Prerequisite: Six credits from the following: ENGL 2006, ENGL 2007, DIGI 2305, ENGL 2255, ENGL 2265, ENGL 2605

Antirequisite: ENGL 3047

Hours: Three hours of lecture per week for one term.

Credits: 3

Students examine a focused topic in digital culture. Specific content varies from year to year. Topics may include theories of digital culture; popular narratives about digital culture; or the impact of digital technologies on literature, culture, education, or identity. This course is cross-coded with English Studies (Group 2).

DIGI 4006 Project in Digital Humanities

Prerequisites: DIGI 2006 and DIGI 2305. 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

Project in Digital Humanities is a directed studies course. A student chooses an independent project in Digital Humanities according to his or her interests. S/he designs and completes the project under the supervision of an instructor from a Digital Humanities discipline. Projects include both theoretical and

practical components and the course serves as a practicum to complete the Digital Humanities certificate.

Economics Courses

ECON 1006 Introduction to Microeconomics

Prerequisite: No prerequisite.

Antirequisite: ECON 1005

Hours: Three hours of lecture per week for one term.

Credits: 3

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.

ECON 1007 Introduction to Macroeconomics

Prerequisite: No prerequisite.

Antirequisite: ECON 1005

Hours: Three hours of lecture per week for one term.

Credits: 3

The course examines the principles and methods of modern macroeconomics. Elementary macroeconomic topics including methodology of economic analysis, the overview of the price system, macroeconomic aggregates and their determination, simple equilibrium macroeconomic models, business cycles, fiscal and monetary policies, money and banking, inflation, unemployment, exchange rates, and balance of payments, are covered in the course.

ECON 1127 Introduction to Mathematics for Economists

Prerequisite: No prerequisite.

Antirequisite: ECON 2127, ADMN 1607

Hours: Three hours of lecture per week for one term.

Credits: 3

The course examines some basic mathematical principles and techniques and their application in economics. Topics include linear equations, systems of linear equations, mathematical functions, matrices, differential and integral calculus, optimization, mathematics of finance, linear programming, transportation models, and assignment models.

ECON 2006 Intermediate Microeconomic Theory

Prerequisite: ECON 1006

Antirequisite: ECON 2106

Hours: Three hours of lecture per week for one term.

Credits: 3

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.

ECON 2007 Labour Economics

Prerequisite: ECON 1006 and ECON 1007

Hours: Three hours of lecture per week for one term.

Credits: 3

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.

ECON 2016 Intermediate Macroeconomic Theory

Prerequisite: ECON 1007

Hours: Three hours of lecture per week for one term.

Credits: 3

The course examines the structure and performance of the Canadian economy. Topics include the market for goods and services, the money market, fiscal and monetary policies, balance of payments, exchange rate, analysis of internal and external equilibria, aggregate demand, aggregate supply, determination of general price level, and the determination of national income, in closed and open economies. Keynesian and Classical models are studied.

ECON 2017 Money, Banking and the Canadian Financial System

Prerequisite: ECON 1006 and ECON 1007

Hours: Three hours of lecture per week for one term.

Credits: 3

The course examines theories in economics and finance and their application in the Canadian Financial System. It also looks at basic theories in monetary economics and international finance and the impact of domestic and foreign monetary policies on the Canadian economy. Topics include Canadian financial institutions, financial intermediaries, financial instruments, interest rates, money demand, money supply, financial asset pricing, risk management, exchange rate, balance of payments, central banking and monetary policy, and international financial institutions.

ECON 2106 Managerial Economics

Prerequisite: ECON 1006

Antirequisite: ECON 2006

Hours: Three hours of lecture per week for one term.

Credits: 3

This course examines the central decision issues faced by managers and provides the economic analysis required to guide those decisions. Fundamentally, it is an application of economic theory to management problems using various methods including graphical, algebraic and statistical techniques as well as case studies. Topics include: demand, elasticity, production, cost, profits, supply, market structures, forecasting and financial planning.

ECON 2126 Elementary Statistical Methods for Economists

Prerequisite: ECON 1127

Restrictions: This is an introductory statistics courses. A student in a degree program cannot retain credit for more than nine credits of introductory statistics courses.

Antirequisite: ADMN 2606

Hours: Three hours of lecture per week for one term.

Credits: 3

The course examines some basic statistical theories, concepts, methods and techniques, and their application in economics. Topics include measures of central tendency and dispersion, probability theory, probability distributions, sampling, sampling distribution, estimation, hypothesis testing, correlation, and regression. The course also incorporates the use of a popular software package to generate statistical information for analysis and interpretation.

ECON 3066 Principles and Concepts of Economic Development

Prerequisite: ECON 1006 and ECON 1007

Antirequisite: ECON 3065

Hours: Three hours of lecture per week for one term.

Credits: 3

The course examines the concept and measurement of economic development and the theories of growth and development in the context of developing countries. Topics include the definition of economic development, characteristics of economic development, the evolution of development thoughts, and resources for economic development.

ECON 3067 Problems and Policies of Economic Development

Prerequisite: ECON 1006 and ECON 1007

Antirequisite: ECON 3065

Hours: Three hours of lecture per week for one term.

Credits: 3

The course examines domestic and international problems and policies in economic development. Topics include economic growth, poverty and income distribution, population, migration, urbanization, technology, agriculture and rural development, the environment, education, health, international trade and finance, foreign aid, private foreign investment, and the debt crisis.

ECON 3086 The Economics of Income and Wealth

Prerequisite: ECON 1006 and ECON 1007

Antirequisite: ECON 3085

Hours: Three hours of lecture per week for one term.

Credits: 3

This course examines the prevailing theories of income and wealth determination and presents information and evidence relating to those theories. Among the topics treated are: accuracy of income data, measures of poverty and inequality, measures of living standards, sources of wealth and wealth accumulation, issues and controversies relating to the above.

ECON 3087 Selected Canadian Economic Policy Issues

Prerequisite: ECON 1006 and ECON 1007

Antirequisite: ECON 3085

Hours: Three hours of lecture per week for one term.

Credits: 3

This course is a critical examination of a selection of current Canadian policy issues. Socialist and libertarian approaches to policy will be developed and used as platforms for the critical evaluation of policies at both the federal and provincial levels. Among the policy issues expected to be examined include: Health care, deregulation, social assistance, pensions, employment insurance and the environment.

ECON 3126 Introduction to Econometrics

Prerequisite: ECON 1006, ECON 1007, ECON 1127 or ADMN 1607, and ECON 2126 or ADMN 2606

Hours: Three hours of lecture per week for one term.

Credits: 3

The course examines the theory and empirical analysis of economic and financial models. Topics include specification and estimation of regression models, diagnostic analysis and interpretation of regression models, dummy variables, multi-collinearity, auto-correlation, heteroscedasticity, model specification and testing, time series analysis and simultaneous equations models. The course incorporates the use of an econometric software in estimating and

interpreting economic and financial models from economic and financial data sets.

ECON 3127 International Financial Management

Prerequisite: ECON 1006, ECON 1007 and ADMN 3116

Hours: Three hours of lecture per week for one term.

Credits: 3

The course applies theories in economics and finance to analyse problems and challenges that the international financial environment presents to financial managers. The management aspect of international financial corporations is emphasized. Topics include globalization and the multinational firm, the international monetary system, balance of payments, the market for exchange rates, international banking, equity markets, futures and options on foreign exchange, international portfolio management, foreign exchange management, foreign direct investment, international capital structure and the cost of capital, international capital budgeting, exports and imports, and international tax environment.

ECON 3226 International Economics

Prerequisite: ECON 1006 and ECON 1007

Hours: Three hours of lecture per week for one term.

Credits: 3

The course integrates economic theory and empirical evidence to analyse the operation of the international economy and the economic inter-dependence among nations. Topics include theories of international trade, exchange rate, balance of payments, the international financial markets, the international monetary system, international financial institutions and open economy macroeconomic policies. Canadian international economic policies and their impacts are discussed.

ECON 4005 Research Project in Economics

Prerequisites: ECON 1006, ECON 1007 and ECON 2126

Restricted to students in the fourth year of an honours program in Economics with a 70% average in Economics courses completed. Students wishing to take this course during the following Fall/Winter semester must apply in writing to the Chair of Political Science, Philosophy and Economics directly by February 15th.

Credits: 6

An individualized research project in which the student examines the related literature in the topic area and writes a major research paper. Preparatory assignments appropriate to the topic may be required.

ECON 4126 Special Topics in Economics I

Prerequisites: ECON 1006, ECON 1007 and ECON 2126

Restricted to students in the third or fourth year of an Honours program.

Hours: Three hours of seminar per week for one term.

Credits: 3

Topics may change from year to year. The specific topics are made available to students during registration in each semester of offering.

ECON 4127 Special Topics in Economics II

Prerequisites: ECON 1006, ECON 1007 and ECON 2126

Restricted to students in the third or fourth year of an Honours program.

Hours: Three hours of lecture per week for one term.

Credits: 3

Topics may change from year to year. The specific topics are available to students during registration in each semester of offering.

Education Courses (Concurrent and Consecutive)

Schulich School of Education

Students in any other undergraduate program may not register in the courses below.

Concurrent Courses Only

EDUC 1013 Observation and Practice Teaching I (Junior/Intermediate)

Credits: 1

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 ten days 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. In order to practice teach in Ontario schools, students must provide a clear criminal reference check.

EDUC 1123 Observation and Practice Teaching I (Primary/Junior)

Credits: 1

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 ten days 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. In order to practice teach in Ontario schools, students must provide a clear criminal reference check.

EDUC 2013 Observation and Practice Teaching II (Junior/Intermediate)

Prerequisite: EDUC 1013

Credits: 1

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 ten days 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. In order to practice teach in Ontario schools, students must provide a clear criminal reference check.

EDUC 2123 Observation and Practice Teaching II (Primary/Junior)

Prerequisite: EDUC 1123

Credits: 1

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 ten days 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. In order to practice teach in Ontario schools, students must provide a clear criminal reference check.

EDUC 3013 Observation and Practice Teaching III (Junior/Intermediate)

Prerequisite: EDUC 2013

Credits: 1

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 fifteen days 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. In order to practice teach in Ontario schools, students must provide a clear criminal reference check.

EDUC 3123 Observation and Practice Teaching III (Primary/Junior)

Prerequisite: EDUC 2123

Credits: 1

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 fifteen days 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. In order to practice teach in Ontario schools, students must provide a clear criminal reference check.

EDUC 4013 Observation and Practice Teaching IV (Junior/Intermediate)

Prerequisite: EDUC 3013

Credits: 1

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 fifteen days 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. In order to practice teach in Ontario schools, students must provide a clear criminal reference check.

EDUC 4023 Observation and Practice Teaching V (Junior/Intermediate)

Prerequisite: EDUC 4013

Antirequisite: EDUC 4694, EDUC 4696

Credits: 3

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. In order to practice teach in Ontario schools, students must provide a clear criminal reference check.

EDUC 4123 Observation and Practice Teaching IV (Primary/Junior)

Prerequisite: EDUC 3123

Credits: 1

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 fifteen days 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. In order to practice teach in Ontario schools, students must provide a clear criminal reference check.

EDUC 4133 Observation and Practice Teaching V (Primary/Junior)

Prerequisite: EDUC 4123

Antirequisite: EDUC 4684, EDUC 4686

Credits: 3

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. In order to practice teach in Ontario schools, students must provide a clear criminal reference check.

EDUC 4112 Language Arts I (Primary/Junior)

Hours: 36 hours

Credits: 3

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 4113 Language Arts II (Primary/Junior)

Prerequisite: EDUC 4112

Hours: 36 hours

Credits: 3

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 4116 Language Arts I (Junior/Intermediate)

Hours: 36 hours

Credits: 3

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 4117 Language Arts II (Junior/Intermediate)

Prerequisite: EDUC 4116

Hours: 36 hours

Credits: 3

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 4434 Curriculum Methods I (Primary/Junior)

Antirequisite: EDUC 4454, EDUC 4118, EDUC 4128, EDUC 4138

Hours: 36

Credits: 2.5

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 management strategies appropriate to the developmental needs of primary and junior grade learners, 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 4444 Curriculum Methods II (Primary/Junior)

Prerequisite: EDUC 4434

Antirequisite: EDUC 4454, EDUC 4118, EDUC 4128, EDUC 4138

Hours: 36

Credits: 2.5

This 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 management strategies appropriate to the developmental needs of primary and junior grade learners, 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 4474 Curriculum Methods I (Junior/Intermediate)

Antirequisite: EDUC 4464, EDUC 4218, EDUC 4228, EDUC 4238

Hours: 36

Credits: 2.5

This 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 personal, proactive plan for classroom management. The computer component provides an introduction to the roles of information technology in teaching and learning.

EDUC 4484 Curriculum Methods II (Junior/Intermediate)

Prerequisite: EDUC 4474

Antirequisite: EDUC 4464, EDUC 4218, EDUC 4228, EDUC 4238

Hours: 36

Credits: 2.5

This 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 personal, proactive plan for classroom management. The computer component provides an introduction to the roles of information technology in teaching and learning.

Consecutive and Concurrent Courses

EDUC 4102 Education and Schooling (Primary/Junior)

Hours: 36 hours

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 4103 Educational Psychology and Special Education (Primary/Junior)

Hours: 36 hours

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 to plan individual programs. The range of special education services typically available in school systems will be discussed.

EDUC 4114 Curriculum Studies I (Primary/Junior)

Antirequisite: EDUC 4112 and EDUC 4113

Hours: 66

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 4202 Education and Schooling (Junior/Intermediate)

Hours: 36

Credits: 3

Education and Schooling (Junior/Intermediate) is designed to enhance the knowledge, understanding, and skill of teacher-candidates in the areas of 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 4203 Education Psychology and Special Education (Junior/Intermediate)

Hours: 36

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 to plan individual programs. The range of special education services typically available in school systems will be discussed.

EDUC 4214 Curriculum Studies 1 (Junior/Intermediate)

Antirequisite: EDUC 4116 and EDUC 4117

Hours: 60

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 4244 Visual Arts (Primary/Junior)

Hours: 24

Credits: 1.5

A study of curriculum development in the Primary and Junior Division in visual arts. An introduction to art education with a focus on the interdependent relationships among contemporary art education, philosophy, psychology, methodology and art content; and studio activities which will provide first-hand experience with a variety of art materials, tools, processes and techniques pertinent to the classroom.

EDUC 4254 Music Education (Primary/Junior)

Hours: 24

Credits: 1.5

A study of curriculum development in the Primary and Junior Division in music education. A study of music curricula which promotes aesthetic development through experiences in singing, playing, listening, creating, moving and dramatizing; and an examination of systems which develop the skills of reading and writing the language of music.

EDUC 4264 Health and Physical Education (Primary/Junior)

Hours: 24

Credits: 1.5

A study of curriculum development in the Primary and Junior Division in health and physical education. An examination of curriculum components that constitute a balanced health and physical education program for children; participation in activities that promote growth in the four developmental channels of health and physical education; and an investigation of current approaches designed to meet individual needs of children.

EDUC 4274 Mathematics Education (Primary/Junior)

Hours: 36

Credits: 1.5

A rationale for curriculum design particular to mathematics; curriculum guidelines established by the Ontario Ministry of Education for the Primary and Junior divisions; and planning appropriate curriculum units. A study of the aims, scope, sequence and structure of the curriculum in mathematics at the Primary and Junior divisions. Mathematics – the underlying structures and unifying principles of mathematics; the development of basic mathematical concepts in students in the Primary and Junior divisions and an investigation of current approaches which link mathematical understanding to development in youth.

EDUC 4284 Science Education (Primary/Junior)

Hours: 24

Credits: 1.5

A rationale for curriculum design particular to science; curriculum guidelines established by the Ontario Ministry of Education for the Primary and Junior divisions; and planning appropriate curriculum units. A study of the aims, scope, sequence and structure of the curriculum in science at the Primary and Junior divisions. Science – the underlying structure and framework of principles and concepts of science and technology; the development of science processes and attitudes; and an investigation of current approaches and instructional strategies which link scientific understanding to child development.

EDUC 4294 Social Studies (Primary/Junior)

Hours: 24

Credits: 1.5

A rationale for curriculum design particular to social studies; curriculum guidelines established by the Ontario Ministry of Education for the Primary and Junior divisions; and planning appropriate curriculum units. A study of the aims, scope, sequence and structure of the curriculum in social studies at the Primary and Junior divisions. Social Studies – fundamental concepts and instructional strategies in Social Studies in the Primary and Junior divisions; development of an understanding of the relationship of earths' peoples with their social and physical environments in the

past and present; and promoting insights into the global community and its implications for the life of today's student.

EDUC 4306 Education and Schooling (Intermediate/Senior)

Hours: 36

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 4307 Educational Psychology and Special Education (Intermediate/Senior)

Hours: 36

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 to plan individual programs. The range of special education services typically available in school systems will be discussed.

EDUC 4308 Visual Arts (Junior/Intermediate)

Hours: 24

Credits: 1.5

A study of curriculum development in the Junior and Intermediate divisions in visual arts. An introduction to art education with a focus on the interdependent relationships among contemporary art education, philosophy, psychology, methodology and art content; and studio activities which will provide first-hand experience with a variety of art materials, tools, processes and techniques pertinent to the classroom.

EDUC 4314 Music Education (Junior/Intermediate)

Hours: 24

Credits: 1.5

A study of curriculum development in the Junior and Intermediate divisions in music education. A study of music curricula which promotes aesthetic development through experiences in singing, playing, listening, creating, moving and dramatizing; and an examination of systems which develop the skills of reading and writing the language of music.

EDUC 4315 Curriculum Methods (Intermediate/Senior)

Hours: 72

Credits: 5

This 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 4324 Health and Physical Education (Junior/Intermediate)

Hours: 24

Credits: 1.5

A study of curriculum development in the Junior and Intermediate divisions in health and physical education. An examination of curriculum components that constitute a balanced health and physical education program for children; participation in activities that promote growth in the four developmental channels of health and physical education; and an investigation of current approaches designed to meet individual needs of children.

EDUC 4325 Curriculum Development and Evaluation (Intermediate/Senior)

Hours: 72

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 4326 Business Studies, General (Intermediate)

Hours: 36

Credits: 3

The course explores curriculum and instruction in business for intermediate grades in secondary schools. Emphasis is on current issues and developments in business education, including information management, marketing and accounting.

EDUC 4327 Business Studies, General (Senior)

Hours: 36

Credits: 3

The course explores curriculum and instruction in business for senior grades. Emphasis is on current issues and developments in business education, including information management, marketing and accounting.

EDUC 4334 Mathematics Education (Junior/Intermediate)

Hours: 24
Credits: 1.5

A rationale for curriculum design particular to mathematics; curriculum guidelines established by the Ontario Ministry of Education for the Junior and Intermediate divisions; and planning appropriate curriculum units. A study of the aims, scope, sequence and structure of the curriculum in mathematics at the Junior and Intermediate divisions. Mathematics – the underlying structures and unifying principles of mathematics; the development of basic mathematical concepts in students in the Junior and Intermediate divisions and an investigation of current approaches which link mathematical understanding to development in youth.

EDUC 4344 Science Education (Junior/Intermediate)

Hours: 24
Credits: 1.5

A rationale for curriculum design particular to science; curriculum guidelines established by the Ontario Ministry of Education for the Junior and Intermediate divisions; and planning appropriate curriculum units. A study of the aims, scope, sequence and structure of the curriculum in science at the Junior and Intermediate divisions. 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.

EDUC 4354 Social Studies (Junior/Intermediate)

Hours: 24
Credits: 1.5

A rationale for curriculum design particular to social studies; curriculum guidelines established by the Ontario Ministry of Education for the Junior and Intermediate divisions; and planning appropriate curriculum units. A study of the aims, scope, sequence and structure of the curriculum in social studies at the Junior and Intermediate divisions. Social Studies – fundamental concepts and instructional strategies in Social Studies in the Junior and Intermediate divisions; development of an understanding of the relationship of earth's peoples with their social and physical environments in the past and present; and promoting insights into the global community and its implications for the life of today's pupil.

EDUC 4355 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 twelve 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. In order to practice teach in Ontario schools, students must provide a clear criminal reference check.

EDUC 4406 English (Intermediate)

Hours: 36
Credits: 3

A critical study of the aims, scope and sequence of the Intermediate Division curriculum in English; analysis of Ministry guidelines; practicum.

EDUC 4407 English (Senior)

Hours: 36
Credits: 3

A critical study of the aims, scope and sequence of the Senior Division curriculum in English; analysis of Ministry guidelines; practicum.

EDUC 4416 Computer Studies (Intermediate)

Hours: 36
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 4417 Computer Studies (Senior)

Hours: 36
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 4434 Curriculum Methods I (Primary/Junior)

Antirequisite: EDUC 4454, EDUC 4118, EDUC 4128, EDUC 4138
Hours: 36
Credits: 2.5

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 management strategies appropriate to the developmental needs of primary and junior grade learners, 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 4436 French as a Second Language (Intermediate)

Hours: 36
Credits: 3

A critical study of the aims, scope and sequence of the Intermediate Division curriculum in French; analysis of Ministry guidelines; practicum.

EDUC 4437 French as a Second Language (Senior)

Hours: 36
Credits: 3

A critical study of the aims, scope and sequence of the Senior division curriculum in French; analysis of Ministry guidelines; practicum.

EDUC 4446 Geography (Intermediate)

Hours: 36
Credits: 3

A critical study of the aims, scope and sequence of the Intermediate Division curriculum in Geography; analysis of Ministry guidelines; practicum.

EDUC 4447 Geography (Senior)

Hours: 36

Credits: 3

A critical study of the aims, scope and sequence of the Senior Division curriculum in Geography; analysis of Ministry guidelines; practicum.

EDUC 4454 Curriculum Methods (Primary/Junior)

Hours: 66

Credits: 5

This 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 their 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 4456 History (Intermediate)

Hours: 36

Credits: 3

A critical study of the aims, scope and sequence of the Intermediate Division curriculum in History; analysis of Ministry guidelines; practicum.

EDUC 4457 History (Senior)

Hours: 36

Credits: 3

A critical study of the aims, scope and sequence of the Senior Division curriculum in History; analysis of Ministry guidelines; practicum.

EDUC 4464 Curriculum Methods (Junior/Intermediate)

Hours: 60

Credits: 5

This 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 personal, proactive plan for classroom management. The computer component provides an introduction to the roles of information technology in teaching and learning.

EDUC 4466 Mathematics (Intermediate)

Hours: 36

Credits: 3

A critical study of the aims, scope and sequence of the Intermediate Division curriculum in Mathematics; analysis of Ministry guidelines; practicum.

EDUC 4467 Mathematics (Senior)

Hours: 36

Credits: 3

A critical study of the aims, scope and sequence of the Senior Division curriculum in Mathematics; analysis of Ministry guidelines; practicum.

EDUC 4476 Health and Physical Education (Intermediate)

Hours: 36

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 4477 Health and Physical Education (Senior)

Hours: 36

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 4486 Science I (Intermediate)

Hours: 36

Credits: 3

A critical study of the aims, scope and sequence of the Intermediate Division curriculum in Science; analysis of Ministry guidelines; practicum.

EDUC 4487 Science – Biology (Senior)

Hours: 36

Credits: 3

A critical study of the aims, scope and sequence of the Senior Division curriculum in Biology; analysis of Ministry guidelines; practicum.

EDUC 4496 Visual Arts (Intermediate)

Hours: 36

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 4497 Visual Arts (Senior)

Hours: 36

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 4506 Science – Physics (Senior)

Hours: 36

Credits: 3

A critical study of the aims, scope and sequence of the Senior Division curriculum in Physics; analysis of Ministry guidelines; practicum.

EDUC 4516 Music – Instrumental (Intermediate)

Hours: 36

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 4517 Music – Instrumental (Senior)

Hours: 36

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 4537 Science – Chemistry (Senior)

Hours: 36

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 4586 Religious Studies (Intermediate)

Hours: 36

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 4587 Religious Studies (Senior)

Hours: 36

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 4596 Science II (Intermediate)

Hours: 36

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.

EDUC 4684 Observation and Practice Teaching (Primary/Junior)

Antirequisite: EDUC 4133

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 twelve 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. In order to practice teach in Ontario schools, students must provide a clear criminal reference check.

EDUC 4694 Observation and Practice Teaching (Junior/Intermediate)

Antirequisite: EDUC 4023

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 twelve 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. In order to practice teach in Ontario schools, students must provide a clear criminal reference check.

Option Courses**EDUC 1526 Religious Education in the Roman Catholic Separate Schools**

Hours: 36

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.

EDUC 4683 Mental Health Issues in School Populations

Hours: 36

Credits: 3

This course is 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 4706 Kindergarten: Curriculum Theory and Practice

Hours: 36

Credits: 3

The context of the kindergarten classroom is unique. This course explores relevant learning theories, current research, policy changes and curriculum design for the kindergarten classroom. Teacher candidates will explore the ways in which families, members of the community, early childhood educators, and teachers interact during the education process to provide a strong foundation for students' intellectual, physical and social development. Curriculum expectations, methodology, essential elements and resources for Junior and Senior Kindergarten programs, will be examined from an integrated studies perspective. Primary/Junior students may be given preference over others for this course.

EDUC 4707 Music Education through Technology

Hours: 36

Credits: 3

This course will introduce students to basic music concepts through the use of MIDI technology. The primary goal is to provide students with the rudimentary skills necessary to teach music in the classroom. (Kindergarten to Grade 8)

EDUC 4806 English Language Learners (ELL/ESL)

Hours: 36
Credits: 3

Students are provided with background information about linguistic and cultural diversity and the immigrant experience. The goal is to provide an understanding of the supports that English language learners require in order to learn the language of instruction concurrent with curriculum content.

EDUC 4807 International Teaching

Hours: 36
Credits: 3

This course explores educational, political, social, economic, and cultural perspectives and issues in various international contexts. Alternative practice teaching placements are enriching experiences that provide students with opportunities to explore personal subjectivities and their developing world views. Although a natural extension of the course, an international placement is not required for successful completion of the course.

EDUC 4816 Application of Multimedia Technology in Education

Hours: 36
Credits: 3

This course is designed to give pre-service teachers of all technological skill levels an opportunity to develop an increased awareness of emerging multimedia technologies and their application in teaching and learning. Emphasis will be placed on experiential activities; enabling students to acquire skills required to apply multimedia technology in a school setting. Successful students will create a variety of multimedia projects relevant to their divisional focus.

EDUC 4826 Exclusion to Inclusion: Imagination and Creativity in the 21st Century Classroom

Hours: 36
Credits: 3

This course is a study of imagination and creativity development for K-12 learners. It is an introduction to alternative education with a focus on the interdependent relationships among philosophy, psychology, methodology, technology and education to inspire imaginative and creative teaching. The goal is to foster an attitude that values other ways of knowing, doing and expressing, and to challenge the teaching world taken-for-granted. The course will offer first-hand experience including a variety of imagination and creativity activities relevant to the classroom and to the practicum component.

EDUC 4916 Outdoor and Experiential Education

Hours: 36
Credits: 3

This is a course where pre-service teachers will participate in experiential based activities in an outdoor setting. Through integrating curriculum (grade K-10) and interdisciplinary studies (grade 11-12), the participants will examine the knowledge, skills and values necessary to develop and implement outdoor education programs. Pre-service teachers in this option course will be involved in planning, teaching and evaluating outdoor education activities. They will spend a minimum of two weekends in an outdoor environment, have classroom instruction and participate in reflective online discussions.

EDUC 4986 Education of Native Canadians

Hours: 36
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.

Graduate Courses**EDUC 5115 Research Paper**

Prerequisite: EDUC 5157
Credits: 6

An individual investigation or analysis of a special area in contemporary educational practice. Please refer to the MEd Research Handbook for further information on the research paper process. The MEd Research Handbook can be downloaded from the Nipissing University website at www.nipissingu.ca.

Candidates interested in pursuing the research paper option must obtain permission to register in the research paper course. Approval must be obtained from a supervisor willing to supervise and guide the student during the preparation of the research paper. Candidates must complete the Application to Complete a Research Paper form and have it signed by the supervisor who has agreed to supervise the research paper study. The completed form must be submitted to the Office of the Registrar when registering for the research paper. Forms can be downloaded from the Nipissing University website at www.nipissingu.ca.

EDUC 5116 Principles of Curriculum and Instruction

Hours: 36
Credits: 3

The goal of this course is to develop an awareness and understanding of the underlying principles and philosophies of contemporary curriculum development and instructional practices. In this course, transformative possibilities and current perspectives in curriculum theorizing will be explored.

EDUC 5126 Theories of Learning

Hours: 36
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 5136 Models of Teaching

Hours: 36
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 5146 Reflective Practice

Hours: 36
Credits: 3

Reflective Practice is designed to encourage participants to explore their own teaching philosophy and to connect it with their teaching practice. Strategies such as critical reflection and personal journal writing will be utilized as examples of building and sustaining reflection in teaching, planning and practice.

EDUC 5156 History of Education in Canada

Hours: 36
Credits: 3

History of Education in Canada offers students 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 5157 Survey of Research Methods

Hours: 36
Credits: 3

The purpose of this course is to provide an overview of methods of educational research.

EDUC 5166 Critical Pedagogy and Approaches to Democratic Education

Hours: 36
Credits: 3

The purpose of this course is to discuss both the erosion of democracy in our education system and possibilities for its revitalization. The course will focus on theory and practice, and wherever possible the various components of the course will be examined within the context of Ontario. We will examine issues such as standardization, outcomes-based education, marketization of education, and the struggle for equity, diversity, and social justice in schools. The readings will focus on democratic and critical pedagogical theorists such as Dewey, Freire, Apple, McLaren, Giroux and others as well as leading Canadian Scholars.

EDUC 5176 Education Law in the Schools

Hours: 36
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 5186 Research Project and Seminar

Prerequisite: 5157
Hours: 36
Credits: 3

The Research Project will consist of literature-based research. Students will develop a research question or problem based on an issue or concern of interest to them, conduct a thorough literature research on the topic, write up their findings, conclusions, and recommendations, and present their paper to their peers. Student evaluation within the course is Pass/Fail, and the intention is that the course will be completed within one academic term.

EDUC 5196 Understanding Education

Hours: 36
Credits: 3

It has been said that the more things change the more they stay the same. What philosophical and empirical theories underpin current understandings of education? In what ways does an educational theory inform curriculum and leadership development? Such questions will form the basis for discussion.

EDUC 5236 Curricular Strategies

Hours: 36
Credits: 3

This course will offer students the opportunity to consider various curricular orientations from the traditional to the contemporary. An exploration of strategies applicable to these various orientations will be examined in terms of their usefulness for professional practice.

EDUC 5246 Curricular Issues

Hours: 36
Credits: 3

This course provides a community for participants to examine current curriculum issues from a personal and professional perspective. Through class dialogue, students will have the opportunity to consider issues from various points of view.

EDUC 5256 Evaluation of Curriculum and Instruction (formerly Program Evaluation)

Hours: 36
Credits: 3

In this course various theories and practices in program assessment and evaluation will be examined. Both formal and informal strategies will be explored.

EDUC 5266 Holistic Education

Hours: 36
Credits: 3

The purpose of this course is to reacquaint ourselves with the interconnectedness of body, mind, emotions, and spirit. The course will focus on theory and practice, and wherever possible the various components of the course will be examined within the context of Ontario. We will examine topics such as the holistic curriculum, nurturing our wholeness, standardization, outcomes-based education, and marketization of education. The readings will focus on the works of Jack Miller and other leading scholars in holistic education.

EDUC 5276 Educational Representations in Popular Culture

Hours: 36
Credits: 3

This course will examine how culture forms education and schooling and how it is being presented in popular culture. Novels, poetry, songs, television, film, the Internet, and newspapers are all possible areas for critical exploration to examine topics such as teacher, student, administration, support staff, parents, the community, architecture, and so on and how they are represented in popular culture. Part of this course will look at what role these media play within a curriculum.

EDUC 5286 Narrative Inquiry in Teaching, Learning & Research

Hours: 36
Credits: 3

In this course personal narratives of experience will be explored as they pertain to the study of curriculum development, educational research, and teacher transformation. Personal story, life history, and their connection to professional practice and research will form the basis of the course along with appropriate readings.

EDUC 5296 New Literacies: Making Multiple Meanings

Hours: 36
Credits: 3

This course will examine new approaches to literacy that are both critical and culturally inclusive, and that draw on digital technology and multi-media to make meaning across the K-12 curriculum. Literacies are viewed in the plural as socially constructed and influenced by social, economic, cultural, and power relationships.

The course offers a concentration of theory and practice in digital literacies, print literacies, and multi-media literacies in all areas of the curriculum.

EDUC 5326 Organizational Management

Hours: 36

Credits: 3

This course will help participants develop a critical awareness of the intersections between organizational management theories and practice in schools. In order to achieve these objectives, students will read and discuss organizational management theories and relate them to educational contexts. This course aims to: critically investigate issues related to organizational management in a democratic context; help participants develop their own critical views; and enhance ongoing, responsible, reflective action and practice.

EDUC 5336 Educational Leadership

Hours: 36

Credits: 3

This course initially explores educational leadership on a broad conceptual and theoretical basis. Additionally, as a means to further understanding the reasons why leaders do the things they do, participants will consider various intrinsic and extrinsic aspects of leadership: leadership styles, leaders as managers or meaning and critical agents of change, transformational conceptions of leadership, charismatic leadership, the moral and ethical processes of leadership, as well as challenges and dilemmas currently facing educational leaders.

EDUC 5337 Conceptions of Student Risk and Resilience, and Educational Leadership

Hours: 36

Credits: 3

Educational administrators and teacher leaders are being called on to develop and implement initiatives loosely directed toward 'students at risk.' Sometimes renamed as 'student success' or 'pathways to work,' these programs most often fail to address important underlying philosophical issues. Conflicting notions of student risk and resilience exist both within theory and practice. This course will examine the various and often conflicting meanings of risk and resiliency and the paradigms of educational leadership with which they most clearly align. It will address questions such as: at risk or resilient for what, according to whom, and under which conditions?

The purposes of this course are to: become familiar with and critically examine different meanings of risk and resilience; critically apply this analysis to current ministry, board, and school policies, and procedures; and formulate and clarify personal understandings of the role of educational leaders in risk and resilience for students in their school communities.

EDUC 5346 Interpersonal Relations in Administration

Hours: 36

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 5356 Supervision of Instruction

Hours: 36

Credits: 3

This course engages participants in an examination of the meanings of instruction and supervision as they relate to the purposes of education within a democracy. Specifically, this course aims to: critically investigate conceptions of teaching, learning, and student engagement in a democratic context; examine models of supervision; and analyze connections between assumptions about education and diversity and teacher supervision.

EDUC 5366 Safe Schools

Hours: 36

Credits: 3

This course will examine the challenge and need for all educational stakeholders to make schools safe. Diverse topics include: meaning and images concerning violence, systemic violence, the social context of violence, the rural/urban experience, diversity and culture, youth disaffection and schooling, causal links to violence, health issues, architecture, participative and democratic schooling and conflict resolution.

EDUC 5376 Ethics, Values & Decision Making in Education & Schooling

Hours: 36

Credits: 3

Educational stakeholders are regularly asked to adjudicate conflicts concerning policies, procedures and outcomes. In this course participants will study the ethical, moral and value-laden aspects of educational decision-making.

EDUC 5416 Developing Curriculum For Adult Learning

Hours: 36

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 5417 Alternative Schooling

Hours: 36

Credits: 3

Alternative schooling offers students, parents, and communities something different from mainstream schooling. Alternative schooling has a distinct identity and approach to curriculum delivery. This course will examine alternative schooling by focusing on both how it is practiced and its theoretical foundations.

EDUC 5426 Developmental Reading

Hours: 36

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 5436 Early Literacy

Hours: 36
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 primary level.

EDUC 5446 Literature-based Instruction In Language

Hours: 36
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 5454 Master's Thesis

Prerequisite: EDUC 5157
Credits: 12

An individual investigation or analysis of a special area in contemporary educational practice. Please refer to the MEd Research Handbook for further information on the thesis process. The MEd Research Handbook can be downloaded from the Nipissing University website at www.nipissingu.ca

Candidates interested in pursuing the thesis option must obtain permission to register in the thesis. Approval must be obtained from a supervisor willing to supervise and guide the student during the preparation of the thesis. Candidates must complete the Application to Complete a Thesis form and have it signed by the supervisor who has agreed to supervise the thesis study. The completed form must be submitted to the Office of the Registrar when registering for the thesis. Forms can be downloaded from the Nipissing University website at www.nipissingu.ca

EDUC 5456 Issues in Special Education

Hours: 36
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 5466 Adults as Learners

Hours: 36
Credits: 3

The course will focus on adults as learners with attention to theories of adult development, motivation to participate, and adult learning.

EDUC 5476 Mentoring as Supportive Practice

Hours: 36
Credits: 3

In this course various ways of conceiving the notion of mentoring will be examined and strategies for supporting both personal practice and the practice of others through mentoring will be explored.

EDUC 5486 Independent Study

Credits: 3

This course allows 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 instructor.

EDUC 5496 Meanings of Literacy: Theory into Practice

Hours: 36
Credits: 3

A critical examination of the concept of literacy in terms of what it means and how it is realized. Students will explore their own assumptions about literacy within historical and contemporary conceptualizations of literacy; current trends in language and literacy education; and the cognitive, cultural, economic, individual, social, and cultural contexts and consequences of these definitions.

EDUC 5516 Information and Communication Technology in Education

Hours: 36
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 5526 Leadership in Action Research

Hours: 36
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. Students will produce action research reports suitable for submission for publication in a variety of venues.

EDUC 5536 Issues in First Nations Education

Hours: 36
Credits: 3

Issues in First Nations Education offers students 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 5546 Assessment of Learning

Hours: 36
Credits: 3

This course will examine the various means by which teachers assess student performance. The focus of the course will be on teacher-created instruments intended to examine classroom performance. Group assessment instruments will be emphasized, but some discussion of individual assessment instruments will be undertaken. Government mandated standards tests of student achievement will also be considered. An overview of standardized tests will be provided. Issues in assessment, such as test bias, fairness in testing and ethical use of tests and test results, will be discussed.

EDUC 5586 Research Themes in Second Language**Education**

Hours: 36

Credits: 3

This course involves a critical examination of representative empirical studies of second language education – their objectives, design, implementation and effectiveness. Each week will provide a choice of readings from three domains: FSL, ESL and additional language learning. Research issues to be examined include product studies (e.g. second language outcomes associated with a specific delivery model) and process studies (e.g. the influence of particular instructional strategies on student learning and attitudes).

The course should acquaint students with major, relevant research paradigms and permit them to develop proposals for research in second language education in their own classrooms or elsewhere.

EDUC 5616 Assessment in Special Education

Hours: 36

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 5617 Readings in Special Education

Hours: 36

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 5626 Foundations of Special Education

Hours: 36

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 5636 Mental Health Issues in School Populations

Hours: 36

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 5637 Integrated Approaches to Language Curriculum

Hours: 36

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 5646 Creativity and Learning

Hours: 36

Credits: 3

This course will assist candidates who are interested in understanding the nature of creativity. Typically, 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 5647 The Gifted Learner

Hours: 36

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 5656 Models and Methods for Program Development with Gifted Learners

Hours: 36

Credits: 3

The course will analyze and integrate major contemporary models of curriculum and program development for gifted and talented learners. Theory, research and assessment measures will be explored and implications for educational application will be considered.

EDUC 5676 Qualitative Approaches to Educational Research

Prerequisite: EDUC 5157

Hours: 36

Credits: 3

In this course a wide variety of qualitative research approaches such as ethnography, grounded theory, action research, case study, phenomenology, narrative inquiry and arts-based research will be examined. Students will discuss and practice methods that support these approaches such as conducting various types of interviews, observation, note-taking, keeping a journal, annuals, chronicles, conversation, photos, and artistic representation.

EDUC 5677 Quantitative Approaches to Educational Research

Prerequisite: EDUC 5157

Hours: 36

Credits: 3

This course will enable students to describe and explain how different forms of quantitative data can be gathered, analyzed and applied to inform educator practice. The theoretical and practical problems involved in data collection will be examined as will the logic of analysis used in assessing and interpreting gathered data. Although beneficial, no formal knowledge of statistics is required.

EDUC 5687 Comparative and International Education

Hours: 36

Credits: 3

Comparative and International Education offers candidates the opportunity to develop an understanding of the international environment and how this has an impact on education and schooling. Candidates will explore schooling in other countries, how culture has an impact on education, education and development, education and the international system (i.e. international organizations and education diplomacy), and teaching in the global environment.

EDUC 6116 Critical Conversations in Educational Research

Hours: 36

Credits: 3

This course provides an opportunity for critiquing educational research methodologies and methods across time using a constructivist paradigm to link past and future practice. Through readings and class conversations, issues and perspectives are shared and developed with an eye to expanding the boundaries of educational research for the 21st century.

EDUC 6117 Critical Conversations in Educational Theory

Hours: 36

Credits: 3

This course provides an opportunity for critiquing a range of educational theorizing across time using a constructivist paradigm to link past and future practice. Through readings and class conversations, issues and perspectives are shared and developed with an eye to expanding the boundaries of educational theorizing for the 21st century.

EDUC 6118 Inquiry Based Growth and Development in Educational Sustainability

Hours: 36

Credits: 3

This course focuses on students' professional growth as a process of career long personal inquiry and knowledge creation. In a collaborative context, students will explore aspects of theory and practice in adult and professional learning and apply it to their perspectives on educational sustainability.

EDUC 6126 Doctoral Seminar

Prerequisites: EDUC 6116 and EDUC 6117

Hours: 36

Credits: 3

This seminar offers students a forum to share work in progress and gain support and suggestions from doctoral colleagues engaged in the thesis process. The program for the seminar is established by participants and is created by the expressed needs of the group with the main focus being on furthering individuals' thinking and direction for thesis completion.

EDUC 6127 PhD Comprehensive Exam

Hours: 36

Credits: 3

The Comprehensive Exam is comprised of two substantive qualifying papers in response to two broad questions. Students are expected to bring a variety of theoretical perspectives and research methodologies to their intended area of research, consistent with the commitment to the program's interdisciplinary approach to education studies. The papers are to allow students the opportunity to situate their chosen area of research in the broad educational context.

EDUC 6999 PhD Dissertation

Hours: 36

Credits: 3

The PhD program has a defined scholarly research component which takes the form of a Dissertation. The supervision and examination of the PhD dissertation will be administered by School of Graduate Studies Regulations. To enroll, students must submit the Dissertation Application signed by members of the supervisory committee who have agreed to supervise the dissertation.

Aboriginal Education Courses

The following course descriptions are those for:

- Aboriginal Teacher Certification Program (ATCP)
- Teacher of Anishnaabemwin as a Second Language Diploma Program (TASL)
- Native Classroom Assistant Diploma Program (NCADP)
- Native Special Education Assistant Diploma Program (NSEADP)

EDUC 1010 NCADP Practicum I

Prerequisites: NCADP Part 1

Credits: Non-credit

This course consists of a 200-hour practicum. Participants work as classroom assistants with certified teachers in a school settings. The practicum must be completed prior to entering NCADP II.

EDUC 1011 Child Development

Hours: 15

Credits: 1

This course is an overview of child development through the study of developmental theories and the use of developmentally appropriate practices.

EDUC 1012 NCADP Primary Methods Part 1

Hours: 30

Credits: 2

This course focuses on teaching Aboriginal children in Kindergarten to grade three classroom settings. Teaching methodologies with an emphasis on strategies for language development and building self-esteem are discussed.

EDUC 1021 Language Arts I

Hours: 15

Credits: 1

Strategies to teach and evaluate the language arts curriculum: speaking, reading, listening and writing are presented.

EDUC 1022 NCADP Junior Methods 1

Hours: 30

Credits: 2

The course focuses on teaching of Aboriginal children in grade four to six classroom settings. Curriculum development including the use of centres and thematic units is explored.

EDUC 1031 Native Culture & Heritage

Hours: 15
Credits: 1

The course presents an overview of First Nations culture and heritage. Students are introduced to various concepts of Aboriginal world views, which demonstrate First Nations special and unique way of seeing the world.

EDUC 1041 Behaviour Management Support

Hours: 15
Credits: 1

The course focuses on the creation of a learning environment that fosters self-esteem. Topics covered include the crucial role teachers play in developing self-esteem, in establishing routines and in developing problem solving strategies for behaviour problems.

EDUC 1110 NSEADP Practicum I

Prerequisites: NSEADP Part I
Credits: Non-credit

The course consists of a 200-hour practicum. Participants work as special education assistants with certified teachers in a school setting. This practicum must be completed prior to entering NSEADP II.

EDUC 1112 NSEADP Methods I

Hours: 30
Credits: 2

This course is an introduction to teaching strategies for children with special needs. It prepares participants to work in a collaborative primary classroom environment with teachers.

EDUC 1122 NSEADP Methods II

Hours: 30
Credits: 2

This course provides an overview of the key descriptors of students identified as exceptional in Special Education Programs in Ontario. It identifies teaching strategies for working collaboratively with teachers and children in a classroom context.

EDUC 1441 The Ojibwe Curriculum Gr. 1-12, Part 1

Hours: 24
Credits: 2

The course provides an introduction to the Ontario curriculum guideline for Native Languages, with an emphasis on Ojibwe.

EDUC 1442 Ojibwe Methodology, Part 1

Hours: 36
Credits: 3

Participants are introduced to lesson planning, unit planning, and classroom management for the Ojibwe language teacher.

EDUC 1443 Education and Schooling/Educational Psychology/Special Education, Part 1

Hours: 24
Credits: 2

The course provides an introduction to education law, reflective practice, philosophy, history and current issues, educational

psychology and special education with a focus on the teacher of Ojibwe.

EDUC 1444 The Ojibwe Language, Part 1

Hours: 24
Credits: 2

Students are introduced to Ojibwe vocabulary, verbs, grammar, and conventions.

EDUC 1445 Technology and Learning Materials for Ojibwe 1

Hours: 12
Credits: 1

In this course, students are introduced to computer programs for the Ojibwe language classroom and explore appropriate teaching materials for the Ojibwe language program.

EDUC 1446 Ojibwe Team Teaching 1

Hours: 36
Credits: 3

Faculty supervise teaching of Ojibwe in a team setting, to a small group of students in a local day care or summer camp.

EDUC 1447 Observation and Practice Teaching (Ojibwe) 1

Hours: 6 weeks
Credits: 5

The course is comprised of a six week practicum in a school setting, under the supervision of an Ojibwe teacher.

EDUC 2010 NCADP Practicum II

Prerequisites: NCADP Part II
Credit: Non-credit

This course is comprised of a 200-hour practicum. Participants work as classroom assistants with certified teachers in school settings. This practicum must be completed prior to entering NCADP III.

EDUC 2011 NCADP Primary Methods II

Prerequisites: NCADP Part I
Hours: 15
Credits: 1

This course examines early intervention strategies for reading and includes a discussion of reading recovery strategies and their impact on learners.

EDUC 2012 NCADP II Special Education I

Prerequisites: NCADP Part I
Hours: 30
Credits: 2

This course examines 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 2021 NCADP Junior Methods II

Prerequisites: NCADP Part I
Hours: 15
Credits: 1

This course focuses on teaching in the junior division (children at the grade 4 to 6 level). It includes the curriculum development and organizational strategies such as the creation of centres and thematic units.

EDUC 2031 Physical Education I

Prerequisites: NCADP Part I or NSEADP Part I

Hours: 15

Credits: 1

This course examines curriculum components that constitute a balanced physical and health education for children in primary classrooms, and investigates current teaching approaches designed to meet the individual needs of students.

EDUC 2041 Language Arts II

Prerequisites: NCADP Part I or NSEADP Part I

Hours: 15

Credits: 1

Students investigate the various factors that influence language learning, and focus on language processes (reading, writing, listening, and speaking) and current theories of language arts instruction.

EDUC 2051 Mathematics

Prerequisites: NCADP Part I or NSEADP Part I

Hours: 15

Credits: 1

Students are introduced to the development of basic mathematical concepts in children in the primary and junior divisions. They investigate current approaches, which link mathematical understanding with development in children.

EDUC 2061 Computers I

Prerequisites: NCADP Part I or NSEADP Part I

Hours: 15

Credits: 1

This course will discuss strategies for integrating and using computer technology in classrooms and for individualized programs.

EDUC 2110 NSEADP Practicum II

Prerequisites: NSEADP Part II

Credits: Non-credit

This course is comprised of a 200-hour practicum. Participants work as classroom assistants with certified teachers in a school setting. This practicum must be completed prior to entering NSEADP III.

EDUC 2111 NSEADP Methods III

Prerequisites: NSEADP Part I

Hours: 30

Credits: 2

This course is designed to assist the participants in assessing children with special needs. It includes a study of IPRC procedures (Identification Placement and Review Committee) and the development of an IEP (Individual Education Plan). Participants learn basic screening and identification procedures for children with learning disabilities.

EDUC 2112 NSEADP Special Education: Learning Disabilities and the Inclusive Classroom

Prerequisites: NSEADP Part I

Hours: 30

Credits: 2

This course provides a more in depth analysis of special education in Ontario. It focuses on learning disabilities and investigates theories and philosophies of inclusion. Participants learn basic screening and identification procedures, how to plan for

differentiated instruction, and become familiar with the education of students with learning disabilities.

EDUC 2121 NSEADP Methods IV

Prerequisites: NSEADP Part I

Hours: 30

Credits: 2

The course concentrates on the education of students with behavioural exceptionalities. Participants learn to assist in basic screening and identification procedures. They are also exposed to designing and implementing individual educational plans. The course prepares the student to work in a collaborative environment with teachers in the classroom.

EDUC 2441 The Ojibwe Curriculum Gr. 1-12, Part 2

Hours: 24

Credits: 2

This course provides continued study of the Ontario curriculum guideline for Native Languages, with an emphasis on Ojibwe.

EDUC 2442 Ojibwe Methodology, Part 2

Hours: 36

Credits: 3

This course provides continued study of lesson planning, unit planning, and classroom management for the Ojibwe language teacher.

EDUC 2443 Education and Schooling/Educational Psychology/Special Education, Part 2

Hours: 24

Credits: 2

This course provides continued study of education law, reflective practice, philosophy, history and current issues; educational psychology and special education with a focus on teachers of Ojibwe.

EDUC 2444 The Ojibwe Language, Part 2

Hours: 24

Credits: 2

This course provides continued study of Ojibwe vocabulary, verbs, grammar, and conventions.

EDUC 2445 Technology and Learning Materials for Ojibwe 2

Hours: 12

Credits: 1

This course provides continued study of computer programs for the Ojibwe classroom and development of appropriate teaching materials for the Ojibwe classroom.

EDUC 2446 Ojibwe Team Teaching 2

Hours: 36

Credits: 3

Faculty supervise teaching of Ojibwe, in a team teaching setting, to a small group of students in a local day care or summer camp.

EDUC 2447 Observation and Practice Teaching 2 (Ojibwe)

Hours: 6 weeks

Credits: 5

This course is comprised of a six week practicum in a school setting, under the supervision of an Ojibwe teacher.

EDUC 3011 NCADP Primary Methods III

Prerequisites: NCADP Part II

Hours: 15

Credits: 1

This course examines planning, implementation and assessment strategies for primary programs (kindergarten to grade three). It addresses principles of curriculum design including teaching strategies, organization and the use of support materials and resources in the primary grades.

EDUC 3012 NCADP III Special Education II

Prerequisites: NCADP Part II

Hours: 30

Credits: 2

This course assists participants in developing competence in gathering information to understand the educational needs of children with exceptionalities. It focuses on the characteristics of effective instructional programs, which accommodate children's exceptionalities.

EDUC 3021 NCADP Junior Methods III

Prerequisites: NCADP Part II

Hours: 15

Credits: 1

This course examines planning, implementation and assessment strategies for junior programs (Grades four to six). It addresses principles of curriculum design including teaching strategies, organization and the use of support materials and resources in the junior grades.

EDUC 3031 Physical Education II

Prerequisites: NCADP Part II

Hours: 15

Credits: 1

This course examines the curriculum components that constitute a balanced physical and health education for children in junior classrooms. It investigates a range of teaching approaches designed to meet the individual needs of students.

EDUC 3041 Children's Literature

Prerequisites: NCADP Part II

Hours: 15

Credits: 1

This course surveys books and other print material for children. It also focuses on criteria for evaluation and analysis of children's books; types of literature considered of interest to children and a study of the works of representative Aboriginal authors. Students will explore the contribution of children's literature to the elementary school program.

EDUC 3051 Music & Drama

Prerequisites: NCADP Part II

Hours: 15

Credits: 1

This course investigates drama as an expressive art including strategies such as dramatic play, mime, improvisation and story drama. It also involves a study of music curricula, which promotes aesthetic development through experiences in singing, playing, listening, creating, moving and dramatizing.

EDUC 3061 Computers in the Classroom

Prerequisites: NCADP Part II

Hours: 15

Credits: 1

This course allows 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 3112 NSEADP III Special Education: Behaviour

Prerequisites: NSEADP Part II

Hours: 30

Credits: 2

This course examines 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 are examined in depth.

EDUC 3122 NSEADP III Special Education: The Slow Learner

Prerequisites: NSEADP Part II

Hours: 30

Credits: 2

This course investigates the education of the student with mild intellectual disabilities. Participants learn basic screening and identification procedures plus develop basic competency in designing and implementing educational programs.

EDUC 3132 NSEADP III Special Education: Technology and Learning

Prerequisites: NSEADP Part II

Hours:

Credits: 4

This course introduces the classroom assistant to technologies, methodologies and software that can be utilized to enhance the learning of children requiring extra assistance and care. Technology can be effectively utilized by the classroom assistant in providing support and learning opportunities for students.

Students are provided with an opportunity to research and plan for the use of technological supports specific to identified needs within their school community.

EDUC 3441 The Ojibwe Curriculum Gr. 1-12, Part 3

Hours: 24

Credits: 2

In this course, students continue to study the Ontario curriculum guideline for Native Languages, with an emphasis on Ojibwe.

EDUC 3442 Ojibwe Methodology, Part 3

Hours: 36

Credits: 3

In this course, students continue to study lesson planning, unit planning, and classroom management for the Ojibwe language teacher.

EDUC 3443 Education and Schooling/Educational Psychology/Special Education, Part 3

Hours: 24

Credits: 2

In this course, students continue to study education law, reflective practice, philosophy, history and current issues; educational

psychology and special education – with a focus on teachers of Ojibwe.

EDUC 3444 The Ojibwe Language, Part 3

Hours: 24
Credits: 2

In this course, students continue to study Ojibwe vocabulary, verbs, grammar, and conventions.

EDUC 3445 Technology and Learning Materials for Ojibwe 3

Hours: 12
Credits: 1

In this course, students continue to study computer programs for the classroom and to develop appropriate teaching materials.

EDUC 3446 Ojibwe Team Teaching 3

Hours: 36
Credits: 3

Faculty supervise teaching of Ojibwe in a team setting, to a small group of students in a local day care or summer camp.

EDUC 3447 Observation and Practice Teaching (Ojibwe) 3

Hours: 6 weeks
Credits: 5

This course is comprised of a six week practicum in a school setting, under the supervision of an Ojibwe teacher.

EDUC 4146 Curriculum Studies 1 (Primary/Junior), Part I

Hours: 36
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 4147 Curriculum Studies 1 (Primary/Junior), Part II

Prerequisite: EDUC 4146

Hours: 36
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 4158 Curriculum Studies 2 (Primary/Junior), Part I

Hours: 36
Credits: 3

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 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 4159 Curriculum Studies 2 (Primary/Junior), Part II

Prerequisite: EDUC 4158

Hours: 36
Credits: 3

A continuation of the study of 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 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 4168 Curriculum Studies 3 (Primary/Junior), Part I

Hours: 36
Credits: 3

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 4169 Curriculum Studies 3 (Primary/Junior), Part II

Prerequisite: EDUC 4168

Hours: 36

Credits: 3

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 4178 Curriculum Methods (Primary/Junior), Part I

Hours: 36

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 4179 Curriculum Methods (Primary/Junior), Part II

Prerequisite: EDUC 4178

Hours: 36

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 4186 Education and Schooling/Educational Psychology (Primary/Junior)

Hours: 36

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.

EDUC 4187 Education and Schooling/Special Education (Primary/Junior), Part II

Prerequisite: EDUC 4186

Hours: 36

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.

EDUC 4664 Observation and Practice Teaching (Primary/Junior)

Credits: 5

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 4664: 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:

- ATCP students are required to successfully complete one internship session in each of the primary and junior divisions. For example, if you intern in the junior division the first time, you must intern in the primary division for your second session.

EDUC 4674 Observation and Practice Teaching (Primary/Junior)

Prerequisite: EDUC 4664

Credits: 5

Students enrol in EDUC 4674: 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:

- ATCP students are required to successfully complete one internship session in each of the primary and junior divisions. For example, if you intern in the primary division the first time, you must intern in the junior division for your second session.

English Studies Courses

ENGL 1551 Language and Written Communication: English as a Second Language I

Prerequisite: No prerequisite.

Restrictions: This course may not be credited towards a program or a minor in English Studies.

Antirequisite: ENGL 1501

Hours: Three hours of lecture per week for one term.

Credits: 3

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 vocabulary, the proper use of a dictionary, and common syntactical problems involving verb tenses and the use of prepositions.

ENGL 1552 Language and Written Communication: English as a Second Language II

Prerequisite: ENGL 1551

Restrictions: This course may not be credited towards a program or a minor in English Studies.

Antirequisite: ENGL 1502

Hours: Three hours of lecture per week for one term.

Credits: 3

This course 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 1551 is continued and extended.

ENGL 1105 Introduction to English Studies

Prerequisite: No prerequisite.

Antirequisite: ENGL 1106 and ENGL 1107

Hours: Two hours of lecture and one hour of seminar per week for one term.

Credits: 6

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 taught by a collaborative teaching team of English Studies Faculty.

ENGL 1106 Introduction to English Studies I

Prerequisite: No prerequisite.

Antirequisite: ENGL 1105

Hours: Two hours of lecture and one hour of seminar per week for one term.

Credits: 3

This course introduces students to English as a discipline of study at the university. The course focuses on learning the skills required to move from an initial impression of a literary work to a clear, coherent, written analysis. Particular attention is therefore given to such topics as the purpose of literary analysis, recognizing literary conventions, correct grammar and usage, the basics of argumentation, and proper essay format.

ENGL 1107 Introduction to English Studies II

Prerequisite: ENGL 1106

Antirequisite: ENGL 1105

Hours: Two hours of lecture and one hour of seminar per week for one term.

Credits: 3

This course builds on the skills that students have acquired in ENGL 1106 by expanding their knowledge of literary conventions, forms, and techniques. This goal is achieved through the close study of a wide range of literary texts primarily from England, Canada, and the United States. The range of texts students encounter prepares them for the various historical and generic topics offered in the second year of the program. This course also continues to help students develop the skills required for successful essay writing.

ENGL 2001 Sex, Death, and Textuality

Prerequisite: 18 credits completed.

Hours: Three hours of lecture per week for one term.

Credits: 3

Humans understand their lives by telling stories. Students examine the ways in which the core elements of human existence – birth, sex and death – are represented by culture. Considering a variety of texts – including film, TV, internet and print cultures – students challenge their most basic assumptions about what it means to be a human being in relation with other human beings. This non-essay course is directed to students in a program other than English Studies and counts only as an elective.

ENGL 2002 Culture in Crisis

Prerequisite: 18 credits completed.

Hours: Three hours of lecture per week for one term.

Credits: 3

Students examine the ways in which social or environmental crises are represented in cultural texts. Exploring a variety of fictions, from page to screen, students make sense of humans' complex and conflicted relations with one another and with the structures and spaces around them. This non-essay course is directed to students in a program other than English Studies and counts only as an elective.

ENGL 2006 British Literature Before 1800

Prerequisite: ENGL 1106 and ENGL 1107 or ENGL 1105

Antirequisite: ENGL 2005

Hours: Three hours of lecture per week for one term.

Credits: 3

This course surveys British literature written before 1800 to provide students with a foundational understanding of the development of literary traditions and influences within historical contexts. In addition, the course introduces the research and bibliographic skills necessary for further work in the discipline of English Studies.

ENGL 2007 British Literature after 1800

Prerequisite: ENGL 1106 and ENGL 1107 or ENGL 1105.

Students are strongly recommended to take ENGL 2006.

Antirequisite: ENGL 2005

Hours: Three hours of lecture per week for one term.

Credits: 3

This course surveys British literature written after 1800 to provide students with a foundational understanding of the development of literary traditions and influences within historical contexts. In addition, the course introduces the research and bibliographic skills necessary for further work in the discipline of English Studies.

ENGL 2015 Theatre Production: Practice and Theory

Prerequisite: ENGL 1106 and ENGL 1107 or ENGL 1105

Hours: Two hours of seminars and two hours of workshops per week.

Credits: 6

This course takes a holistic 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.

ENGL 2025 Language and Rhetoric

Prerequisite: ENGL 1106 and ENGL 1107 or ENGL 1105

Hours: Two hours of lecture and one hour of seminar per week.

Credits: 6

Language, broadly understood, is any form of communication, whether verbal (the spoken or written word), visual (the static or moving image), or a combination of verbal and visual (in print, on the stage, or in media). Rhetoric is the art of persuasion through the effective use of language. This course introduces students to the classical foundations, historical developments and contemporary theory and practice of language and rhetoric (i.e., writing well), with attention to the ideological and cultural issues implicated in effective communication. Topics include the theory, history, practice, and ideology of language and rhetoric (i.e., modes of persuasion, instruction, notions of audience, grammar, etymology, the history of the language, register, tone, and voice). Specific content varies from year to year.

ENGL 2055 Drama: Classical to Contemporary

Prerequisite: ENGL 1106 and ENGL 1107 or ENGL 1105

Hours: Three hours of lecture and discussion per week.

Credits: 6

This course is a historical survey of the major dramatic genres and movements from classical Greece to the contemporary period. The course focuses on plays as texts composed for performance, and attention is given to the history of theatrical practice. Although the course concentrates on British plays, a number of highly influential plays are studied in English translation. Specific content varies from year to year.

ENGL 2056 North American Drama

Prerequisite: ENGL 1105 or ENGL 1106 and 1107

Hours: Three hours of lecture per week for one term.

Credits: 3

Students study a selection of Canadian and/or American drama, concentrating primarily on works of the twentieth and twenty-first centuries. While reading selected plays, students learn a critical vocabulary unique to theatre, and study the play as performance. Specific content may vary from year to year.

ENGL 2057 World Drama

Prerequisite: ENGL 1105 or ENGL 1106 and 1107

Hours: Three hours of lecture per week for one term.

Credits: 3

Students study the diverse and often politically charged plays from around the non-English speaking world. Most of the plays are post-1950, and come from such places as Nigeria, South Africa, India, and Chile. While reading selected plays, students learn a critical vocabulary unique to theatre, and study the play as performance. Specific content may vary from year to year.

ENGL 2116 Texts and Intertexts

Prerequisite: ENGL 1106 and ENGL 1107 or ENGL 1105

Antirequisite: ENGL 2115

Hours: Three hours of lecture and discussion per week for one term.

Credits: 3

This course examines the ways in which selected works make meaning through their dependence on other works. Every text is produced out of earlier texts, and these earlier texts may be called intertexts. This course studies the debt that literary texts of one or more English cultures owe to culturally prominent intertexts:

mythology, the Bible, classical writings, legends, or folklore. Specific content varies from year to year.

ENGL 2127 The Bible as Cultural Text

Prerequisite: RLCT 1025 or ENGL 1105 or ENGL 1106/1107

Antirequisite: RLCT 2127

Hours: Two hours of lecture and one hour of tutorial per week for one term.

Credits: 3

From modern cinema to poetry, pop fiction to Broadway, the Bible pervades the Western cultural imagination. Students examine the stories and poetry of the Bible through the lens of literature, film, art and music. Topics may include the Fall, sacrifice, suffering, sexuality, the body, heroism, authorship, and death.

ENGL 2207 Gender, Literature and Culture

Prerequisite: ENGL 1106 and ENGL 1107 or ENGL 1105, or GEND 1025

Hours: Three hours of lecture and discussion per week for one term.

Credits: 3

This course explores the various ways that culture reflects, constructs, reinforces, and/or challenges gender roles in given social and historical contexts. Theoretical approaches to gender provide the basis for critical analysis of a range of cultural texts by men and women. The focus is on constructions of “masculinity” and “femininity” in English cultures and media selected from the middle ages to the present. Specific content varies from year to year. This course may be credited towards Gender Equality and Social Justice.

ENGL 2255 Canadian Literature from the Colonial to the Contemporary Period

Prerequisite: ENGL 1106 and ENGL 1107 or ENGL 1105

Hours: Three hours of lecture and discussion per week.

Credits: 6

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.

ENGL 2265 American Literature from the Colonial to the Contemporary Period

Prerequisite: ENGL 1106 and ENGL 1107 or ENGL 1105

Antirequisite: ENGL 3365, ENGL 3375

Hours: Three hours of lecture and discussion per week.

Credits: 6

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.

ENGL 2305 Introduction to Digital Culture

Prerequisite: Students must have completed 18 credits.

It is strongly recommended that students complete ACAD 1601 or ENGL 1106 prior to taking ENGL 2305.

Antirequisite: DIGI 2305

Hours: Three hours of lecture per week.

Credits: 6

Digital technologies are dramatically challenging and changing areas of study and engagement that are largely the province of the humanities, namely the ways in which we learn, build knowledge, share information, and communicate. This survey course will introduce students to interdisciplinary questions about the impact of digital capacity on theory and culture, tools and applications, and the digital world. This course provides a foundation for continued study in the interdisciplinary field of digital humanities. This course may be credited toward English Studies (Group 2) and Computer Science.

ENGL 2445 Children's Literature

Prerequisite: ENGL 1106 and ENGL 1107 or ENGL 1105

Hours: Two hours of lecture and one seminar hour per week.

Credits: 6

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.

ENGL 2535 Shakespeare

Prerequisite: ENGL 1106 and ENGL 1107 or ENGL 1105

Antirequisite: ENGL 2536 and ENGL 2537

Hours: Three hours of lecture and discussion per week.

Credits: 6

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.

ENGL 2536 Shakespeare Before 1600

Prerequisite: ENGL 1106 and ENGL 1107 or ENGL 1105

Antirequisite: ENGL 2535

Hours: Three hours of lecture per week for one term.

Credits: 3

This course introduces students to the field of Shakespeare studies which includes the plays, their culture, and contemporary research sources. Close formal analysis of the printed texts is supplemented by a treatment of the theatrical aspects of the plays and by the

application of current theoretical approaches. The main focus in this course will be on selected plays of different genres written before 1600.

ENGL 2537 Shakespeare After 1600

Prerequisite: ENGL 1106 and ENGL 1107 or ENGL 1105

Antirequisite: ENGL 2535

Hours: Three hours of lecture per week for one term.

Credits: 3

This course introduces students to the field of Shakespeare studies which includes the plays, their culture, and contemporary research sources. Close formal analysis of the printed texts is supplemented by a treatment of the theatrical aspects of the plays and by the application of current theoretical approaches. The main focus in this course will be on selected plays of different genres written after 1600.

ENGL 2605 Cultural Studies

Prerequisite: ENGL 1106 and ENGL 1107 or ENGL 1105

Hours: Four hours of lecture and discussion per week.

Credits: 6

This course introduces students to the central ideas, themes, and issues involved in the study of culture. Students encounter the theoretical foundations of the rapidly developing interdisciplinary field of cultural studies in order to engage in critical inquiry and analysis of media. Topics might include representation, rituals, activities, spaces, narratives, and spectacle. Such engagement challenges students to examine the ideological underpinnings of media and their messages. This course may be credited toward a Major in Fine Arts (Art History and Visual Studies Stream).

ENGL 3026 Topics in Language and Rhetoric

Prerequisite: Six credits from the following: ENGL 2006, ENGL 2007, ENGL 2025, ENGL 2255, ENGL 2265

Hours: Three hours of lecture and discussion per week for one term.

Credits: 3

This course explores topics, concepts, and approaches in theory and production of both language and rhetoric. Topics in rhetoric may include the rhetoric of the image (both static and dynamic), of discourses (for example, scientific, pop cultural, academic), as well as modes of persuasion and notions of audience. Topics in language may include the history of the language, English structure and functions (advanced grammar), and modes of instruction. Specific content varies from year to year.

ENGL 3035 Literary Theory and Critical Practice

Prerequisite: Six credits from the following: ENGL 2006, ENGL 2007, ENGL 2255, ENGL 2265

Antirequisite: ENGL 2035

Hours: Three hours of lecture per week.

Credits: 6

This historical survey of principles, problems, and strategies of literary criticism introduces students to debates in literary and critical theory. The course address such central issues and concepts as the relation of literature to criticism, critical analysis and evaluation, reading and/as argument, the relation of literature to culture. The goal of the course is to reflect on critical reading strategies, textual practices, and language itself. Students engage a range of critical, theoretical, and social issues shaping the field of literary studies. This course is ideally suited to students considering graduate studies.

ENGL 3036 Topics in Media Studies

Prerequisite: Six credits from the following: ENGL 2006, ENGL 2007, ENGL 2255, ENGL 2265, ENGL 2605
 Hours: Three hours of lecture and discussion per week for one term.
 Credits: 3

This course explores cultural production in media other than traditional print texts. Theories from the field of cultural studies emphasizing the conditions of production and consumption inform the general approach to the material. Course content may include the analysis of a specific medium such as television, film, or the internet; the analysis of a particular genre within a medium; or cultural production across media. Specific content varies from year to year.

ENGL 3045 Early Modern Literature

Prerequisite: Six credits from the following: ENGL 2006, ENGL 2007, ENGL 2255, ENGL 2265
 Antirequisite: ENGL 2045
 Hours: Three hours of lecture and discussion per week.
 Credits: 6

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.

ENGL 3047 Topics in Digital Culture

Prerequisite: Six credits from the following: ENGL 2006, ENGL 2007, DIGI 2305, ENGL 2255, ENGL 2265, ENGL 2605
 Antirequisite: DIGI 3047
 Hours: Three hours of lecture per week for one term.
 Credits: 3

Students examine a focused topic in digital culture. Specific content varies from year to year. Topics may include theories of digital culture; popular narratives about digital culture; or the impact of digital technologies on literature, culture, education, or identity.

ENGL 3095 Restoration and Eighteenth-Century Literature

Prerequisite: Six credits from the following: ENGL 2006, ENGL 2007, ENGL 2255, ENGL 2265
 Antirequisite: ENGL 2095
 Hours: Three hours of lecture and discussion per week.
 Credits: 6

This course introduces students to a selection of English literature written between the Restoration of the Stuart monarchy in 1660 and the beginning of the nineteenth century. This period of literary history is characterized by its witty – and often scathing – satires, the revitalization of the English theatre after its closure in 1642, the beginning of the novel as a respectable literary form, the emergence of the professional woman writer, and a new focus on nature, the imagination, and sensibility. Specific content may vary from year to year.

ENGL 3126 Writing for Mass Media: Challenging Popular Forms

Prerequisite: Six credits from the following: ENGL 2006, ENGL 2007, ENGL 2025, ENGL 2255, ENGL 2265
 Hours: Three hours of lecture and discussion per week for one term.
 Credits: 3

This course introduces students to the major forms and genres of professional writing for mass media. The focus is specifically on popular forms such as magazine articles, advertising plugs, writing about global issues and political events, as well as personal columns such as “fashion,” “culture,” and “life.” In this course, we study works by established journalists, reporters, literary writers, and non-fiction essay writers, including professional literature on strategy and leadership.

ENGL 3127 Writing for Digital Media: From Tweeting to Establishing a Professional Online Presence

Prerequisite: Six credits from the following: ENGL 2006, ENGL 2007, ENGL 2025, ENGL 2255, ENGL 2265
 Hours: Three hours of lecture and discussion per week for one term.
 Credits: 3

This advanced course in writing for digital media, specifically for the web, examines the ethics of professional writing in the age of Facebook, Twitter, and blogging. While such media platforms constitute an important means of networking, they do not necessarily instigate professionalism. What are the challenges of establishing a professional online presence? Topics of discussion include technology, publishing, manuscript editing, creativity, professional glass ceiling, political activism, and ethics.

ENGL 3145 Nineteenth-Century British Literature

Prerequisite: Six credits from the following: ENGL 2006, ENGL 2007, ENGL 2255, ENGL 2265
 Antirequisite: ENGL 3136 and ENGL 3137
 Hours: Three hours of lecture and discussion per week.
 Credits: 6

This course examines a selection of British poetry, prose, and fiction from the mid-1780s to the end of the nineteenth-century. Course selections and thematic studies may vary from year to year, but study will typically include representative forms of Romantic and Victorian poetry and fiction, and a selection of prose works which illuminate the central issues of the period. Through a close examination of each text in the context of the cultural discourses in which it was produced and received, the student will gain a better understanding of the Romantic and Victorian literary responses to the social, intellectual, and political upheavals of a long nineteenth century.

ENGL 3146 Postcolonial Literature

Prerequisite: Six credits from the following: ENGL 2006, ENGL 2007, ENGL 2255, ENGL 2265
 Hours: Three hours of lecture and discussion per week for one term.
 Credits: 3

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.

ENGL 3175 British Literature after 1900

Prerequisite: Six credits from the following: ENGL 2006, ENGL 2007, ENGL 2255, ENGL 2265
Antirequisite: ENGL 3165 or ENGL 3185
Hours: Three hours of lecture and discussion per week.
Credits: 6

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.

ENGL 3206 Topics in Women's Writing

Prerequisite: Six credits from the following: ENGL 2006, ENGL 2007, ENGL 2255, ENGL 2265
Hours: Three lecture/seminar hours per week for one term.
Credits: 3

This course explores special topics in women's writing in English (Canadian, American, British and other literatures). Specific content varies from year to year. This course may be credited towards Gender Equality and Social Justice. Students in a Gender Equality and Social Justice program who have not completed the prerequisite may request permission from the Department Chair to take ENGL 3206.

ENGL 3217 Topics in Literature, Culture, and Sexuality

Six credits from the following: ENGL2006, ENGL2007, ENGL2255, ENGL 2265
Hours: Three hours of lecture per week for one term.
Credits: 3

Students examine the interrelation of literature, culture, and sexuality. In their analyses, students consider literary texts not as passive reflections of external social reality, but as active contributors to ongoing cultural debates and to the shaping of sexual ideology. Specific content varies from year to year. This course may be credited toward Gender Equality and Social Justice. Students in a Gender Equality and Social Justice program who have not completed the prerequisite may request permission from the Department Chair of English Studies to take ENGL 3217.

ENGL 3276 Native Literatures of North America

Prerequisite: Six credits from the following: ENGL 2006, ENGL 2007, ENGL 2255, ENGL 2265, or permission from the Department
Antirequisite: ENGL 2275
Hours: Three hours of lecture and discussion per week for one term.
Credits: 3

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 of the twentieth-century. Specific course content varies from year to year. Native Studies students who have not completed the prerequisites may request permission from the Department Chair to take ENGL 3276. This course may be credited towards Native Studies.

ENGL 3277 Topics in the Native Literatures of North America

Prerequisite: Six credits from the following: ENGL 2006, ENGL 2007, ENGL 2255, ENGL 2265, or permission from the Department
Antirequisite: ENGL 2275
Hours: Three hours of lecture and discussion per week for one term.
Credits: 3

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 of the twentieth-century. Specific course content varies from year to year. Native Studies students who have not completed the prerequisite may request permission from the Department Chair to take ENGL 3277. This course may be credited towards Native Studies.

ENGL 3486 Topics in Genre

Prerequisite: Six credits from the following: ENGL 2006, ENGL 2007, ENGL 2255, ENGL 2265
Hours: Three hours of lecture and discussion per week for one term.
Credits: 3

This course examines the conventions of, and developments within, a specific literary genre through a literary period or across literary history. Genres are drawn from British, Canadian, American and other literatures. Specific genres and associated course content vary from year to year.

ENGL 3487 Topics in Poetic Genres

Prerequisite: Six credits from the following: ENGL 2006, ENGL 2007, ENGL 2255, ENGL 2265
Hours: Three hours of lecture and discussion per week for one term.
Credits: 3

This course examines the conventions of, and developments within, a specific poetic genre through a literary period or across literary history. Genres are drawn from British, Canadian, American and other literatures. Specific genres and associated course content vary from year to year.

ENGL 3496 Topics in Dramatic Genres

Prerequisite: Six credits from the following: ENGL 2006, ENGL 2007, ENGL 2255, ENGL 2265
Hours: Three hours of lecture and discussion per week for one term.
Credits: 3

This course examines the conventions of, and developments within, a specific dramatic genre through a literary period or across literary history. Genres are drawn from British, Canadian, American and other literatures. Specific genres and associated course content vary from year to year.

ENGL 3497 Topics in Prose Genres

Prerequisite: Six credits from the following: ENGL 2006, ENGL 2007, ENGL 2255, ENGL 2265

Hours: Three hours of lecture and discussion per week for one term.

Credits: 3

This course examines the conventions of, and developments within, a specific prose genre through a literary period or cross literary history. Genres are drawn from British, Canadian, American and other literatures. Specific genres and associated course content vary from year to year.

ENGL 3516 Creative Writing: Poetry

Prerequisite: ENGL 1106 and ENGL 1107 or ENGL 1105

Restrictions: Students who register in this course are also required to submit for assessment a selective portfolio of their creative work or an essay demonstrating creative reasons for wishing to take the course to the Department Chair by the first week of January and approval to register in the course will be granted by mid-February.

Antirequisite: ENGL 3515

Hours: Three hours of lecture and discussion per week for one term.

Credits: 3

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.

ENGL 3517 Creative Writing: Prose Fiction

Prerequisite: ENGL 1106 and ENGL 1107 or ENGL 1105

Restrictions: Students who register in this course are also required to submit for assessment a selective portfolio of their creative work or an essay demonstrating creative reasons for wishing to take the course to the Department Chair by the first week of January and approval to register in the course will be granted by mid-February.

Antirequisite: ENGL 3515

Hours: Three hours of lecture and discussion per week for one term.

Credits: 3

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.

ENGL 3525 Rise and Development of the Novel

Prerequisite: Six credits from the following: ENGL 2006, ENGL 2007, ENGL 2255, ENGL 2265

Hours: Three hours of lecture and discussion per week.

Credits: 6

This course is designed to explore the issues surrounding the emergence of “the novel” as a distinct and dominant narrative form in English. The origins of the novel are marked by writers’ experiments with a great variety of forms and techniques in fiction,

as the novel as a distinct genre emerges from a range of types of prose writing: travelogues, familiar letters, autobiographies, philosophical treatises. We will trace the emergence of the oppositions between the fictive and the historical, each with its own distinct claims to “truth”, between “realism” and “romance” as two different types of fiction, and between attitudes to “masculine” and “feminine” modes of writing, as the grounding conditions for the emergence of the novel. We will also be considering the political and religious values at stake in these oppositions, by relating prose fiction to contemporary political, material, and economic developments.

ENGL 3606 Popular Culture

Prerequisite: Six credits from the following: ENGL 2006, ENGL 2007, ENGL 2255, ENGL 2265, ENGL 2605

Hours: Three hours of lecture and discussion per week for one term.

Credits: 3

This course explores texts that are generally considered to be popular, such as those produced for mass consumption. Theories from the field of cultural studies inform the general approach to the material, which means that the cultural contexts for the texts are foregrounded. These contexts might include histories of production and reception, economic forces, gender relations, sexuality and/ or issues of race. The course examines a range of media which may draw from the products of mass print, digital, visual, cinematic and/or electronic cultures. Specific content varies from year to year.

ENGL 3617 Popular Fiction

Prerequisite: Six credits from the following: ENGL 2006, ENGL 2007, ENGL 2255, ENGL 2265, ENGL 2605

Hours: Three hours of lecture and discussion per week for one term.

Credits: 3

Students study one or more of such popular genres as crime fiction, science fiction, fantasy, romance, gothic, horror, or historical fiction. Although specific content varies from year to year, students consider why genres often dismissed as “entertainment” should be taken seriously in their historical, cultural, and ideological contexts.

ENGL 4506 Honours Seminar: Advanced Studies in Early Modern Literature

Prerequisite: Restricted to students in the fourth year of the Honours English program.

Hours: Three hours of lecture/seminar per week for one term.

Credits: 3

Honours Seminars provide senior English students with the opportunity to develop advanced research, presentation, and writing skills in a specialized field of study. Course content varies from year to year according to the instructor’s research interest and expertise.

ENGL 4507 Honours Seminar: Advanced Studies in Eighteenth-Century Literature

Prerequisite: Restricted to students in the fourth year of the Honours English program.

Hours: Three hours of lecture/seminar per week for one term.

Credits: 3

Honours Seminars provide senior English students with the opportunity to develop advanced research, presentation, and writing skills in a specialized field of study. Course content varies from year to year according to the instructor’s research interest and expertise.

ENGL 4516 Honours Seminar: Advanced Studies in Nineteenth-Century Literature

Prerequisite: Restricted to students in the fourth year of the Honours English program.

Hours: Three hours of lecture/seminar per week for one term.

Credits: 3

Honours Seminars provide senior English students with the opportunity to develop advanced research, presentation, and writing skills in a specialized field of study. Course content varies from year to year according to the instructor's research interest and expertise.

ENGL 4517 Honours Seminar: Advanced Studies in Twentieth-Century Literature

Prerequisite: Restricted to students in the fourth year of the Honours English program.

Hours: Three hours of lecture/seminar per week for one term.

Credits: 3

Honours Seminars provide senior English students with the opportunity to develop advanced research, presentation, and writing skills in a specialized field of study. Course content varies from year to year according to the instructor's research interest and expertise.

ENGL 4526 Honours Seminar: Advanced Studies in Postcolonial Literature

Prerequisite: Restricted to students in the fourth year of the Honours English program.

Hours: Three hours of lecture/seminar per week for one term.

Credits: 3

Honours Seminars provide senior English students with the opportunity to develop advanced research, presentation, and writing skills in a specialized field of study. Course content varies from year to year according to the instructor's research interest and expertise.

ENGL 4527 Honours Seminar: Advanced Studies in Genre

Prerequisite: Restricted to students in the fourth year of the Honours English program.

Hours: Three hours of lecture/seminar per week for one term.

Credits: 3

Honours Seminars provide senior English students with the opportunity to develop advanced research, presentation, and writing skills in a specialized field of study. Course content varies from year to year according to the instructor's research interest and expertise.

ENGL 4536 Honours Seminar: Advanced Cultural Studies

Prerequisite: Restricted to students in the fourth year of the Honours English program.

Hours: Three hours of lecture/seminar per week for one term.

Credits: 3

Honours Seminars provide senior English students with the opportunity to develop advanced research, presentation, and writing skills in a specialized field of study. Course content varies from year to year according to the instructor's research interest and expertise.

ENGL 4537 Honours Seminar: Advanced Studies in American Literature

Prerequisite: Restricted to students in the fourth year of the Honours English program.

Hours: Three hours of lecture/seminar per week for one term.

Credits: 3

Honours Seminars provide senior English students with the opportunity to develop advanced research, presentation, and writing

skills in a specialized field of study. Course content varies from year to year according to the instructor's research interest and expertise.

ENGL 4546 Honours Seminar: Advanced Studies in Language and Rhetoric

Prerequisite: Restricted to students in the fourth year of the Honours English program.

Hours: Three hours of lecture/seminar per week for one term.

Credits: 3

Honours Seminars provide senior English students with the opportunity to develop advanced research, presentation, and writing skills in a specialized field of study. Course content varies from year to year according to the instructor's research interest and expertise.

ENGL 4547 Honours Seminar: Advanced Studies in Contemporary Literature

Prerequisite: Restricted to students in the fourth year of the Honours English program.

Hours: Three hours of lecture/seminar per week for one term.

Credits: 3

Honours Seminars provide senior English students with the opportunity to develop advanced research, presentation, and writing skills in a specialized field of study. Course content varies from year to year according to the instructor's research interest and expertise. Grouping designation depends on topics and decided on a yearly basis.

ENGL 4556 Honours Seminar: Advanced Studies in Drama

Prerequisite: Restricted to students in the fourth year of the Honours English program.

Hours: Three hours of lecture/seminar per week for one term.

Credits: 3

Honours Seminars provide senior English students with the opportunity to develop advanced research, presentation, and writing skills in a specialized field of study. Course content varies from year to year according to the instructor's research interest and expertise. Grouping designation depends on topics and decided on a yearly basis.

ENGL 4686 Honours Seminar: Advanced Studies in Children's Literature

Prerequisite: Restricted to students in the fourth year of the Honours English program.

Hours: Three hours of lecture/seminar per week for one term.

Credits: 3

Honours Seminars provide senior English students with the opportunity to develop advanced research, presentation, and writing skills in a specialized field of study. Course content varies from year to year according to the instructor's research interest and expertise. Grouping designation depends on topics and decided on a yearly basis.

ENGL 4695 Honours Essay

Prerequisite: Restricted to students in the fourth year of the Honours English program who possess at least a 77% (B+) average in English. Approval of the Department is required prior to registration. Students wishing to take this course during the following Fall/Winter Session must apply in writing to the Department no later than February 15.

Corequisite: Three credits of 4000 level ENGL.

Credits: 6

This course is a literary research project, a supervised critical essay of 9,000 to 12,000 words.

ENGL 4795 Creative and Critical Writing Honours Essay

Restricted to students in the fourth year of the Honours English program who possess at least a 77% (B+) average in English. Approval of the Department is required prior to registration. Students wishing to take this course during the following Fall/Winter Session must apply in writing to the Department no later than February 15.

Corequisite: Three credits of 4000 level ENGL.

Credits: 6

The creative and critical writing honours essay consists of two parts: a creative writing project and a critical essay. In the critical essay, students demonstrate their grasp of critical theory and locate their creative work within a larger literary context.

ENGL 4886 Honours Seminar: Advanced Studies in Digital Culture

Prerequisite: Restricted to students in the fourth year of the Honours English program.

Hours: Three hours of lecture/seminar per week for one term.

Credits: 3

Honours Seminars provide senior English students with the opportunity to develop advanced research, presentation, and writing skills in a specialized field of study. Course content varies from year to year according to the instructor's research interest and expertise. Grouping designation depends on topics and decided on a yearly basis.

ENGL 4896 Advanced Studies in Canadian Literature

Prerequisite: Restricted to students in the fourth year of the Honours English program.

Hours: Three hours of lecture/seminar per week for one term.

Credits: 3

Honours Seminars provide senior English students with the opportunity to develop advanced research, presentation, and writing skills in a specialized field of study. Course content varies from year to year according to the instructor's research interest and expertise. Grouping designation depends on topics and decided on a yearly basis.

Environmental Science and Environmental Studies Courses

Undergraduate Courses

Environmental Science at the undergraduate level is not offered as a degree, but the courses in Environmental Science may be credited as electives in any other degree program. Some Environmental Science courses may be required in other programs.

ENSC 1005 Introduction to Environmental Science

Prerequisite: No prerequisite.

Antirequisite: ESTD 1005

Hours: Two hours of lecture every week and two hours of laboratory/field work every two weeks.

Credits: 6

This course will examine ecological principles underlying environmental problems, and will introduce students to the broad, fast-changing and multidisciplinary nature of environmental studies.

ENSC 2006 Topics in Environmental Science I

Prerequisite: ENSC 1005

Antirequisite: ESTD 2005

Hours: Two hours of lecture and two hours of laboratory work per week for one term.

Credits: 3

This course will focus on selected environmental problems with global or international ramifications and will illustrate the ecological principles underlying their solutions.

ENSC 2007 Topics in Environmental Science II

Prerequisite: ENSC 1005

Antirequisite: ESTD 2005

Hours: Two hours of lecture and two hours of laboratory work per week for one term.

Credits: 3

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.

ENSC 2036 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

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.

ENSC 2107 Limnology

Prerequisite: BIOL 2446 and CHEM 2046

Restrictions: This course is intended primarily for students in the Environmental Biology and Technology program.

Antirequisite: BIOL 2107 and GEOG 4127

Hours: Three hours of lecture and three hours of laboratory work per week per fourteen week term.

Credits: 3

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.

ENSC 2156 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

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.

ENSC 2306 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

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.

ENSC 2407 Environmental Toxicology

Prerequisite: BIOL 1007, CHEM 1006 and CHEM 1007
Restrictions: This course is intended primarily for students in the Environmental Biology and Technology program.
Antirequisite: BIOL 2407
Hours: Two hours of lecture and three hours of laboratory work per week per fourteen week term.
Credits: 3

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.

ENSC 3006 Environmental Interpretation and Communication

Prerequisite: BIOL 2446
Antirequisite: ESTD 3005 and BIOL 3006
Hours: Two hours of lecture and two hours of laboratory work per week for one term.
Credits: 3

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 3007 Environmental Issues in Forestry

Prerequisite: BIOL 2446
Antirequisite: ESTD 3005 and BIOL 3007
Hours: Three hours of lecture and three hours of laboratory work per week for one term.
Credits: 3

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.

Graduate Courses

ENST 5116 Perspectives on the Environment

Credits: 3

This course will explore the philosophy and ideas of the natural and social sciences, as well as the humanities, with respect to their application in defining the causes, consequences of and solutions to environmental problems. Students will pursue a critical understanding of the values and limitations of these different approaches to studying human-environment interactions. The course will elucidate different ways of thinking about environmental problems, comparing and contrasting the scientific method and its application in natural and social sciences to humanistic approaches. Students will be challenged to consider these different paradigms and think beyond the boundaries of their individual background disciplines.

ENST 5117 Methods of Inquiry in Environmental Research

Credits: 3

The exchange of credible information and its correct interpretation are fundamental to achieving a clear understanding of environmental problems and making good decisions in policy development and management. This challenge requires a broad knowledge of the different methods of information collection and communication used in scientific and humanistic studies of environmental issues. The objective of this course will be to provide students with the necessary skills and experience they require to evaluate and interpret information from these disparate sources in an interdisciplinary setting.

ENST 5118 Major Research Paper (MRP)

Credits: 9

Students will write an MRP constituting either an original literature review or limited primary research. This paper will be evaluated by the supervisor and one other member of the graduate faculty, but will not be subject to an oral defence.

ENST 5126 Geomatics for MES/MESc Graduate Students

Credits: 3

This course will be offered for all MES/MESc students who have selected the MRP option and will cover a range of techniques and applications.

MESc-Science Specialty Courses

ENST 5316 Remote Sensing for Environmental Monitoring

Credits: 3

The aim of this course is to explore advanced techniques in remote sensing, digital image analysis, processing and interpretation. Depending on the interest of the student, applications for classification and monitoring of terrestrial landscapes may include the use of polarimetric radar data, object-oriented classification algorithms or hyperspectral data analysis techniques. Tools for remote sensing field validation will include the use of field spectroradiometers, global positioning systems, weather stations, and indirect leaf area index instruments.

ENST 5317 Topics in Forest Ecology and Management

Credits: 3

This course will explore the concept of forest ecosystem management and its application in Canada. Topics will include, the watershed concept and long-term ecological research (e.g. hubbard

brook forest), the coarse filter approach to biodiversity management, reconstruction of disturbance histories, emulation of natural disturbance regimes, biological and economic aspects of ecosystem services from Canadian forests, social and community forestry, forest regeneration and restoration, and the unique importance of old growth. An emphasis will be placed on examining threats to the diversity and stability of forest ecosystem functions with respect to climate change, habitat destruction and fragmentation.

ENST 5326 Topics in Watershed Analysis and Modeling

Credits: 3

The goal of this course is to explore tools of watershed analysis, field data collection techniques, sampling and analysis of natural tracers (e.g. stable isotopes, hydrochemistry), use of data in the conceptualization and development of catchment models.

ENST 5327 Topics in Aquatic Behavioural Ecology

Credits: 3

This course will examine interactions between aquatic organisms (invertebrates, fishes and amphibians) focusing on key ecological activities such as predation, foraging, mating/reproduction, homing/migration, kin/individual recognition and how these processes are intrinsic in developing management strategies.

MES Specialty Courses

ENST 5336 Topics in the Environmental History of Land and Subsistence

Credits: 3

This course will explore selected topic(s) in the environmental histories of food systems, agriculture, land, and/or settler colonialism. The focus will be on the different approaches by which historians have understood how systems for producing and distributing critical subsistence resources (primarily food) have been created over time out of an interaction between human societies and the environment (focusing on land). What role has been played in this shaping by economic, political, and legal systems and human agents, and with what effects on society and the environment?

ENST 5346 Watershed Governance

Credits: 3

This course will introduce students to themes and principles of integrated watershed management and good governance. We will examine water resource issues in northern Ontario and how these principles are integrated into water related decision processes.

ENST 5347 Special Topics in MES/MESc

Credits: 3

This course will accommodate guest lecturers/adjunct or regular faculty to direct a reading course.

ENST 5454 Masters Thesis

Credits: 15

A thesis, involving primary research and making a significant contribution to scholarship, will be completed. Students will be encouraged to publish the results arising from this work in a refereed journal. This paper will be defended before a three-person committee.

ENST 5656 Chemical Approaches to Air and Water Pollutants

Credits: 3

Topics include a study of air pollutants that can alter the atmosphere and affect human health, organic pollutants, toxicity arising from heavy metals, chemistry of natural waters and purification of water, pre-concentration techniques of toxics, and techniques for qualitative and quantitative analysis of toxics in various matrices.

Film Courses

FILM 1005 Introduction to Film

Prerequisite: No prerequisite.

Hours: Four hours of lecture per week.

Credits: 6

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. This course may be credited toward a Major in Fine Arts (Art History and Visual Studies stream).

FILM 2105 World Cinema

Prerequisite: FILM 1005

Hours: Four hours of lecture per week.

Credits: 6

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. This course may be credited towards a Major in Fine Arts (Art History and Visual Studies stream).

FILM 2215 Spanish/Latin American Film

Prerequisite: No prerequisite.

Antirequisite: ESPA 2215

Hours: Three hours of lecture per week.

Credits: 6

This is a Dialogue course in which students will combine the study of film with an introduction to Hispanic culture.

FILM 2305 Women in Cinema

Prerequisite: Students must have completed 18 credits.

Antirequisite: GEND 2305

Hours: Four hours of lecture per week.

Credits: 6

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. This course may be credited towards English Studies (Group 2).

FILM 2845 The Director's Cinema

Prerequisite: No prerequisite.

Hours: Four hours of lecture per week.

Credits: 6

The works of several important directors, with a detailed in-class examination of representative films are studied. This course may

be credited towards a Major in Fine Arts (Art History and Visual Studies stream).

Fine Arts Courses

FAVA 1008 Arts Practice: Drawing

Prerequisite: No prerequisite.

Hours: 12 hours of studio work per week for one term.

Credits: 1.5

This studio-based course strengthens students' understanding and practice of the fundamentals of drawing. Students explore drawing as a means of expression, and develop strategies to convey their ideas visually. This course may be counted towards elective credits.

FAVA 1009 Arts Practice: Printmaking

Prerequisite: No prerequisite.

Hours: 12 hours of studio work per week for one term.

Credits: 1.5

This studio-based course introduces a broad range of printmaking materials, processes, and techniques. Students explore prints as a means of expression, and develop strategies to convey their ideas visually. Coursework will address traditional printmaking practices, and the ideas and aesthetics of contemporary print media. This course may be counted towards elective credits.

FAVA 1026 Art Fundamentals I

Prerequisite: No prerequisite.

Antirequisite: FAVA 1015

Hours: One hour of lecture and three hours of studio work per week for one term.

Credits: 3

How and why is art made? Why does contemporary art seem so hard to understand? What tools and materials are used? How do you judge whether or not a work of art is successful? In this introductory studio-based course students will explore both traditional and non-traditional concepts of art, learn to use a range of materials, study the elements and principles of two and three-dimensional design and critique their own works and those of their peers.

FAVA 1027 Art Fundamentals II

Prerequisite: FAVA 1026

Antirequisite: FAVA 1015

Hours: One hour of lecture and three hours of studio work per week for one term.

Credits: 3

How do artists develop the ideas and the skills that drive their work? How do artists navigate between personal and collective meaning? Through extended studio projects and classroom exercises, students will develop greater competence in expanding upon personal source material in the preparation of their own works.

FAVA 1206 Art History I

Prerequisite: No prerequisite.

Antirequisite: FAVA 1205

Hours: Three hours of lecture per week for one term.

Credits: 3

A survey course that examines the major movements and artists in art and architecture from Prehistory to the Renaissance. Emphasizes how social, religious, political, and economic forces give shape to art and artistic practices. Introduces the language of art history used to evaluate and critique works of art through

visual analysis. Topics include spirituality, the afterlife, art and propaganda, and patronage.

FAVA 1207 Art History II

Prerequisite: FAVA 1206

Antirequisite: FAVA 1205

Hours: Three hours of lecture per week for one term.

Credits: 3

This course continues the investigation of the major movements, canonical figures and thematic issues in the history of art from the fifteenth through to the twentieth century. Focuses upon the continuing development of the skills of analysis and interpretation of works of art within their socio-historical context, recognizing that artworks are not produced in isolation, but stand as both aesthetic and cultural artifacts and forces.

FAVA 2006 Drawing I

Prerequisite: No prerequisite.

Antirequisite: FAVA 2085

Hours: One hour of lecture and three hours of studio work per week for one term.

Credits: 3

This studio-based course is designed to strengthen students' understanding and practice of the fundamentals of drawing. Emphasis will be placed on observational drawing, the development of perceptual skills, and technical facility.

FAVA 2007 Drawing II

Prerequisite: FAVA 2006

Antirequisite: FAVA 2085

Hours: One hour of lecture and three hours of studio work per week for one term.

Credits: 3

This studio-based course is designed to continue building students' understanding and practice of drawing from Drawing I. While observational drawing, the development of perceptual skills, and technical facility will continue to be a focus, this course also promotes the exploration of drawing as a conceptual tool and expressive medium.

FAVA 2026 Painting I

Prerequisite: No prerequisite.

Antirequisite: FAVA 2025

Hours: One hour of lecture and three hours of studio work per week for one term.

Credits: 3

This studio-based course will address the practical and theoretical concerns of painting. Emphasis will be placed on the fundamentals of easel painting, the theory and chemistry of paint, colour mixing, the use of various tools, and paint application. Students will explore traditional techniques such as underpainting, glazing, and impasto.

FAVA 2027 Painting II

Prerequisite: FAVA 2026

Antirequisite: FAVA 2025

Hours: One hour of lecture and three hours of studio work per week for one term.

Credits: 3

This studio-based course will build upon knowledge gained in Painting I. Additional paint media and techniques will be introduced. Students will further develop their technical facility, and will explore ideas and concepts related to the painted image.

FAVA 2046 Sculpture I

Prerequisite: No prerequisite.

Hours: One hour of lecture and three hours of studio work per week for one term.

Credits: 3

This studio-based course provides an introduction to traditional sculptural practices. Coursework will explore both plastic and glyptic methods of form development. Replication processes, such as basic mould making will also be introduced. This course will address the practical and theoretical concerns related to the discipline of sculpture.

FAVA 2047 Sculpture II

Prerequisite: FAVA 2046

Hours: One hour of lecture and three hours of studio work per week for one term.

Credits: 3

This studio-based course will address the ideas and aesthetics of contemporary sculpture. Studio projects will encourage the use of both traditional and contemporary approaches to three-dimensional form. Projects are designed to enhance the student's ability to synthesize idea, image, and material.

FAVA 2146 Design and Colour I

Prerequisite: FAVA 1027

Antirequisite: FAVA 2045

Hours: One hour of lecture and three hours of studio work per week for one term.

Credits: 3

This course is a studio-based investigation into colour theory and two-dimensional design. In this course students will be introduced to the theory, history, terminology, physiology and perception of colour, as well as the formal elements of design and concepts related to design as a visual language. Studio assignments, including colour-mixing exercises, will complement and put into practice the concepts introduced through lectures, readings and discussions.

FAVA 2147 Design and Colour II

Prerequisite: FAVA 2146

Antirequisite: FAVA 2045

Hours: One hour of lecture and three hours of studio work per week for one term.

Credits: 3

This studio-based course is a continuation of Design and Colour I. This course places emphasis on the use of colour in design and visual communication, the meaning of colour, and the formal elements of three-dimensional design. Assignments will present an opportunity for students to synthesize the theoretical, conceptual, and technical concerns of the course with their own interests.

FAVA 2236 Modern Art and Design History I

Prerequisite: FAVA 1207

Antirequisite: FAVA 2235

Hours: Three hours of lecture per week for one term.

Credits: 3

A comprehensive survey of the major arts and design movements in Europe and North America from the nineteenth to the early twentieth century. Explores the development of art and design theory and practice in the context of the rapid changes taking place in the social and political environment of modern life. The impact of revolution, industrialization and urbanization upon art and design will be examined as well as the development of new technologies and methods.

FAVA 2237 Modern Art and Design History II

Prerequisite: FAVA 1207

Antirequisite: FAVA 2235

Hours: Three hours of lecture per week for one term.

Credits: 3

Focuses on the movements and themes that dominate art and design and the artists whose individual expression redefined artistic traditions in the twentieth century. Examines artists and their work within their political, social and theoretical context.

FAVA 2346 Themes in Contemporary Art

Prerequisite: FAVA 1207

Hours: Three hours of seminar per week for one term.

Credits: 3

This course is designed to address specific topics in contemporary art. See the Department of Fine and Performing Arts website or contact the department for further details.

FAVA 2347 Topics in Contemporary Art

Prerequisite: FAVA 1207

Hours: Three hours of seminar per week for one term.

Credits: 3

This course is designed to address specific topics in contemporary art. See the Department of Fine and Performing Arts website or contact the department for further details.

FAVA 3026 Intaglio Printmaking

Prerequisite: FAVA 1027

Hours: One hour of lecture and three hours of studio work per week for one term.

Credits: 3

This studio-based course provides an introduction to intaglio techniques including etching, aquatint, drypoint and engraving. Coursework will address traditional printmaking practices and the ideas and aesthetics of contemporary print media.

FAVA 3027 Relief Printmaking

Prerequisite: FAVA 1027

Hours: One hour of lecture and three hours of studio work per week for one term.

Credits: 3

This studio-based course introduces various methods of relief printmaking, including woodcut, linocut and collagraph. Coursework will address traditional printmaking practices and the ideas and aesthetics of contemporary print media.

FAVA 3036 Advanced Studio in Art

Prerequisite: 12 credits of upper level Studio

Hours: One hour of lecture and three hours of studio work per week for one term.

Credits: 3

This is an advanced studio course in the practical and theoretical concerns of image making. The student is expected to develop a level of "professionalism" in producing a series of portfolio works utilizing traditional and/or contemporary means of image making.

FAVA 3047 Seminar in Art

Prerequisite: Six credits of upper level Art History

Hours: Three hours of lecture per week for one term.

Credits: 3

This course is designed to address specific topics in art history and visual studies. See the Department of Fine and Performing Arts website or contact the department for further details.

FAVA 3056 Advanced Painting I

Prerequisite: FAVA 2026 and FAVA 2027

Antirequisite: FAVA 3025

Hours: One hour of lecture and three hours of studio work per week for one term.

Credits: 3

This is an advanced studio course in the practical and theoretical concerns of painting. Projects will encourage creativity, and the use of both traditional and contemporary techniques.

FAVA 3057 Advanced Painting II

Prerequisite: FAVA 2026 and FAVA 2027

Antirequisite: FAVA 3025

Hours: One hour of lecture and three hours of studio work per week for one term.

Credits: 3

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. Students will be encouraged to synthesize conceptual content with material, form and technique.

FAVA 3086 Life Drawing I

Prerequisite: FAVA 2007

Antirequisite: FAVA 3085

Hours: One hour of lecture and three hours of studio work per week for one term.

Credits: 3

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).

FAVA 3087 Life Drawing II

Prerequisite: FAVA 3086

Antirequisite: FAVA 3085

Hours: One hour of lecture and three hours of studio work per week for one term.

Credits: 3

This course is a continuation of FAVA 3086 and involves further study and work in life drawing.

FAVA 3126 Screenprinting

Prerequisite: FAVA 1027

Hours: One hour of lecture and three hours of studio work per week for one term.

Credits: 3

This studio-based course will introduce the various techniques and materials of screenprinting. Coursework will address traditional printmaking practices and the ideas and aesthetics of contemporary print media.

FAVA 3127 Lithography

Prerequisite: FAVA 1027

Hours: One hour of lecture and three hours of studio work per week for one term.

Credits: 3

This studio-based course provides an introduction to the materials and techniques of stone lithography. Coursework will address

traditional printmaking practices and the ideas and aesthetics of contemporary print media.

FAVA 3376 Canadian Art History I

Prerequisite: FAVA 1207

Antirequisite: FAVA 3375

Hours: Three hours of lecture per week for one term.

Credits: 3

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.

FAVA 3377 Canadian Art History II

Prerequisite: FAVA 1207

Antirequisite: FAVA 3375

Hours: Three hours of lecture per week for one term.

Credits: 3

This art and design history course is a continuation of FAVA 3376 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.

FAVA 4026 Special Studies in Painting I

Prerequisite: FAVA 3057

Hours: One hour of lecture and three hours of studio work per week for one term.

Credits: 3

In this course, students will investigate technical and conceptual issues involving the painted image. Emphasis will be placed on problem solving and the development of self-expression.

FAVA 4027 Special Studies in Painting II

Prerequisite: FAVA 4026

Hours: One hour of lecture and three hours of studio work per week for one term.

Credits: 3

In this course, students continue to investigate technical and conceptual issues involving the painted image. Emphasis will be placed on problem solving and the development of self-expression.

FAVA 4036 Advanced Printmaking I

Prerequisite: Six credits of FAVA 3026, FAVA 3027, FAVA 3126, FAVA 3127

Hours: One hour of lecture and three hours of studio work per week for one term.

Credits: 3

In this studio-based course, students will further develop their skills in a variety of printmaking disciplines, including intaglio, relief, screenprinting and lithography. In consultation with the professor, students will develop a body of self-directed work focusing on print media of their choice, or working with an interdisciplinary approach.

FAVA 4037 Advanced Printmaking II

Prerequisite: FAVA 4036

Hours: One hour of lecture and three hours of studio work per week for one term.

Credits: 3

This studio course is a continuation of Advanced Printmaking I. Students will continue to develop projects with a focus on the ideas and aesthetics of contemporary print media.

FAVA 4046 Art and Critical Theory I

Prerequisite: 12 credits of upper level Art History.
Hours: Three hours of lecture per week for one term.
Credits: 3

This course will trace the historical background of the field of art history as well as introduce the traditional methods of art historical analysis including; connoisseurship, iconography, and formalism.

FAVA 4047 Art and Critical Theory II

Prerequisite: FAVA 4046
Hours: Three hours of lecture per week for one term.
Credits: 3

This course will examine a variety of contemporary theoretical, critical, and methodological approaches used to view and understand visual images. Methods of analysis include Marxist theory, Psychoanalytic theory, semiotics, structuralism, post-structuralism, feminist, queer and post-colonial theory. Using selected artworks, students will learn the appropriate application of these analytic methods thereby deepening their understanding and knowledge of visual culture.

FAVA 4125 Directed Studio Research and Professional Practice

Prerequisite: Restricted to BFA (Honours) students in their final year of study. Successful completion of the BFA Portfolio Assessment, as well as 6 credits in Art History and 12 credits of Studio Art at the 3000 level.
Hours: Two hours of lecture/seminar and two hours of studio work per week.
Credits: 6

Students in this course will develop a self-directed body of work based on their own research in consultation with their studio advisor. Coursework will require students to contextualize their studio practice in areas of contemporary thought, as well as address relevant historical references. Intensive studio production will be supported by full-faculty and peer critiques, written work, visiting artist and guest lectures, and off-site trips to galleries. Workshops in grant writing, promotion, and documentation, along with exhibition opportunities will prepare students for a professional practice in the arts.

French Courses

FREN 1006 Pre-Introductory French

Prerequisite: Minimum Grade 10 French (or equivalent) and placement test.
Restrictions: This course may not be credited towards a minor in French.
Antirequisite: FREN 1115
Hours: Three hours of lecture per week for one term.
Credits: 3

Introduction à la grammaire française par l'entremise de travaux écrits et oraux. Les étudiants feront aussi de courtes présentations et des compositions simples. FREN 1006 is taught completely in French.

FREN 1106 Introductory French I

Prerequisite: FREN 1006 or minimum Grade 12 French (or equivalent) and placement test equivalency of FREN 1006.
Restrictions: This course may not be credited towards a minor in French.
Antirequisite: FREN 1005
Hours: Three hours of lecture per week for one term.
Credits: 3

Les notions élémentaires de la grammaire française sont étudiées tout particulièrement, les adjectifs, les noms, les articles, les pronoms, les adverbes, les verbes (présent, impératif et futur proche). Exercices de prononciation orale et de compréhension écrite ainsi que des présentations et des compositions. FREN 1106 is taught completely in French.

FREN 1107 Introductory French II

Prerequisite: FREN 1106 or placement test equivalency of FREN 1106.
Restrictions: This course may not be credited towards a minor in French.
Antirequisite: FREN 1005
Hours: Three hours of lecture per week for one term.
Credits: 3

Nous poursuivons l'étude des notions élémentaires de la grammaire française tout particulièrement les pronoms, les adverbes, les verbes (au passé composé, à l'imparfait et au futur simple) et les verbes pronominaux. Exercices de prononciation orale et de compréhension écrite ainsi que des présentations et des compositions. FREN 1107 is taught completely in French.

FREN 2006 Français intermédiaire I

Prerequisite: FREN 1107 or placement test equivalency of FREN 1107.
Antirequisite: FREN 2005
Hours: Trois heures par semaine.
Credits: 3

Ce cours est donné complètement en français. Ce cours est une révision des notions élémentaires de la grammaire française tout particulièrement les verbes (futur simple et antérieur, conditionnel présent et passé, plus-que-parfait) ainsi que la concordance des temps. Exercices de prononciation orale, de grammaire, de lecture et de compréhension écrite. Exercices pratiques de la conversation et de la rédaction.

FREN 2007 Français intermédiaire II

Prerequisite: FREN 2006 or placement test equivalency of FREN 2006.
Antirequisite: FREN 2005
Hours: Trois heures par semaine.
Credits: 3

Ce cours est donné complètement en français. Ce cours est une révision des notions élémentaires de la grammaire française tout particulièrement les verbes (subjonctif présent et passé) ainsi que le discours direct et la révision de la voix passive d'une phrase. Exercices de prononciation orale, de grammaire, de lecture et de compréhension écrite. Exercices pratiques de la conversation avec des présentations orales et de la rédaction avec des compositions. Pratique de la lecture avec analyse de vocabulaire.

FREN 2106 Histoire générale des littératures et des cultures d'expression française I

Prerequisite: FREN 2007 or placement test equivalency of FREN 2007.

Antirequisite: FRAN 1105

Hours: Trois heures par semaine.

Credits: 3

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 du Moyen Âge jusqu'au Classicisme. Exercices spécialisés tels que présentations orales et compositions françaises.

FREN 2107 Histoire générale des littératures et des cultures d'expression française II

Prerequisite: FREN 2007 or placement test equivalency of FREN 2007.

Antirequisite: FRAN 1105

Hours: Trois heures par semaine.

Credits: 3

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 du Classicisme jusqu'à l'Époque moderne. Exercices spécialisés tels que présentations orales et compositions françaises.

FREN 2206 La littérature canadienne-française

Prerequisite: FREN 2007 or placement test equivalency of FREN 2007.

Antirequisite: FRAN 2525

Hours: Trois heures par semaine.

Credits: 3

Introduction à la littérature canadienne-française et québécoise. Lecture et analyse de textes représentatifs – romans, poèmes, pièces théâtrales. Lectures obligatoires d'œuvres choisies, comptes rendus et commentaires de textes.

FREN 2207 La littérature française pour la jeunesse

Prerequisite: FREN 2007 or placement test equivalency of FREN 2007.

Hours: Trois heures par semaine.

Credits: 3

Survol de l'histoire de la littérature française de la jeunesse du XVII^e siècle jusqu'à l'Époque moderne. Interprétation de différents textes littéraires: le texte et l'image, le conte de fées, le théâtre, le roman, etc. Lectures et analyses d'œuvres diverses. Réflexions critiques sur les rapports entre la vie et l'œuvre. Ce cours est un atout pour les étudiants(es) qui veulent poursuivre leurs études dans l'enseignement aux niveaux primaires et intermédiaires.

FREN 2306 Compétence en communication orale

Prerequisite: FREN 2007 or placement test equivalency of FREN 2007

Hours: Trois heures par semaine.

Credits: 3

Ce cours est donné complètement en français. L'étudiant développera son expression orale par l'entremise de discussions, de discours, de communication authentique et d'exercices de prononciation avec l'acquisition d'un vocabulaire riche et précis.

L'étudiant utilisera les mots justes et améliorera sa compréhension auditive.

FREN 2707 Culture française

Prerequisite: FREN 2007 or placement test equivalency of FREN 2007

Hours: Trois heures par semaine.

Credits: 3

Ce cours explore les divers aspects de la culture française. Le contenu comprend l'étude de sujets variés tels que les festivités, les films et les médias, les traditions culinaires, la poésie et l'art. Les étudiants développeront une compréhension et une appréciation de la culture française au niveau mondial en participant à diverses activités écrites et orales.

FREN 3006 Français avancé I

Prerequisite: FREN 2007 or placement test equivalency of FREN 2007.

Antirequisite: FREN 3005

Hours: Trois heures par semaine.

Credits: 3

Exercices spécialisés: grammaire, vocabulaire, expression orale et composition française. Assimiler et utiliser des structures grammaticales plus complexes. Révision de la ponctuation, le nom, le déterminant, le pronom et les verbes du premier groupe. Faire le lien entre la grammaire, la langue parlée et la langue écrite.

FREN 3007 Français avancé II

Prerequisite: FREN 2007 or placement test equivalency of FREN 2007.

Antirequisite: FREN 3005

Hours: Trois heures par semaine.

Credits: 3

Exercices spécialisés: grammaire, vocabulaire, expression orale et composition française. Assimiler et utiliser des structures grammaticales plus complexes. Révision des verbes (particulièrement le passé composé). Faire le lien entre la grammaire, la langue parlée et la langue écrite. Discuter les arguments présentés et faire valoir ses propres opinions. Étude de roman canadien-français. Ce cours est un atout pour les étudiants(es) qui aimeraient tenter le test de bilinguisme.

FREN 3106 Grammaire appliquée du français oral et écrit I

Prerequisite: FREN 2007 or placement test equivalency of FREN 2007.

Antirequisite: FRAN 1605

Hours: Trois heures par semaine.

Credits: 3

Perfectionner ses connaissances grammaticales tout particulièrement l'emploi de la majuscule, la ponctuation, le nom, le pronom, le déterminant, l'adjectif qualificatif et les homophones. Appliquer diverses notions grammaticales et syntaxiques à ses productions orales et écrites. Fournir les outils nécessaires pour rédiger un résumé de texte.

FREN 3107 Grammaire appliquée du français oral et écrit II

Prerequisite: FREN 2007 or placement test equivalency of FREN 2007.

Antirequisite: FRAN 1605

Hours: Trois heures par semaine.

Credits: 3

Perfectionner ses connaissances grammaticales tout particulièrement le verbe, l'accord du participe passé, l'adverbe et les

anglicismes. Appliquer diverses notions grammaticales et syntaxiques à ses productions orales et écrites. Fournir les outils nécessaires pour rédiger une critique. Faire le lien entre la grammaire, la langue parlée et la langue écrite afin de présenter un exposé oral informatif.

FREN 3207 Composition française

Prerequisite: FREN 2007 or placement test equivalency of FREN 2007.

Hours: Trois heures par semaine.

Credits: 3

Ce cours a pour but de perfectionner l'art de la composition et de poursuivre l'apprentissage de la grammaire. La syntaxe est mise en étude et le vocabulaire est enrichi. La description d'une maison, la nature, le portrait, la narration, le dialogue littéraire, la correspondance, la dissertation morale et la dissertation littéraire sont étudiés afin d'être capable de rédiger une variété de compositions.

FREN 3307 Communication d'affaires

Prerequisite: FREN 2007 or placement test equivalency of FREN 2007.

Hours: Trois heures par semaine.

Credits: 3

Ce cours est désigné à aider l'étudiant(e) à lire, transcrire et mettre en forme le courrier d'affaires simple et complexe. Appliquer les caractéristiques propres au style de la correspondance d'affaires. Rédiger et mettre en forme des lettres, des communications d'affaires et des rapports d'usage courant. Effectuer les tâches relatives à l'organisation et au suivi des réunions d'affaires, en plus des voyages d'affaires. Rédiger et mettre en forme les documents concernant la recherche d'un emploi. Utiliser correctement les expressions propres au français des affaires.

FREN 3407 Expression orale et l'art dramatique français

Prerequisite: FREN 2007 or placement test equivalency of FREN 2007

Hours: Trois heures par semaine.

Credits: 3

Ce cours vise à développer la capacité à s'exprimer en français par l'entremise de courtes productions dramatiques. Grâce à leur participation à diverses activités orales, les étudiants pourront développer leurs capacités d'expression et d'interprétation. Une composante pour ce cours pourrait être la production d'une pièce de théâtre.

Gender Equality and Social Justice Courses

GEND 1025 Introduction to Gender Equality and Social Justice

Prerequisite: No prerequisite.

Antirequisite: WOMN 1005

Hours: Three hours of lecture per week.

Credits: 6

This course will introduce students to some of the central themes, debates and issues that shape and inform the program in Gender Equality and Social Justice. In particular this course will foreground the intersections of race, class, sexuality, ability as well as the effects of colonization in order to examine popular issues and controversial debates that have been central to the development of women's studies, gender studies, and equality rights movements.

Through an interdisciplinary examination of our systems of knowledge and social institutions, the course will reflect on the way our public and private relationships as well as the quality of our lives continue to be shaped in relation to these systems and institutions. The course offers a range of perspectives on the work, status, and lives of women and men in our local, national and global communities. It also provides an overview of the history of gender through the various contributions of women and men to changing the social, economic and legal status of disadvantaged persons and groups.

GEND 2006 Gender and Education

Prerequisite: 18 credits completed.

Restrictions: Restricted to upper level students.

Hours: Three hours of lecture per week for one term.

Credits: 3

This course will explore the impact of gender and gender role expectations on schooling and students' learning. Starting from the understanding that children are affected by societal attitudes and gender role expectations, the course will consider how gender, as well as other social locations such as race, class, sexuality and ability, influence students' educational experiences. Students will become familiar with some of the challenges inherent in education and have the opportunity to begin thinking critically about how change may be introduced.

GEND 2026 Makeover Culture

Prerequisite: GEND 1025 or 18 credits at the first year level.

Antirequisite: GEND 3055 if taken in 2010-11

Hours: Three hours of lecture per week for one term.

Credits: 3

Whether we choose to undergo elective cosmetic surgery, revamp our houses or transform ourselves with diet and exercise we are all a part of a makeover culture. From a variety of theoretical perspectives, students study film, print, and online texts to analyze the ways that gender, race, class, sexuality, ability, agency, and authenticity are figured in makeover culture. Themes of transformation, good citizenship, self-discipline, beauty, freakishness and consumerism are explored.

GEND 2036 Gender and Environmental Justice

Prerequisite: Any course in, or cross-listed with, Gender Equality and Social Justice.

Antirequisite: GEND 3506

Hours: Three hours of lecture per week for one term.

Credits: 3

This course provides an overview of contemporary environmental issues, as they relate to gender equality and social justice challenges and initiatives. Interdisciplinary and cross-cultural in approach, this course will familiarize students with social relations that underlie various environmental problems and with social movements that respond to ecological crises. Global in perspective, topics may include water and forestry management, energy consumption and climate change, and sustainable development.

GEND 2045 Women and Art History

Prerequisite: No prerequisite.

Hours: Three hours of lecture per week.

Credits: 6

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 towards a Major in Fine Arts (Art History and Visual Studies stream).

GEND 2047 Gender and Social Media

Prerequisite: GEND 1025 or 18 credits at the first year level.

Hours: Three hours of lecture per week for one term.

Credits: 3

In this course students explore the role of social media in shaping, reflecting, and re-negotiating dominant ideas of gender, using a feminist cultural studies approach. Issues for consideration may include citizen journalism, virtual realities, e-commerce, gaming, cybersex, access and participation (or lack thereof), modes of production, surveillance, (dis)embodiment, media convergence, and the “digital divide.”

GEND 2055 Race, Class and Sexuality

Prerequisite: GEND 1025

Antirequisite: WOMN 2055

Hours: Three hours of lecture per week.

Credits: 6

This is a foundational course in Gender Equality and Social Justice which specifically builds on the introductory course. In its focus on the local, national and international contexts of power and oppression the course positions gender inequality as one of numerous, intersecting systems of oppression. The course will also consider the historical as well as contemporary contexts through which such things as race, class, sexuality and ability continue to be some of the primary categories through which inequality is perpetuated.

GEND 2056 Selected Topics in Culture and Criticism

Prerequisite: GEND 1025 or 18 credits completed.

Hours: Three hours of lecture per week for one term.

Credits: 3

While remaining substantively focused on culture the specific content of this course will change. The content of this course will vary according to the specialization of the instructor teaching the course.

GEND 2057 Selected Topics in Human Rights and Social Justice

Prerequisite: GEND 1025 or 18 credits completed.

Hours: Three hours of lecture per week for one term.

Credits: 3

While remaining substantively focused on the broad themes of human rights and social justice the specific content of this course will change.

The content varies according to the specialization of the instructor teaching the course.

GEND 2066 Race, Colonization and Indigeneity

Prerequisite: GEND 1025 or NATI 1005 or 18 credits completed.

Hours: Three hours of lecture per week for one term.

Credits: 3

This course will examine the central problems of colonization through a range of critical perspectives. Developing upon the position that colonization shapes lived experience as well as what counts as knowledge, topics will include the effects of colonization

on sexualized and racialized embodiment; the role of nationalism; and ideas of community and belonging. This course may be credited towards Native Studies.

GEND 2086 Animal Rites

Prerequisite: One of the following: GEND 1025, RLCT 1025, PHIL 1115

Hours: Three hours of lecture per week for one term.

Credits: 3

What are animals? Are we really so very different from them? Aristotle was one of the first scientific observers of them; Rene Descartes thought they were best understood as machines; and in the West we seem to think of at least some of them as family. From the perspectives of religion and philosophy this course offers an introductory analysis of the human/animal relation informed by critiques of power, including a gender and race. This course may be credited towards Philosophy and Religions and Cultures.

GEND 2146 Law, Power and Justice

Prerequisite: No prerequisite.

Hours: Three hours of lecture per week for one term.

Credits: 3

What is the relationship between law, power and justice? How do systems of law create or reinforce inequalities? What is the emancipatory potential of law? In this course, we examine various critical approaches in understanding the practice and organization of law and legal institutions. We explore the dual nature of law as both a system of power and a means to challenge existing relations of power. Topics may include the intersections between law, justice and gender, race, class, sexuality, or disability.

GEND 2147 Citizenship and Social Justice

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

This course is a broad survey of the relationship between citizenship and the enjoyment of rights. We examine the meaning of citizenship, its historical expansion, and the extent to which access to rights is dependent upon recognition and belonging to a community. Topics may include the gendered dimensions of citizenship, marginalization and identity, the place of the enemy, alien, or refugee, and cosmopolitan or global citizenship. This course may be credited towards Political Science and Social Welfare and Social Development.

GEND 2155 Selected Topics in Power and Inequality

Prerequisites: GEND 1025 or 18 credits completed.

Hours: Three hours of lecture per week for one term.

Credits: 6

While remaining substantively focused on the broad themes of power and inequality the specific content of this course changes. The content varies according to the specialization of the instructor teaching the course.

GEND 2157 Case Studies in Gender and the Law

Prerequisite: GEND 2156

Antirequisite: WOMN 2157

Hours: Three hours of lecture per week for one term.

Credits: 3

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 2166 Women, Media and Representation

Prerequisite: No prerequisite.

Antirequisite: FILM 2166, WOMN 2166

Hours: Three hours of lecture per week for one term.

Credits: 3

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 media including popular novels, film, television and magazines. In studying popular representations of women we will pay close attention to the ways in which women are differentially represented along lines of race, class, sexuality and ability. We will review contemporary cultural theories of representation, tools for creating critical cultural analysis, as well as recent debates in feminist media studies. 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 and English Studies (Group 2) and a Major in Fine Arts (Art History and Visual Studies stream).

GEND 2187 International Human Rights

Prerequisite: Any course in, or cross-listed with, Gender Equality and Social Justice. GEND 2146 or POLI 2306 is recommended.

Hours: Three hours of lecture per week for one term.

Credits: 3

In this course we examine how international human rights law and norms are promoted and protected under conditions of globalization. We survey major human rights instruments and the different actors and institutions involved in the international human rights regime. We ask what it means to say that human rights are "universal" and how they interact with local values and processes. When might "sovereignty," "culture" and "tradition" serve to protect gender-based violence and other human rights abuses, and when does the discourse of human rights function to impose "Western" values in the interests of dominant powers? How can international human rights be translated into local justice? This course may be credited towards Political Science.

GEND 2206 Sex, Body, and Identity

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

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.

GEND 2217 Gender and the Media: Themes and Controversies

Prerequisite: No prerequisite.

Hours: Three hours of lecture per week for one term.

Credits: 3

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 reality television, objectification, questions of cultural appropriation, 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 film, television, magazines and children's toys. This course may be credited towards English Studies (Group 2) and a Major in Fine Arts (Art History and Visual Studies stream).

GEND 2226 Case Studies in Persecution and Violent Conflict

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

This course investigates the social, political and legal conditions that make possible the persecution of vulnerable groups. We examine how specific groups are constructed as social or political threats and targeted as scapegoats, enemies, or even non-human. The course may focus on phenomena such as general religious, ethnic or political persecution; the role of persecution in maintaining social and sexual oppression or vice versa; and how persecution and fear may escalate into violent conflict, ethnic cleansing, or genocide. This course may be credited towards Political Science.

GEND 2305 Women in Cinema

Prerequisite: 18 credits completed.

Antirequisite: FILM 2305

Hours: Four hours of lecture per week.

Credits: 6

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. This course may be credited towards English Studies (Group 2) and a Major in Fine Arts (Art History and Visual Studies stream).

GEND 2306 Art and Social Justice

Prerequisite: No prerequisite.

Hours: Three hours of lecture per week for one term.

Credits: 3

How have art and representation been used both to marginalize groups and, conversely, to galvanize protest and resistance? Beginning with the ideological role that images and representation played in colonization, this course looks at how social injustice is often created and supported through traditional and modern visual arts. Paradoxically, art and representation have also been central to many social justice movements, forming a vital medium for imagining and instigating action for social change. This course may be credited towards a Major in Fine Arts (Art History and Visual Studies stream) and Social Welfare and Social Development.

GEND 2506 Global Gender Issues

Prerequisite: GEND 1025 or any course in, or cross-listed with, Gender Equality and Social Justice.

Hours: Three hours of lecture/seminar per week for one term.

Credits: 3

This course will begin with the premise that ‘gender makes the world go round’ and explore the place of gender in global politics. We will consider how gender inequality at the global level impacts everyday life and how it also influences local political, economic, and cultural choices. Specifically, we will examine the ways in which the use of gender as an analytical tool shifts our understanding of global violence, militarism / security, international political economy, the environment, health, human rights and global resistance movements.

GEND 3007 Feminist Theories and Perspectives: Contemporary Issues

Prerequisite: Any course in, or cross-listed with, Gender Equality and Social Justice.

Antirequisite: WOMN 3007 and WOMN 3005

Hours: Three hours of lecture per week for one term.

Credits: 3

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 critical race theory. 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.

GEND 3026 Women and World Religions I

Prerequisite: RLCT 1025 or GEND 1025

Antirequisite: RLCT 3026

Hours: Three hours of lecture per week for one term.

Credits: 3

This course will examine the presence and influence of women and the feminine across a number of world religious traditions, including Buddhism, Hinduism, Taoism, African religious traditions, Islam and animistic religions. The course will draw on contemporary writings from feminist scholars and reflect on the contributions women have made to the study of religion. This course may be credited towards Religions and Cultures.

GEND 3027 Women and World Religions II

Prerequisite: GEND 3026 or RLCT 3026

Antirequisite: RLCT 3027

Hours: Three hours of lecture per week for one term.

Credits: 3

This course will continue the examination of the presence and influence of women and the feminine across a number of world religious traditions including Buddhism, Hinduism, Taoism, African religious traditions, Islam and animistic religions begun in Women and World Religions I. The course will draw on contemporary writings from feminist scholars and reflect on the contributions women have made to the study of Eastern religions. This course may be credited towards Religions and Cultures.

GEND 3036 Global Social Movements

Prerequisite: GEND 1025 or any course in, or cross-listed with, Gender Equality and Social Justice.

Hours: Three hours of lecture/seminar per week for one term.

Credits: 3

This course will examine the shifting role of social movements in bringing about change in a globalized world, with particular attention to gender, race and class. From the 1960s on so-called ‘new social movements’, including civil rights, women’s, lesbian and gay, anti-colonial and environmental movements, have transformed the social and political landscape of western societies. We will examine these and other global movements in light of current research and analysis. This course may be credited towards Political Science.

GEND 3037 Applied Activism for Gender Equality and Social Justice

Prerequisite: GEND 1025

Hours: Three hours of lecture per week for one term plus community hours.

Credits: 3

How do theories of power, privilege, marginality, systemic oppression and social regulation apply in “real life”? Students will combine theory with practical skills appropriate to cultural activism (such as digital storytelling) and social change through a 32-hour placement in a local gender equality and social justice agency. The course combines readings, practicum and assignments relevant to learning both inside and outside the classroom.

GEND 3045 Masculinities and Power

Prerequisite: GEND 1025

Antirequisite: GEND 3055 if taken in 2011-12

Hours: Three hours of lecture per week for one term.

Credits: 3

Applying diverse historical and theoretical perspectives to the study of such themes as sports, politics, war, sexuality, desire, and popular culture, this course helps students think through questions about the social construction of masculinities as expressions of power. Do the masculinities of Eminem and Tiger Woods have anything in common with Canadian soldiers? What distinguishes hockey heroes from drag as ‘performances’ of masculinity? These are just some of the questions asked as we consider and unsettle the multiple and complex power relations that exist across the categories of gender, race, class, sexuality, age, and disability.

GEND 3046 Queer Media

Prerequisite: One of the following: GEND 2217, GEND 2305, GEND 2166, GEND 2306

Antirequisite: GEND 2266

Hours: Three hours of lecture per week for one term.

Credits: 3

This course will examine both the history of queer visibility, particularly in the US and Canada, as well as the new visibility of gays, lesbians, bisexuals and trans identified people in the media.

We will explore these representational shifts in relation to larger societal changes and the tensions that arise when popular visibility of marginalized identities is entangled in commodity culture; when communities of resistance become “niche markets.” This course may be credited towards English Studies (Group 2) and a Major in Fine Arts (Art History and Visual Studies stream).

GEND 3047 Deconstructing Nature

Prerequisite: GEND 1025 or 18 credits completed at the first year level.

Hours: Three hours of lecture per week for one term.

Credits: 3

What is nature? Is it something that humans are a part of or something we control? Is nature simply the place we go camping and the stuff we plant in our backyards? What if our ideas about nature are helping to cause the current ecological crisis? In this course students are introduced to emerging interdisciplinary scholarship that challenges and questions how we think about “nature.” From evolution to Cyborg ecology and beyond students address how and why Western culture remains so attached to this concept and to naturalizing a variety of ideas that help prevent more socially and environmentally just communities from developing.

GEND 3055 Selected Topics (Advanced) in Culture and Criticism

Prerequisite: No prerequisite.

Antirequisite: WOMN 3055

Hours: Three hours of lecture per week.

Credits: 6

The theme and content of this course will change from year to year. 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 3056 Selected Topics (Advanced) in Power and Inequality

Prerequisite: No prerequisite.

Antirequisite: WOMN 3056

Hours: Three hours of lecture per week for one term.

Credits: 3

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 3057 Selected Topics in Human Rights and Social Justice

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

This course will provide students with the opportunity to examine topical issues relating to human rights and social justice. The theme and content of this course will change from year to year. Topics may include globalization, international justice, human rights conventions and perspectives on power and equality.

GEND 3066 Canada, Colonization and the Politics of Resistance

Prerequisite: GEND 1025 or NATI 1005 or POLI 1006 or 18 credits at the first year level (GEND 2055 and GEND 2066 are recommended).

Hours: Three hours of lecture per week for one term.

Credits: 3

This course will investigate the politics of resistance to colonization within the Canadian context. Using contemporary as well as historical case studies, this course examines strategies of anti-colonial resistance and the possibility of alliance-building. Topics will include sovereignty, representation, responsibility and action. This course may be credited towards Native Studies and Political Science.

GEND 3067 HIV/AIDS Health and Social Change

Prerequisite: GEND 1025 or 18 credits completed at the first year level

Antirequisite: GEND 3056 if taken in 2010-11

Hours: Three hours of lecture per week for one term.

Credits: 3

This course explores the social, cultural, political and economic dimensions of HIV/AIDS. We examine the ideological challenges that arise as a result of the modes of transmission as well as the activities of the populations most at risk. We are interested in local, national and global levels of analysis, and in particular, we seek to apply an intersectional framework of analysis. Finally, we reflect on the evolution of governance and policies at the national and international levels that have resulted from HIV/AIDS as it has morphed and changed from its introduction in the 1980s to the present. This course may be credited towards Social Welfare and Social Development.

GEND 3116 Women and Western Religions

Prerequisite: RLCT 1025 or GEND 1025

Antirequisite: RLCT 3116 and RLST 3116 and WOMN 3116

Hours: Three hours of lecture per week for one term.

Credits: 3

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.

GEND 3117 Gender and the Bible

Prerequisite: RLCT 1025 or GEND 1025

Antirequisite: WOMN 3117 or RLCT 3117

Hours: Three hours of lecture per week for one term.

Credits: 3

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.

GEND 3127 Gender, Globalization and Human Rights

Prerequisite: SOCI 1016; 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

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. We will investigate gender relations and gendered processes in the contexts of economic, legal, political, and/or cultural globalization. Specific topics may include the feminization of labour and poverty, sex work and trafficking, development and neoliberalism, militarization, migration, and social justice activism. This course may be credited towards Sociology and Political Science.

GEND 3205 Philosophy of Sex and Love

Prerequisite: PHIL 1115 or GEND 1025

Antirequisite: PHIL 3205 and RLCT 3205

Hours: Three hours of lecture per week.

Credits: 6

Attitudes and beliefs surrounding the virtues of sex and love have changed dramatically over time and across cultures. Moreover as two of the most central aspects of human life and human experience, both sex and love have variously been seen as either ways to the divine or impossible obstacles. This course offers a critical engagement with a range of philosophical and religious ideas which have shaped both Western and Eastern understandings of the role of sex and love in human relationships and human societies. Particular attention will also be paid to the way these concepts are inseparable from gender ideologies.

GEND 3207 The United Nations and the Responsibility to Protect

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

How have the United Nations and other international organizations fared in their “responsibility to protect” human beings from genocide, war crimes, and crimes against humanity? Inquiring into the three main principles of the “responsibility to protect”—to prevent, to react, and to rebuild—we examine intervention, justice, and peacebuilding through an overview of the structure and functions of the United Nations, and an examination of its record of protection in specific cases including gender-based violence. This course may be credited towards Political Science.

GEND 3227 Transitional Justice

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

This course examines legal, ethical and sociopolitical responses to massive human rights violations in post-authoritarian and post-conflict societies. We ask whether, and how, the restoration of the rule of law, the (re)construction of democratic institutions, and the demands of truth, justice and reconciliation can be met. How should countries “deal with the past”? Is justice enough, and what kind of justice? Are some acts beyond forgiveness and punishment? Are truth, reparation and reconciliation possible? What are the gendered implications of atrocity and its remedy? We investigate

these and other questions through historical and current case studies. This course may be credited towards Political Science.

GEND 3306 Theories of Power and Equality

Prerequisite: Any course in, or cross-listed with, Gender Equality and Social Justice.

Antirequisite: WOMN 3006

Hours: Three hours of lecture per week for one term.

Credits: 3

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.

GEND 3407 Gender and Global Politics

Prerequisite: GEND 1025 or any course in, or cross-listed with, Gender Equality and Social Justice.

Hours: Three hours of lecture/seminar per week for one term.

Credits: 3

This course will examine a range of competing approaches to the study of gender and global politics. Students will learn to analyze the interrelationship of gender, politics, the state and globalization. We begin by examining feminist, traditional, and non-feminist critical approaches to global politics in order to understand the role of gender in political mobilization, representation and participation, public policy, and international relations. This course provides students with conceptual and analytical tools for the study of gender, sexuality, race and politics in globalized contexts. This course may be credited towards Political Science.

GEND 4005 Honours Essay

Prerequisite: Completion of required courses at the first and second year level. Restricted to students in the fourth year of the Honours Gender Equality and Social Justice 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

GEND 4205 Honours Seminar

Prerequisite: Students must be in the Honours Gender Equality and Social Justice program and must have completed 24 credits in the program.

Hours: Three hours of seminar per week.

Credits: 6

Studies in Gender Equality and Social Justice is an interdisciplinary program that examines the social and cultural construction of gender, and its role and impact on social relations, institutions, and related systems of knowledge. It offers students a range of interdisciplinary perspectives on the work, status, and lives of women in our local, national, and global communities, and the contributions of men and women to changing our social, political, economic, and legal status. This seminar will offer students advanced studies in topics related to these themes. The topics will change from year to year

General Science Course

GSCI 1010 Contemporary Physical Science

Prerequisite: No prerequisite.

Hours: Three hours of lecture per week.

Credits: 6

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 Courses

GEOG 1016 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

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.

GEOG 1017 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

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. This course may be credited towards Science.

GEOG 2017 Introduction to Geomatics

Prerequisite: GEOG 1016 and GEOG 1017

Antirequisite: GEOG 2015

Hours: Three hours of lecture and one hour of laboratory work per week for one term.

Credits: 3

Geomatics is the subfield of geography that deals with how spatial data are collected, managed, and analysed to produce spatial information. It includes the application of leading computer-based techniques in the environmental fields, such as global positioning systems, remote sensing, geographic information systems, and cartographic visualisation. This course aims to develop a better understanding of how we use global positioning systems and remote sensing to collect spatial data and geographic information systems to manage, analyse, and display spatial data and information. Students can expect to gain valuable hands-on experience in working with a leading geographic information system package. This course may be credited towards Science.

GEOG 2026 Introduction to Quantitative Methods

Prerequisite: GEOG 1016 or GEOG 1017

Restrictions: This is an introductory statistics course. A student in a degree program cannot retain credit for more than nine credits of introductory statistics courses.

Hours: Three hours of lecture per week for one term.

Credits: 3

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. This course may be credited towards Science.

GEOG 2106 Geomorphology

Prerequisite: GEOG 1017

Antirequisite: GEOG 2105

Hours: Two hours of lecture and one hour of laboratory work per week for one term.

Credits: 3

This systematic physical geography course is a study of geomorphic processes and associated landforms. Selected physiographic regions are examined with emphasis on the interaction between geomorphic systems and human activity stressing the need for environmental planning. This course may be credited towards Geology.

GEOG 2107 Climatology

Prerequisite: GEOG 1017

Antirequisite: GEOG 3105

Hours: Three hours of lecture per week for one term.

Credits: 3

This physical geography course provides an introduction to the fundamentals of climatology and meteorology. The various physical properties of the atmosphere are studied with respect to both their dynamics and their regional expression. Particular emphasis is placed on energy and moisture balances along with their associated spatial and temporal variations around the globe. This course may be credited towards Science.

GEOG 2126 Physical Hydrology

Prerequisite: GEOG 1017

Hours: Three hours of lecture per week for one term.

Credits: 3

This systematic physical geography course addresses the fundamental processes in physical hydrology. Components of the water balance are examined to determine the nature of their variation through time and space. Precipitation, interception, infiltration, evapotranspiration, runoff and storage will be examined. This course may be credited towards Science.

GEOG 2136 Cultural Geography

Prerequisite: GEOG 1016

Antirequisite: GEOG 2215

Hours: Three hours of lecture per week for one term

Credits: 3

This course explores cultural aspects of humanity, such as language, religion and art. Using a thematic approach, students will examine the dynamics of cultural regions, diffusion, ecology, interaction and landscape.

GEOG 2137 Social Geography

Prerequisite: GEOG 1016

Antirequisite: GEOG 2215

Hours: Three hours of lecture per week for one term.

Credits: 3

This course explores how social traits, such as economy, technology, organization and urban patterns vary over space and how spatial factors shape their construction. Specific themes to be examined include urban geography, race, gender, community and globalization.

GEOG 2226 Environment and Society

Prerequisite: GEOG 1016

Antirequisite: GEOG 2227

Hours: Three hours of lecture per week for one term.

Credits: 3

This course introduces students to key concepts and themes that help us to understand the relationship between humans and nature from a geographical perspective. It examines this interface through a variety of theoretical lenses (such as economic geography, resource geography, hazards geography, and environmental justice) that form geography's broader human-environment tradition. This course may be credited towards Science.

GEOG 3016 Field Techniques in Geography

Prerequisite: GEOG 1017 and GEOG 2026

Antirequisite: GEOG 2015 and GEOG 2016

Hours: Three hours of lecture per week for one term.

Credits: 3

The objective of this course is to provide an introduction to field research techniques in Physical and Human geography. Lecture topics include an introduction to research design, the numerous approaches used to acquire data over time and space, and the use of geographic models. Lab exercises focus on the collection of spatial information and physical measurements in specific sub-fields of Human and Physical Geography. This course may be credited towards Science.

GEOG 3026 Geography of Developing Countries

Prerequisite: 24 credits completed.

Antirequisite: GEOG 3825

Hours: Three hours of lecture per week for one term.

Credits: 3

This regional geography course offers a systematic study of underdevelopment and spatial analysis 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 3056 Spatial Analysis Using GIS

Prerequisite: GEOG 2017

Antirequisite: GEOG 4056 and GEOG 2011

Hours: Three hours of lecture and one hour of laboratory work per week for one term.

Credits: 3

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. This course may be credited towards Science.

GEOG 3057 Environmental Geomorphology

Prerequisite: GEOG 2106

Hours: Three hours of lecture per week for one term.

Credits: 3

This course uses a systems approach to explore the interaction between surface landforms, geomorphic processes and human activity in selected environments. A wide range of geomorphic data collection, monitoring, analysis, and communication techniques are examined. This course may be credited toward Science.

GEOG 3066 Remote Sensing of the Environment

Prerequisite: GEOG 1016, GEOG 1017 and GEOG 2026

Antirequisite: GEOG 3037 and GEOG 4037

Hours: Three hours of lecture and one hour of laboratory work per week for one term.

Credits: 3

This systematic technique course is a lecture-lab course that covers the use of digital satellite data (optical, infrared and radar) for resource mapping and environmental monitoring. The laboratory component is computer-based and will include an orientation to digital data, image interpretation, image preprocessing (radiometric & geometric), image enhancement, image classification and change detection. This course may be credited towards Geology.

GEOG 3076 Regional Geography of Africa

Prerequisite: 24 credits completed.

Hours: Three hours of lecture per week for one term.

Credits: 3

The continent of Africa is often mistakenly perceived as one big country. The goal of this course is to go beyond these generalizations in order to understand the distinctions that exist between different regions in Africa. Particular attention is paid to the biophysical, historical and economic forces that continue to shape Africa's human and natural landscape.

GEOG 3086 Principles of Biogeography

Prerequisite: One of GEOG 2106, GEOG 2107 or GEOG 2126

Antirequisite: GEOG 3115

Hours: Three hours of lecture per week for one term.

Credits: 3

This course examines the causes and significance of current and historical distributions of both plants and animals on local, regional and global scales. This course may be credited towards Science.

GEOG 3096 Environmental Hydrology

Prerequisite: GEOG 2126

Hours: Three hours of lecture and one hour of laboratory work per week for one term.

Credits: 3

The movement and storage of water, first at the global scale and then at the scale of small watersheds are examined. The emphasis will be on developing a process-level understanding of what controls the rate and magnitude of water flux from its point of entry to a catchment through to its exit point(s). This course may be credited towards Science.

GEOG 3106 Impact Assessment for Resource Management

Prerequisite: GEOG 2226

Antirequisite: GEOG 4107

Hours: Three hours of lecture per week for one term.

Credits: 3

Environmental Impact Assessment (EIA) has emerged as both an instrument of evaluation and as a decision-making system. EIA is an integral part of environmental management and environmental policy at regional, national, and international levels. While EIA ideally incorporates economic, environmental and social considerations into planning and development processes, it is very much embedded within the growth ethic; it is not about preventing development, only insuring that development occurs within an ecologically and socially responsive context. This course examines EIA from a critical perspective as a strategic, comprehensive, and pro-active process employed to incorporate the ecological and social aspects of development into planning and environmental/resource management processes.

GEOG 3126 Geographies of Agriculture

Prerequisites: 54 credits completed.

Hours: Three hours of lecture per week for one term.

Credits: 3

Students explore global processes and trends in agricultural development, sustainable food systems, and local food supply networks.

GEOG 3136 Global Economic Geographies

Prerequisite: 54 credits completed.

Antirequisite: GEOG 2306

Hours: Three hours of lecture per week for one term.

Credits: 3

This human geography course is an introduction to the factors affecting the spatial organization of economic activity across the world. Development processes and patterns in different regions of the globe are compared as well as the interrelations between these regions. Particular attention is paid to the evolving debate about the significance of globalization and its role in shaping production and consumption patterns.

GEOG 3206 Urban Growth and Development

Prerequisite: GEOG 1016

Antirequisite: GEOG 3205

Hours: Three hours of lecture per week for one term.

Credits: 3

This systematic human geography course deals with the urbanization process through time and space. Urbanization is examined through historical, functional and scientific explanations. This includes the origin and growth of cities, third world city development, the economic functions that cities serve and theoretical models used to explain city development.

GEOG 3207 The Internal Structure of the City

Prerequisite: GEOG 1016

Antirequisite: GEOG 3205

Hours: Three hours of lecture per week for one term.

Credits: 3

The internal structure of the city is studied from a land use perspective along with theories of land use and spatial behaviours. This includes the study of the Central Business District, retailing, transportation, wholesaling, the industrial structure, social area analysis, residential areas, ethnicity, migration and suburbanization and the planning process.

GEOG 3217 Political Geography and Development

Prerequisite: GEOG 1016

Hours: Three hours of lecture per week for one term.

Credits: 3

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 3236 Geography of Environment and Health

Prerequisite: GEOG 1016 and GEOG 1017

Hours: Three hours of lecture per week for one term.

Credits: 3

This course introduces students to the theories and methods involved in environment and health research. Students are introduced to the different definitions of environment and health. Current issues of environment and health are placed within wider social and community contexts. Limitation of models and approaches used in environment and health research are also discussed.

GEOG 3306 Population Geography

Prerequisite: GEOG 1016

Antirequisite: GEOG 2206

Hours: Three hours of lecture per week for one term.

Credits: 3

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.

GEOG 3356 Introduction to International Development

Prerequisite: GEOG 1016 and GEOG 1017

Antirequisite: GEOG 2356

Hours: Three hours of lecture per week for one term.

Credits: 3

Students are introduced to the fundamentals of development geography in terms of theoretical and intellectual frameworks that have informed the study of international development from a spatial perspective. Students examine comparative, philosophical and analytical approaches to international development from the conventional to the 'new' nature of 'development' in societies from both North and South.

GEOG 3406 A Geography of Canada

Prerequisite: 24 credits completed.

Antirequisite: GEOG 2405, GEOG 2406

Hours: Three hours of lecture per week for one term.

Credits: 3

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 related to national and provincial development.

GEOG 3397 Introductory Soil Science

Prerequisite: GEOG 1017 or permission of the instructor.

Antirequisite: BIOL 3397 and GEOL 3397

Hours: Three hours of lecture and three hours of laboratory work per week for one term.

Credits: 3

Lectures deal with the study of soil as an integral part of our physical environment. Soil profile characteristics are studied in the context of soil-forming factors, pedogenic processes, and soil

classification systems. Laboratory sessions include analysis of typical soil profiles in the field and methods of physical, chemical, and biological analysis of soil samples in the wet lab. This course may be credited towards Science.

GEOG 3436 Earth Resources

Prerequisite: GEOG 1016 and GEOG 1017

Antirequisite: GEOL 2021

Hours: Three hours of lecture per week for one term.

Credits: 3

The objective of this course is to develop an understanding of the origin, distribution and abundance of economically important non-renewable resources. Focus is directed towards the exploration, development, and extraction of earth resources in Canada. Throughout the course, case studies and examples are used to investigate environmental issues arising from the extraction and processing of different resources. Discussion also revolves around the future supply of earth resources in Canada and the rest of the world. This course may be credited towards Science.

GEOG 3606 A Geography of Western Europe

Prerequisite: 24 credits completed.

Antirequisite: GEOG 3605

Hours: Three hours of lecture per week for one term.

Credits: 3

A study of the human geography and cultural landscape of Western Europe. Utilizing a macro level approach, this course stresses population, economic, and political diversity. Historical changes are investigated, with an emphasis on developments since WWII.

GEOG 3706 A Geography of Russia and the Eurasian Republics (formerly GEOG 2706)

Prerequisite: 24 credits completed.

Antirequisite: GEOG 2705, GEOG 2706

Hours: Three hours of lecture per week for one term.

Credits: 3

In this regional geography course, students examine the physical, economic, cultural and political diversity. Students study Russia and the surrounding former Soviet Republics.

GEOG 3707 A Geography of Eastern Europe (formerly GEOG 2707)

Prerequisite: 24 credits completed.

Antirequisite: GEOG 2705, GEOG 2707

Hours: Three hours of lecture per week for one term.

Credits: 3

This regional geography course offers a detailed study of the physical, economic, cultural and political geography of Eastern Europe. An examination of past and present patterns of growth and development is included.

GEOG 3906 Selected Topics

Prerequisite: GEOG 1016 and GEOG 1017

Hours: Three hours of lectures or seminars per week for one term.

Credits: 3

This course provides advanced coverage of selected topics in Geography, although the specific content of the course will vary from year to year according to the faculty member instructing the course. Depending on the specific content, the group designation in the geography programs may vary.

GEOG 4026 Political Ecology

Prerequisites: GEOG 2226

Hours: Three hours of lecture per week for one term.

Credits: 3

Students gain an understanding of the unequal distribution of costs and benefits of environmental change, as well as how seemingly objective concepts like sustainability, biodiversity and degradation are influenced by social norms. Case studies are drawn from rural and urban settings in the developing and developed world.

GEOG 4027 Spatial Computing

Prerequisites: GEOG 3056 or GEOG 3066

Hours: Three hours of lecture per week for one term.

Credits: 3

In this course students learn basic concepts in programming, imaging, and visualization in geography and geomatics. Topics include computational techniques for solving spatially based problems.

GEOG 4057 Topics in GIS Applications

Prerequisite: GEOG 3056

Hours: Three hours of lecture and one hour of laboratory work per week for one term.

Credits: 3

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. This course may be credited towards Science.

GEOG 4066 Topics in Remote Sensing Applications

Prerequisite: GEOG 3037 or GEOG 3066 or GEOG 4037

Hours: Three hours of lecture and one hour of laboratory work per week for one term.

Credits: 3

This systematic technique course is a lecture-seminar course covering selected topics in the application of remote sensing in the social and natural sciences. Students will undertake a major term project selected in consultation with the instructor. This course may be credited towards Science.

GEOG 4087 Advanced Biogeography

Prerequisite: GEOG 3086

Antirequisite: GEOG 3115

Hours: Three hours of lecture/seminar per week for one term.

Credits: 3

This course examines the current role of biogeography in conservation and resource management. Students prepare a research proposal that incorporates relevant theory and published research. This course may be credited towards Science.

GEOG 4106 Terrain Analysis

Prerequisite: GEOG 3056 and GEOG 2106 or GEOL 1006 and GEOL 1007

Hours: Three hours of lecture per week for one term.

Credits: 3

This course applies the principles and concepts of geomorphology to analyze the terrain surface with special attention being given to digital elevation models. The use of terrain properties in a variety of geomorphic applications will be examined. This course may be credited towards Geology.

GEOG 4116 Pleistocene and Glacial Geomorphology

Prerequisite: GEOG 2106 or equivalent.

Hours: Three hours of lecture per week for one term.

Credits: 3

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.

GEOG 4126 Applied Hydrology for Snow and Ice Environments

Prerequisite: GEOG 2126

Hours: Three hours of lecture per week for one term.

Credits: 3

This systematic physical geography course concerns itself with the study of the watershed as a geographical unit in snow and ice environments. It presents a practical approach to the study, measurement and analysis of hydrologic and human elements interacting in drainage basins which occur in a frozen state for, at least, part of the year. Topics include snowfall and drifting snow, the formation and evolution of the snow pack, snowmelt, avalanches, ice growth and decay on lakes and rivers, ice jams, glaciers and glacial hydrology; ground ice and permafrost hydrology. This course may be credited towards Science.

GEOG 4127 Lake and Wetland Environments

Prerequisite: GEOG 3127 or GEOG 3086

Antirequisite: BIOL 2107, ENSC 2107

Hours: Three hours of lecture per week for one term.

Credits: 3

This systematic physical Geography course deals with the physical, chemical and biological environments of lakes and wetlands. This course may be credited towards Science.

GEOG 4136 Applied Climatology

Prerequisite: GEOG 2107

Hours: Three hours of lecture per week for one term.

Credits: 3

This systematic physical geography course is an in-depth study of the application of physical principles to practical problems in climatology and the reciprocal interaction between climate and human activities. Topics include: synoptic climatology; air pollution; bioclimatology; agricultural climatology; and methods of microclimatic modification. Students are expected to work closely with climatic data and should be prepared to learn new software applications. This course may be credited towards Science.

GEOG 4137 Paleoclimatology and Climatic Change

Prerequisite: GEOG 2107 and GEOG 3107

Hours: Three hours of lecture per week for one term.

Credits: 3

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. This course may be credited towards Science.

GEOG 4227 Themes in Social and Cultural Geography

Prerequisite: GEOG 2136 or GEOG 2137

Hours: Three hours of lecture per week for one term.

Credits: 3

The main components of this course examine the impact of human society and culture on the earth's surface. It seeks to understand how places develop meaning for people, through the analysis of socio-cultural processes, landscapes, and identities. Topics may include ethnic divisions, religious denominations, and socio-professional structures.

GEOG 4237 Urban Health

Prerequisite: GEOG 3236

Hours: Three hours of lecture per week for one term.

Credits: 3

This systematic human geography course considers the influence of urban environments on human health and well-being. Topics will include urban-rural health differentials, urban health in the developed versus underdeveloped world, vulnerable populations, urban pollution, and the potential health impacts of urban design.

GEOG 4247 Environmental Modeling

Prerequisite: GEOG 3056 or GEOG 3066 or GEOG 3096

Hours: Three hours of lecture/seminar per week for one term.

Credits: 3

This course introduces students to systems thinking and dynamic environmental modeling. Case studies from contemporary environmental issues may include watershed hydrology and management, biogeochemical cycling and other select systems of interest. In consultation with the instructor, students undertake a major term project in which they conceptualize, build and test an environmental system model. This course may be credited towards Science.

GEOG 4317 Issues in Global Economic Geographies

Prerequisite: GEOG 2807 or GEOG 3136

Hours: Three hours of lecture per week for one term.

Credits: 3

This senior seminar course examines spatial changes to the new geo-economy. The goal is for students to comprehend the influencing 'agents' of change as well as the economic, social, political, and cultural impacts. The role of international factors, culture, institutions, industrial structure, education, and policy in promoting innovation and growth will be explored. Winners and losers in the new geo-economy are also identified.

GEOG 4437 Hazards Geography

Prerequisite: GEOG 2226

Hours: One of lecture and two hours of seminar/presentations per week for one term.

Credits: 3

In this course, students become familiar with an analytical framework that shows how natural and social worlds intersect and lead to disasters. Examples include historical and contemporary case studies of hazards, such as earthquakes, floods, droughts pandemics and climate change. Finally, students analyze a hazard that has taken place using the framework mentioned above, or develop an analysis of potential hazard(s) from their own region.

GEOG 4777 Water Governance

Prerequisite: GEOG 2226

Antirequisite: GEOG 3127 or GEOG 2127

Hours: Three hours of lecture per week for one term.

Credits: 3

In this course students explore the governance of water resources from a socio-ecological systems perspective. Some of the topics covered include water availability, equality and accessibility, public-private partnerships, source water protection, First Nations water rights, transboundary conflicts, among others.

GEOG 4806 Natural Resource Development in Regional Planning

Prerequisite: GEOG 2226

Hours: Three hours of lecture per week for one term.

Credits: 3

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.

GEOG 4807 Natural Resource Management

Prerequisite: GEOG 4806

Hours: Three hours of lecture per week for one term.

Credits: 3

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.

GEOG 4816 Landscapes and Urban Planning

Prerequisite: GEOG 3205 or GEOG 3206 or GEOG 3207

Antirequisite: GEOG 4907 (2011-2013 only)

Hours: Three hours of lecture per week for one term.

Credits: 3

The systematic human geography course reviews historical as well as contemporary urban planning and policy initiatives in the North American and Western European city. The course begins with a survey of late nineteenth century utopian planning movements, followed by an examination of the professionalized land use planning practices of the twentieth century. Finally, the course assesses several contemporary planning and policy initiatives that are geared towards revitalizing the post-industrial landscapes of cities.

GEOG 4817 Urban Land Use Planning in Canada

Prerequisite: GEOG 3206 and GEOG 3207

Hours: Three hours of lecture per week for one term.

Credits: 3

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 4906 Selected Topics in Physical Geography

Prerequisite: GEOG 1016 and GEOG 1017

Hours: Three hours of lecture or seminar per week for one term.

Credits: 3

This course provides advanced coverage of selected topics in Physical Geography, although the specific content of the course will vary from year to year according to the faculty member instructing the course. This course may be credited towards Science.

GEOG 4907 Selected Topics in Human Geography

Prerequisite: GEOG 1016 and GEOG 1017

Hours: Three hours of lecture or seminar per week for one term.

Credits: 3

This course provides advanced coverage of selected topics in Human Geography, although the specific content of the course will vary from year to year according to the faculty member instructing the course.

GEOG 4976 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

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. This course may be credited towards Science.

GEOG 4977 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

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 4986 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: 3

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.

GEOG 4995 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

Geology Courses

GEOL 1006 The Earth's Interior

Prerequisite: No prerequisite.

Antirequisite: GEOL 1005, GEOL 1020, and GEOL 1031

Hours: Three hours of lecture and three hours of laboratory work per week for one term.

Credits: 3

This course covers the endogenic processes that are associated with the geology of the Earth. Topics include the rock cycle (sedimentary/metamorphic/igneous rocks), and rock-forming minerals. In addition, all aspects of plate tectonics are examined including earthquakes, magma generation, volcanic activity, continental growth, mountain building, and geologic structures.

GEOL 1007 Surficial Geology

Prerequisite: No prerequisite.

Antirequisite: GEOL 1005, GEOL 1020, and GEOL 1032

Hours: Three hours of lecture and three hours of laboratory work per week for one term.

Credits: 3

This course builds on concepts introduced in GEOL 1006 and serves as an introduction to the exogenic processes that are associated with the geology of the Earth. Topics include: the geologic time scale; dating methods; fossils; as well as sedimentary and erosional environments.

GEOL 1031 The Earth's Interior for non-Science

Prerequisite: No prerequisite.

Antirequisite: GEOL 1005, GEOL 1020, and GEOL 1006

Hours: Three hours of lecture week for one term.

Credits: 3

This course covers the endogenic processes that are associated with the geology of the Earth. Topics include the rock cycle (sedimentary/metamorphic/igneous rocks), and rock-forming minerals. In addition, all aspects of plate tectonics are examined including earthquakes, magma generation, volcanic activity, continental growth, mountain building, and geologic structures.

GEOL 1032 Surficial Geology for non-Science

Prerequisite: No prerequisite.

Antirequisite: GEOL 1005, GEOL 1020, and GEOL 1007

Hours: Three hours of lecture week for one term.

Credits: 3

This course builds on concepts introduced in GEOL 1031 and serves as an introduction to the exogenic processes that are associated with the geology of the Earth. Topics include: the geologic time scale; dating methods; fossils; as well as sedimentary and erosional environments.

GEOL 3397 Introductory Soil Science

Prerequisite: GEOG 1017 or permission of the instructor.

Antirequisite: BIOL 3397 or GEOG 3397

Hours: Three hours of lecture and three hours of laboratory work per week for one term.

Credits: 3

Lectures deal with the study of soil as an integral part of our physical environment. Soil profile characteristics are studied in the context of soil-forming factors, pedogenic processes, and soil classification systems. Laboratory sessions include analysis of typical soil profiles in the field and methods of physical, chemical, and biological analysis of soil samples in the wet lab.

History Courses

HIST 1006, HIST 1007, HIST 1016, HIST 1017

Introduction to Historical Studies

Prerequisite: No prerequisite.

Antirequisite: Students are limited to a maximum of 12 credits of History at the 1000 level.

Hours: Two hours of lecture and one hour of seminar per week.

Credits: 3

These courses are designed to introduce students to the study of history through a particular theme, approach, or topic of historical study. Students will gain necessary skills for historical analysis, research, and writing at the university level. Consult the History Department's website for a detailed list of topic offerings for this academic year.

HIST 1405 Power and Resistance in Canada's Past

Prerequisite: No prerequisite.

Antirequisite: HIST 1406 and HIST 1407. Students are limited to a maximum of 12 credits of History at the 1000 level.

Hours: Two hours of lecture and one hour of tutorial per week.

Credits: 6

This course considers the ways in which the politics, culture and society of northern North America have been shaped by power relations between Natives and newcomers, women and men, French and English speakers, and many others. How was power deployed and resisted in the reshaping of peoples, places and environments in our past? How have encounters between Europeans and Indigenous peoples, and the powerful and the less powerful throughout Canadian history, shaped our country? Students debate such questions in weekly seminars, and will participate in workshops designed to sharpen their writing and research skills. Through this course they gain the ability to critique and better understand their society.

HIST 2005 Canadian Social History

Prerequisite: Six credits of History at the 1000 level or 30 credits completed.

Antirequisite: HIST 3205

Hours: Three hours of lecture per week.

Credits: 6

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.

HIST 2055 History of Ancient Civilizations

Prerequisite: Six credits of History at the 1000 level or 30 credits completed.

Hours: Three hours of lecture per week.

Credits: 6

The social, economic, political and religious life of ancient civilizations are studied. This course may be credited towards Classical Studies and Political Science.

HIST 2105 History of Medieval Europe

Prerequisite: Six credits of History at the 1000 level or 30 credits completed.

Hours: Three hours of lecture per week.

Credits: 6

Various aspects of the rise of Europe from the decline of the Roman Empire to the Renaissance are studied.

HIST 2136 Peace, Order and Good Government: State and Society in Canada

Prerequisite: Six credits of History at the 1000 level or 24 credits completed.

Antirequisite: HIST 2555

Hours: Three hours of lecture per week for one term.

Credits: 3

Students examine the main themes and issues in the development of the Canadian state and its role in the evolution of Canadian society. This course may be credited towards Political Science.

HIST 2137 The Global Cold War

Prerequisite: Six credits of History at the 1000 level or 24 credits completed.

Antirequisite: HIST 2305

Hours: Three hours of lecture per week for one term.

Credits: 3

Students examine world politics after 1945 as they were shaped by a Cold War that was initially dominated by the superpower conflict between the USA and the USSR. A major part of the course concerns the impact of the Cold War on developments in Asia, Africa, the Middle East and Latin America.

HIST 2146 Making Modern Britain, 1760-1914

Prerequisite: Six credits of History at the 1000 level or 24 credits completed.

Antirequisite: HIST 2405

Hours: Three hours of lecture per week for one term.

Credits: 3

Students explore the issues and events dating from the mid-18th century that transformed Britain from an agricultural and commercial nation into the largest industrial and global economy of the early 20th century. Themes include social order and the agrarian revolution, industrialization, urban expansion, the rise of the middle class, political reform and imperialism.

HIST 2156 Honour and Worship in Europe, 1400–1600: Ritual, Status, and Culture

Prerequisite: Six credits of History at the 1000 level or 24 credits completed.

Antirequisite: HIST 2155

Hours: Three hours of lecture per week for one term.

Credits: 3

Students study European artistic and popular culture of the 15th and 16th centuries (including literature, visual art, and music) to explore the ways that culture communicated social status, religious faith and political power in this period.

HIST 2157 Dealing with Diversity in Europe, 1600–1800: Tolerance and Intolerance

Prerequisite: Six credits of History at the 1000 level or 24 credits completed.

Antirequisite: 2155

Hours: Three hours of lecture per week for one term.

Credits: 3

Students explore the different ways that European states and communities either accommodated or suppressed religious and social difference, in a period when European expansion exposed more Europeans to the non-European world than ever before.

HIST 2166 Survival: Canada in Global Environmental History

Prerequisite: Six credits of History at the 1000 level or 24 credits completed.

Antirequisite: HIST 2275, HIST 3275 and HIST 3277

Hours: Three hours of lecture per week for one term.

Credits: 3

While historians have traditionally ignored it, nature is a player in history, setting out the possible means of survival available to any particular time and culture. Students will consider ways in which peoples in northern North America have shaped nature in order to ensure their survival, and ways in which nature has shaped the variety of societies existing in this place since the last ice age. The global history of key human-nature interactions -- from hunting, fishing, and farming to industrialization -- and their development in the northern North American context, will be considered. Students will gain an understanding of the fundamental environmental bases of Canadian and global history.

HIST 2226 The Making of Modern Europe: From Revolution to Total War 1789-1914

Prerequisite: Six credits of History at the 1000 level or 24 credits completed.

Antirequisite: HIST 2115

Hours: Three hours of lecture per week for one term.

Credits: 3

Students consider developments in European history over the span of the “long 19th century” from 1789-1914. Among the principal events examined are the French Revolution and its consequences, industrialization, the rise of nationalism, liberalism, socialism and Imperialism. Students gain a foundational understanding of the rise of European hegemony.

HIST 2227 The Making of Modern Europe: From Total War to Revolution 1914 – 1991

Prerequisite: Six credits of History at the 1000 level or 24 credits completed.

Antirequisite: HIST 2115

Hours: Three hours of lecture per week for one term.

Credits: 3

Students consider the developments in European history over the span of the “short 20th century” from 1914-1991. Among the principal events examined are the century’s two total wars, the Russian Revolution and its consequences, the rise of communism and fascism, the Cold War and the end of empires. Students gain a foundational understanding of the decline of European hegemony.

HIST 2366 Family and Society in Canada

Prerequisite: Six credits of History at the 1000 level or 24 credits completed.

Hours: Three hours of lecture per week for one term.

Credits: 3

Students examine the social changes in Canada from the time of European settlement to the late twentieth century through an exploration of the family and its role in society.

HIST 2516 An Introduction to American History

Prerequisite: Six credits of History at the 1000 level or 24 credits completed.

Antirequisite: HIST 2515

Hours: Three hours of lecture per week for one term.

Credits: 3

American history is largely a debate over what it means to be American. Students engage this debate by studying the major events and themes of the American past and exploring how different groups accommodated the forces of change. Students consider how various peoples accepted and resisted institutional change, cultural and social development, and political evolution from Raleigh to Reagan, from colonies to Cold War.

HIST 2517 Race and Racism in America

Prerequisite: Six credits of History at the 1000 level or 24 credits completed.

Hours: Three hours of lecture per week for one term.

Credits: 3

The American past has been shaped in part by the construction of racial categories. Whether to colonize, enslave, disenfranchise, or resist one another, the peoples of the Americas often used perceptions of racial difference to justify their actions. Students explore how these perceptions influenced American society, culture, and politics from pre-Columbian times to the election of Barack Obama.

HIST 3036 Topics in the History of Canadian Culture and Identity

Prerequisite: 12 credits of History or Culture at the 1000 and 2000 level.

Hours: Three hours of lecture per week for one term.

Credits: 3

This course will examine questions of Canadian identity and culture from both a national and a regional perspective, particularly the Muskokas and Northern Ontario. Topics will include such issues as the role of WWI in Canadian identity, radio broadcasting, and cultural nationalism, but the course will focus on exploring the links between this region and the larger Canadian story, as in the case of the Group of Seven, outdoor recreation and tourism, Grey Owl, and Stephen Leacock.

HIST 3106 Modern France

Prerequisite: 12 credits of History at the 1000 and 2000 level.

Antirequisite: HIST 2506

Hours: Three hours of lecture per week for one term.

Credits: 3

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 3116 Topics in European or World History I

Prerequisite: 12 credits of History at the 1000 and 2000 level.

Antirequisite: HIST 2116

Hours: Three hours of lecture and discussion per week for one term.

Credits: 3

This course will focus on some aspect of European or World History. The content of this course will vary from year to year.

HIST 3117 Topics in European or World History II

Prerequisite: 12 credits of History at the 1000 and 2000 level.

Antirequisite: HIST 2117

Hours: Three hours of lecture and discussion per week for one term.

Credits: 3

This course will focus on some aspect of European or World History. The content of this course will vary from year to year.

HIST 3126 Topics in European or World History III

Prerequisite: 12 credits of History at the 1000 and 2000 level.

Antirequisite: HIST 2126

Hours: Three hours of lecture and discussion per week for one term.

Credits: 3

This course will focus on some aspect of European or World History. The content of this course will vary from year to year. Topic: Summer: Intellectual and Cultural Theory of 19th Century Europe.

HIST 3127 Topics in European or World History IV

Prerequisite: 12 credits of History at the 1000 and 2000 level.

Antirequisite: HIST 2127

Hours: Three hours of lecture and discussion per week for one term.

Credits: 3

This course will focus on some aspect of European or World History. The content of this course will vary from year to year.

HIST 3136 Selected Topics in Women's History

Prerequisite: 12 credits of History at the 1000 and 2000 level.

Antirequisite: HIST 2246

Hours: Three hours of lecture per week for one term.

Credits: 3

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 3137 Crusade and Jihad

Prerequisite: 12 credits of History at the 1000 and 2000 level.

Antirequisite: HIST 3116 if taken in FW08 or FW11

Hours: Three hours of lecture per week for one term.

Credits: 3

The concepts of "Crusade" and "Jihad" are important aspects of Christianity and Islam and their relations with each other. Students examine the key period between 1050 and 1300 when wars in the Middle East helped shape these concepts and discuss

military, political and ideological developments and how these have affected the medieval and modern world.

HIST 3196 Canada in the Twentieth Century: Selected Problems

Prerequisite: 12 credits of History at the 1000 and 2000 level.
Hours: Three hours of lecture per week for one term.
Credits: 3

An examination of the main trends in twentieth century Canada.

HIST 3206 Furs, Fords and Free Trade: Business in Canadian History

Prerequisite: 12 credits of History at the 1000 and 2000 level.
Hours: Three hours of lecture per week for one term.
Credits: 3

This course examines Canadian business history from the first exchange of goods between the Aboriginal and European peoples to the present, with an emphasis on the 19th and 20th centuries. Major themes include Canadian business in continental, trans-Atlantic, and global economic systems; the role of the state in promoting and regulating Canadian businesses; labour relations; technology in Canadian business history; and business as a force in Canada's political, economic, and social development.

HIST 3217 Topics in Nineteenth Century Canadian History

Prerequisite: 12 credits of History at the 1000 and 2000 level.
Hours: Three hours of lecture per week for one term.
Credits: 3

The content of this course may vary from year to year but will examine some aspect of the history of Canada in the 19th century from a social, cultural, political or economic perspective. The course will be thematic rather than regional but may focus on a particular event such as the War of 1812, the Rebellions or Confederation. Themes such as religion, immigration, transportation, gender relations, rural life or the seasonal round may be explored.

HIST 3226 Topics in Canadian Regional History

Prerequisite: 12 credits of History at the 1000 and 2000 level.
Hours: Three hours of lecture per week for one term.
Credits: 3

This course will explore the notion of limited identities in the Canadian context by focusing on one of Canada's regions (excluding Ontario) or by taking a comparative approach focusing on two or more regions.

HIST 3236 Slavery in the Americas

Prerequisite: 12 credits of History at the 1000 and 2000 level.
Hours: Three hours of lecture per week for one term.
Credits: 3

The course will examine the rise and fall of slavery in the Americas. Slavery in the Caribbean and Brazil will be considered, but special attention will be placed on slavery in the North American context. Students will also learn about the Atlantic Slave trade.

HIST 3246 History of Quebec Since 1760

Prerequisite: 12 credits of History at the 1000 and 2000 level.
Hours: Three hours of lecture per week for one term.
Credits: 3

This course is a survey of the political, social, economic and cultural history of the Province of Québec since 1760.

HIST 3256 History of Ontario: Selected Topics I

Prerequisite: 12 credits of History at the 1000 and 2000 level.
Hours: Three hours of lecture per week for one term.
Credits: 3

This course examines social, political and/or economic issues in one or more of Upper Canada, Canada West or nineteenth century Ontario.

HIST 3257 History of Ontario: Selected Topics II

Prerequisite: 12 credits of History at the 1000 and 2000 level.
Hours: Three hours of lecture per week for one term.
Credits: 3

This course examines social, political and/or economic issues in one or more of twentieth century Ontario, Ontario since 1945 and/or Northern Ontario. This course may be credited towards Native Studies.

HIST 3267 Food, Land and Subsistence in Human History

Prerequisite: 12 credits of History at the 1000 and 2000 level or GEOG 1016 or GEOG 1017
Antirequisite: HIST 3276 as offered in 2006-2007
Hours: Three hours of lecture per week for one term.
Credits: 3

This course will contextualize current worries about the environmental, supply, and health problems of the world food system by exploring the cultural and environmental history of food. The focus will be on food as a product of human-environment interaction through agriculture, humanity's main source of food and central form of interaction between humans and the rest of nature. Topics will include the origins of agriculture and food in the ancient and medieval world, but the course will focus on the development of a world food system in the 19th and 20th centuries.

HIST 3276 Topics in Environmental History

Prerequisite: 12 credits of History at the 1000 and 2000 level or GEOG 1016 or GEOG 1017.
Hours: Three hours of lecture per week for one term.
Credits: 3

The course will focus on some aspect of environmental history. The content of this course will vary from year to year.

HIST 3286 Taking Liberties: Human Rights in Canadian History

Prerequisite: 12 credits of History at the 1000 and 2000 level.
Hours: Three hours of lecture per week for one term.
Credits: 3

This course examines the ways that Canadians and their institutions have thought about, responded to, and dealt with issues of human rights in Canada from the 19th century to the present, with a focus on the transformation of a regime based on the protection of civil liberties into a system designed to protect a broader set of political, economic, and social rights by the late 20th century. The course examines issues as the sources of Canadians' rights and freedoms; evolving definitions of those rights and the protections afforded to them; and the tension inherent in balancing individual rights versus broader societal interests. This course may be credited towards Political Science.

HIST 3287 Canadian Working Class History

Prerequisite: 12 credits of History at the 1000 and 2000 level.
Hours: Three hours of lecture per week for one term.
Credits: 3

This course is designed to provide students with an overview of working class history in Canada from its earliest origins to the present. It will examine the transformation of work, the rise of scientific management, the introduction of new technologies into the workplace, and the history of the labour movement. It will also look at larger working-class communities in relation to race, gender, and class.

HIST 3326 New France

Prerequisite: 12 credits of History at the 1000 and 2000 level.

Hours: Three hours of lecture per week for one term.

Credits: 3

Through an examination of the history of the French colonization of North America, from the explorations of the sixteenth century to the cession of the colony to Great Britain in 1763, this course explores the origins and development of French-speaking communities in Canada and the United States. Topics include: the French discovery and exploration of North American spaces, the contexts of French overseas migration in the seventeenth century, the formation of colonial societies, French-Native relations, the evolution of urban and rural society and landscapes, and the trauma of the British conquest.

HIST 3346 First Nations in Historical Perspective

Prerequisite: 12 credits of History at the 1000 and 2000 level.

Antirequisite: HIST 2346 and HIST 2345

Hours: Three hours of lecture per week.

Credits: 3

This course examines the First Nations in North America and their interaction with European colonial and later national governments and society. This course may be credited towards Native Studies.

HIST 3355 History of Women in Canada

Prerequisite: 12 credits of History at the 1000 and 2000 level or GEND 1025

Antirequisite: HIST 3356

Hours: Three hours of lecture per week.

Credits: 6

This course examines the history of women in Canada from the time of European settlement to the twentieth century. Women's roles in both the private and the public sphere are examined. The diversity of women's experience based on region, class and ethnicity (or race) is also explored. Class discussions focus 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.

HIST 3357 British North America

Prerequisite: 12 credits of History at the 1000 and 2000 level.

Hours: Three hours of lecture per week for one term.

Credits: 3

This course explores the history of British colonialism in North America, with a particular focus on the century between the 1760s, when Great Britain added New France to its North American possessions, and the 1860s, when the Dominion of Canada was formed by four of its remaining colonies. Topics include: the British Atlantic world in the eighteenth century, the conquest of New France, relations with Aboriginal nations, the War of American Independence, immigration, settlement, state formation, constitutional change, the Rebellions of 1837-38, and the transition to industrial capitalism.

HIST 3406 Themes in the Social History of Modern Britain

Prerequisite: 12 credits of History at the 1000 and 2000 level.

Hours: Three hours of lecture and discussion per week for one term.

Credits: 3

The course examines the social history of Britain from the eighteenth to the twentieth century. Topics may include the history of the family and gender relations; rural and urban material life, crime, punishment and the law; leisure, consumption and popular culture; religion, education and literacy; race, immigration and national identity; and the impact of social reform policies. Reading and lectures consider the ways that individual and collective experience was mediated by class, gender and ethnicity leading to an understanding of the diversity and complexity of British society in the past.

HIST 3416 War and Peace: The Making of the International System from 1648 to 1919

Prerequisite: 12 credits of History at the 1000 and 2000 level.

Hours: Three hours of lecture per week for one term.

Credits: 3

This course examines the political, military, diplomatic, legal, philosophical, technological, economic, ideological and cultural forces that shaped the international system from the Treaty of Westphalia in 1648 to the Paris Peace Conference of 1919. It considers the impact of war-making and peace-making on the states and societies of this period and explores the relationship between foreign and domestic policy.

HIST 3417 War and Peace in the Twentieth Century

Prerequisite: 12 credits of History at the 1000 and 2000 level.

Hours: Three hours of lecture per week for one term.

Credits: 3

This course considers the impact of war-making and peace-making on the states and societies of this period and explores the relationship between foreign and domestic policy. A primary focus of the course will be the two world wars of the 20th century and the peace-settlements that followed each of these conflicts. This course examines the political, military, diplomatic, legal, philosophical, technological, economic, ideological and cultural forces that make war possible, and peace fragile.

HIST 3425 History of Medieval England

Prerequisite: 12 credits of History at the 1000 and 2000 level.

Antirequisite: HIST 2425

Hours: Three hours of lecture per week.

Credits: 6

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 3426 England 1460-1560

Prerequisite: 12 credits of History at the 1000 and 2000 level.

Antirequisite: HIST 3126 as offered in 2007-2008

Hours: Three hours of lecture per week for one term.

Credits: 3

This course explores the history of England during the century preceding the accession of Elizabeth I and the initial settlements establishing the reformed Church of England, including the reign of Henry VIII and the English Reformation. Religious, economic, political and demographic change are all considered, setting

England in the context of the other British polities and the wider European scene.

HIST 3427 Britain 1560-1660

Prerequisite: 12 credits of History at the 1000 and 2000 level.

Antirequisite: HIST 3127 as offered in 2007-2008

Hours: Three hours of lecture per week for one term.

Credits: 3

This course explores the history of Britain during the century between the initial settlements establishing the reformed Church of England and the end of the Interregnum, including the reign of Elizabeth I and the early Stuarts, the Civil Wars and English Revolution. Religious, economic, political and demographic change are all considered, setting England in the context of the other British polities and the wider European scene.

HIST 3436 History of Women in Modern Western Europe

Prerequisite: 12 credits of History at the 1000 and 2000 level or GEND 1025.

Hours: Three hours of lecture and in-class discussions per week per term.

Credits: 3

This course examines the history of women in Britain and/or Western Europe from approximately the eighteenth to the twentieth century. Thematic topics may include the history of women and work; the women's movement and political activism; women and philanthropy; women and sexuality; and women's experiences of marriage, motherhood and family life. Class, gender and ethnicity provide a mode of analysis to explore the diversity and complexity of women's lives in the historical past. This course may be credited towards Gender Equality and Social Justice.

HIST 3455 Canadian Urban History

Prerequisite: 12 credits of History at the 1000 and 2000 level.

Antirequisite: HIST 2355

Hours: Three hours of lecture per week.

Credits: 6

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 3515 Themes in American Social History

Prerequisite: 12 credits of History at the 1000 and 2000 level.

Hours: Three hours of lecture per week.

Credits: 6

This course will examine selected themes in American social history, especially issues relating to class, race and gender in the 19th and 20th century.

HIST 3567 Slavery and the American Civil War

Prerequisite: 12 credits of History at the 1000 and 2000 level

Hours: Three hours of lecture per week for one term.

Credits: 3

Slavery, the great American paradox, caused Americans to take up arms against one another in a civil war that ultimately cost over 600 000 lives. Students explore how slavery shaped the political, economic, and social fabric of the United States, as well as the particular events that caused and shaped the Civil War. They also consider the various ways historians have written about the "irrepressible conflict."

HIST 3576 America in the Colonial Era

Prerequisite: 12 credits of History at the 1000 and 2000 level.

Hours: Three hours of lecture per week for one term.

Credits: 3

This course is an examination of colonial North America from 1492 to 1775. The main focus will be Britain's American colonies, but these settlements will be examined within an Atlantic context. This course will examine the diversity of the colonial experience and will explore how different groups within colonial society accommodated the forces of change during this period. The course will look at institutional change, cultural development, and political evolution as various peoples faced them in the past. Themes treated in this course include contact and conflict, imperialism, slavery and ethnicity, society, politics, economy, political growth, regionalism, the Atlantic world, and gender.

HIST 3577 The American Revolution and Early Republic, 1763-1825

Prerequisite: 12 credits of History at the 1000 and 2000 level.

Hours: Three hours of lecture per week for one term.

Credits: 3

This course examines the passage of American society through the era of the Revolution and the early republic. Most broadly, the course is concerned with the causes of the Revolution, the ideological and social turmoil of the Revolutionary years, and finally the consequences of the extent and limits of this process, as the new republic – the first modern nation-state – began to forge stable political structures, a new cultural identity, and a position in the world order. The issues of colonialism, independence, social revolution, and nation-building will be explored in their specific American context with an eye toward their comparative, world-historical dimensions.

HIST 3605 Modern Germany (formerly HIST 2606)

Prerequisite: 12 credits of History at the 1000 and 2000 level.

Antirequisite: HIST 2605 and HIST 2606

Hours: Three hours of lecture/discussion per week

Credits: 6

This course examines modern German history from 1815 until Germany's reunification in 1990. The course begins in the post-Napoleonic period, but its focus is on the political, social, intellectual and cultural developments after 1871. Topics include the social and political development of German society under Bismarck; the failure of Wilhelmine foreign policy and the outbreak of WWI; the defeat of war and failed revolution in 1918; the politics of Weimar Germany; the rise of the Third Reich and Hitler's policies of war and genocide; the division and rebuilding of Germany under Adenauer and Ulbricht; the collapse of communism and reunification. In addressing these themes, the lectures and discussions aim to provide a critical understanding of German history (including the question of Germany's unique historical development) and its significance in shaping the history of Europe between 1870 and 1990.

HIST 3616 International History of the Cold War

Prerequisite: 12 credits of History at the 1000 and 2000 level.

Hours: Three hours of lecture per week for one term.

Credits: 3

This course will examine the International History of the Cold War as it shaped global politics from 1947 to 1989. Students will be asked to consider questions regarding the origins of the Cold War, its political, economic, ideological, cultural, and technological dimensions, the role of crisis decision-making, the role of states

and international organizations and the legacy of this global conflict. The Cold War in this multi-polar analysis is also part of the history of empire, neo-colonialism, anti-colonialism and nationalism with critical fronts of the conflict emerging in Africa, Asia, the Middle East, and Latin America.

HIST 3626 Interwar Europe: Fascism and the Radical Right, 1918-1945

Prerequisite: 12 credits of History at the 1000 and 2000 level.
Hours: Two hours of lecture and one hour of discussion per week for one term.
Credits: 3

This course will examine the various political, cultural, and social dimensions of European fascism during the interwar and war years (1918-1945). The course focuses primarily on German and Italian fascism, but also French, Spanish, Romanian, and Hungarian varieties. Lectures will stress comparative aspects of interwar and wartime fascism, emphasizing similarities and differences in fascist movements and regimes in their national contexts. Special attention will be paid to the differences between fascist movements and fascist regimes. The course will also examine the nature of fascist rule, the role of the dictator, race, gender, fascist economics and ideology, the role of militarization in fascist ideology, and the social bases of support. The aim of the course is to explore some of the basic interpretive problems concerning the definition and theory of fascism, whether there is such a thing as “generic fascism,” and how useful the term is for historical understanding.

HIST 3627 Post 1945 Europe

Prerequisite: 12 credits of History at the 1000 and 2000 level.
Hours: Two hours of lecture and one hour of discussion per week for one term.
Credits: 3

This course examines the history of Europe from the end of World War II in 1945 to the collapse of Communism in 1989-91. It provides a thematic and chronological survey of European politics, culture and society during this period. The course begins with an examination of the effects of two world wars on European society. Major themes of the course include the effects of World War II on postwar Europe, the division and reconstruction of Europe, and the economic miracle of the early postwar period, the women's movement of the 1960s, the turmoil of 1968, and the development of new political trends beginning in the 1970s. The aim of the course is to introduce students the most important events in the second half of the twentieth century.

HIST 3705 The Holocaust: Nazi Germany, World War II and the Genocide of European Jews

Prerequisite: 12 credits of History at the 1000 and 2000 level.
Hours: Two hours of lecture and one hour of seminar per week.
Credits: 6

During the Second World War the Nazis deliberately murdered two-thirds of Europe's Jews, approximately six million people according to the prosecutors and judges at the International Military Tribunal at Nuremberg. In surveying the history of this atrocity, this course explores Nazi policy toward the Jews in the context of German and European anti-Jewish and antisemitic ideology, modern bureaucratic structures, and the varying conditions of war, occupation and domination in Europe under the Third Reich. Particular attention will be paid to the evolution of the “Final Solution to the Jewish Question,” the role of specific institutions and non-German collaboration in the killing process, the motives of the perpetrators, and the reaction of the Jews to the persecution. The murder of European Jews continues to generate compelling

historical and interpretive questions. How did it come about? To what degree can an explanation be found in wider developments in German and European history and culture? What impact does the Holocaust have on the contemporary world? The ultimate goal of the course is to help students understand how and why the Holocaust happened.

HIST 3716 Russian History From Kievan Rus' to the Russian Revolutions of 1917

Prerequisite: 12 credits of History at the 1000 and 2000 level.
Antirequisite: HIST 2705
Hours: Three hours of lecture per week for one term.
Credits: 3

This course examines the emergence of Russia from its early formation in the Eastern Slav lands c.800, through the development of Kievan Rus' society, the experience of the Mongol Conquest, the rise of Muscovy, the expansion of the Russian state as a European and Asian power, the development of institutions such as serfdom and autocracy, and the emergence of Russia as major great power in the 19th century. The course culminates in an examination of the economic, political, cultural and social crises that urbanization, industrialization and international tensions created. It also closely examines the role of war and revolution that ultimately brought an end to the Romanov autocracy in 1917.

HIST 3717 Russian-Soviet History from 1917 to 1991

Prerequisite: 12 credits of History at the 1000 and 2000 level.
Antirequisite: HIST 2705
Hours: Three hours of lecture per week for one term.
Credits: 3

This course examines the Russian experience that emerged out of the violence and chaos of the Great War and witnessed two revolutions and an extended civil war. It examines the Soviet experience from its early revolutionary stages, through to the consolidation of a Leninist and then Stalinist regime that dramatically transformed social, economic, political and cultural structure of the Russian empire in the 1930s and made the USSR an important state until its demise in 1991. The role of the USSR both as a great power and a global anti-colonial power is a major theme explored here, particularly as Soviet power emerged following its victory in 1945 and was used throughout the history of the Cold War. The role of social, economic and political factors played during the period when Khrushchev, the Brezhnev generation and the Gorbachev generation held power will be closely examined and an effort will be made to examine how current Russian challenges have been shaped by these past experiences.

HIST 3805 History of Islamic Civilization

Prerequisite: 12 credits of History at the 1000 and 2000 level.
Antirequisite: HIST 2805
Hours: Three hours of lecture per week.
Credits: 6

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. This course may be credited towards Religions and Cultures.

HIST 3816 Canada in the World

Prerequisite: 12 credits of History at the 1000 and 2000 level.

Hours: Three hours of lecture per week for one term.

Credits: 3

This course examines Canada's relations with the international community since 1900. The course will trace the waning influence of Britain and the concomitant rise in US power on Canada's international relations, and identify the ways in which diplomatic, military, economic, and cultural factors shape the nation's foreign policy. Specific means of analyzing these developments – such as the liberal internationalist perspective, which emphasizes Canada's key role in building support for multilateralist organizations and approaches, and the peripheral dependence perspective, which represents Canada as a thoroughly constrained satellite of the US – will be presented and assessed. In so doing, students will grapple with ongoing and often heated debates about Canada's international role and identity: Is it best defined by the nation's efforts regarding foreign aid and economic development? Peacekeeping? Military force? Does Canada exercise much agency or influence in the international arena at all?

HIST 3817 The United States and the World

Prerequisite: 12 credits of History at the 1000 and 2000 level including HIST 2515

Hours: Three hours of lecture per week for one term.

Credits: 3

This course provides an overview of the rise of the United States from a relatively weak, isolationist 18th century state to the most dominant power in world history. Emphasis will be placed not only on the obvious manifestations of growing US influence abroad (including its unrivalled military power and unparalleled influence over international trade, diplomacy, culture and the media, etc.), but also on the ideological underpinnings of the changing notions of America's role in the world. As such, students will examine foundational conceptions of US foreign policy such as isolationism, Manifest Destiny, containment, détente, as well as the Monroe, Truman, and Bush doctrines. Various perspectives from the field of International Relations on the rise and nature of American power – including realist, liberal, and critical theorist – will be utilized and evaluated.

HIST 3926 History and Historians: Ideas and Methods

Prerequisite: 12 credits of History at the 1000 and 2000 level.

Antirequisite: HIST 3925

Hours: Three hours of lecture-seminar per week for one term.

Credits: 3

This is a lecture course for students in the History program and others with an interest in the historical discipline. As a survey of historical writing and the philosophy of history, the course examines several of the interpretations and research techniques utilized by historians. This course may be credited towards Philosophy.

HIST 3936 History of Sexuality in Western Societies I

Prerequisite: 12 credits in History or 12 credits in Gender Equality and Social Justice

Hours: Three hours of lecture per week for one term.

Credits: 3

How can sexuality be a historical subject? This course explores the significance of sexual desire and behaviour in Western societies from Classical Greece to the European Enlightenment. It critically examines historical evidence, whether for norms (in legal, religious, medical, and philosophical discourses), behaviour (in criminal, biographical and narrative sources) or subjective

experience. The course also takes apart the modern concept of “sexuality”, a complex product of social, psychological and physical phenomena, aiming at a sophisticated understanding of its validity for the analysis of premodern societies. This course may be credited towards Gender Equality and Social Justice.

HIST 3937 History of Sexuality in Western Societies II: Transformations of Modernity

Prerequisite: 12 credits of History or 12 credits of Gender Equality and Social Justice

Hours: Three hours of lecture per week for one term.

Credits: 3

How can sexuality be a historical subject? This course explores sexuality in aspects of Western history from the late sixteenth to the late twentieth century, taking into account norms, behaviour, and subjective experience. Particular focuses may include the role of sexuality in the European colonial enterprise, and the development of the modern concept of sexual identity. This course may be credited towards Gender Equality and Social Justice.

HIST 4015 Directed Studies

Prerequisite: Fourth year of a BA4 in History with 36 credits in History completed, with a minimum average of 70% 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

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.

HIST 4055 Research Project

Prerequisite: Fourth year of a BA4 in History with 36 credits in History completed, with a minimum average of 70% 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

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.

HIST 4185 Canada in the Twentieth Century

Prerequisite: Fourth year of a BA4 in History, completion of 30 credits in History, and a minimum average of 70% in History.

Hours: Three hours of lecture/seminar per week.

Credits: 6

This course examines the political, social, economic, and intellectual developments in Canada from 1896 to the present.

HIST 4225 Canadian Social History: Selected Themes

Prerequisite: Fourth year of a BA4 in History, completion of 30 credits in History, and a minimum average of 70% in History.

Hours: Three hours of lecture/seminar per week.

Credits: 6

This course examines immigration and settlement patterns, social structure, education and religion, and changing Canadian attitudes.

HIST 4255 Victoria's Britain: Gender, Class and Culture in the Age of Empire

Prerequisite: Fourth year of a BA4 in History, completion of 30 credits in History, and a minimum average of 70% in History.
Hours: Three hours of seminar per week.
Credits: 6

This seminar course invites students to move past the myths of nineteenth-century Britain and see the Victorians as they worked, thought and played. Thematic readings and discussions address a number of topics including the social order and class consciousness; the construction of gender roles and separate spheres; the Victorian church and social impact of evangelicalism; literacy and the education of the working class; popular responses to imperialism; and the developing importance of sport, leisure and the mass market for consumer goods.

HIST 4315 Topics in North American History

Prerequisite: Fourth year of a BA4 in History, completion of 30 credits in History, and a minimum average of 70% in History.
Hours: Three hours of seminar per week.
Credits: 6

Although the content of this course may vary from year to year, the course will examine topics in the history of North America from a cross-national comparative perspective. Contact the department for more information.

HIST 4325 Oral History

Prerequisite: Fourth year of a BA4 in History, completion of 30 credits in History, and a minimum average of 70% in History.
Hours: Three hours of seminar per week.
Credits: 6

This seminar course will introduce students to the methodologies and theories of oral history and memory theory. The assigned readings, class discussions, and assignments are designed to sharpen the critical reading, writing, and methodological skills of upper-level students. Through group discussion, practical exercise, and project development each student will develop an interview-based project with her or his peers. After receiving approval for the project from the Research Ethics Committee, Nipissing University, individual students will conduct three to five interviews for the group project, keep an oral history journal, write a term paper on the methodology and theory of Oral History, and transcribe one interview. As a group, students will draw together their research results for a public presentation and final report. With the consent of participants, all projects and interviews will be submitted to the Institute for Community Studies and Oral History at Nipissing University.

HIST 4335 Topics in American History

Prerequisite: Fourth year of a BA4 in History, completion of 30 credits in History, and a minimum average of 70% in History.
Hours: Three hours of lecture per week.
Credits: 6

This course offers a critical examination of selected issues in the history of the United States. Topics will vary from year to year, yet may include the African-American experience, women's history, and popular culture.

HIST 4375 Community History: Approaches, Sources and Methods

Prerequisite: Fourth year of a BA4 in History, completion of 30 credits in History, and a minimum average of 70% in History.
Hours: Three hours of lecture/seminar per week or equivalent.
Credits: 6

This is an applied course in which students will examine various approaches, sources and methods used in the writing of community histories and apply this knowledge to a project of their own. Students will be encouraged to develop innovative projects based on local sources, to present their work in non-traditional formats when suitable and to make their work available to future researchers through the Institute for Community Studies and Oral History.

HIST 4385 Gender in Canadian History

Prerequisite: Fourth year of a BA4 in History, completion of 30 credits in History, and a minimum average of 70% in History.
Antirequisite: HIST 4605 if taken in 2006-2007.
Hours: Three hours of seminar per week.
Credits: 6

Stretching from the 17th to the late-twentieth century, this course examines the dynamics of gender in Canadian History. As a tool for historical inquiry, gender encourages us to consider how people conceptualized of and experienced femininity and masculinity in the past. In seminars students will consider how scholars have interpreted the field of gender history, examine the diversity of Canadian women's and men's experiences, and pay particular attention to the themes of race/ethnicity, employment, class, sexuality, citizenship, and the family. While engaging with these topics, this course also has skill-based outcomes. Students will therefore be conducting primary-source research, participating in debate and discussion, reviewing historiography, and critiquing writing.

HIST 4425 The Era of the Renaissance

Prerequisite: Fourth year of a BA4 in History, completion of 30 credits in History, and a minimum average of 70% in History.
Hours: Three hours of lecture/seminar per week.
Credits: 6

European society and culture in the period of transition from medieval to modern times, 1300-1600 are studied. This includes an examination of social structures and social change, urban life and politics, education trends, art forms, religion and daily life.

HIST 4465 Family and Community History

Prerequisite: Fourth year of a BA4 in History, completion of 30 credits in History, and a minimum average of 70% in History.
Hours: Three hours of lecture per week.
Credits: 6

This course examines the history of family and community broadly defined from the 18th to the 20th century. Course content is focused on, but not necessarily limited to, the Canadian context. Themes examined may include: family and household structure, courtship and marriage, life cycles (childhood, adolescence, old age), family roles, kinship, family celebrations and domestic occasions, the creation of community, social networks and structures, voluntary-based communities, and community celebrations.

HIST 4485 Environmental History

Prerequisite: Fourth year of a BA4 in History, completion of 30 credits in History, and a minimum average of 70% in History.
Hours: Three hours of seminar per week.
Credits: 6

This course will focus on a selected topic(s) of contemporary importance in the field of environmental history. Possible topics include food & agriculture; health, the body, and the environment; natural resources; lakes, rivers and human society; and colonialism and the environment. The course will explore environmental history as a sub-field of history, focusing on the challenge it poses to other, human-centered subfields of history. The course will also explore environmental history as an interdisciplinary field of study, including its links to historical geography and the environmental sciences.

HIST 4495 Britain in the Twentieth Century

Prerequisite: Fourth year of a BA4 in History, completion of 30 credits in History, and a minimum average of 70% in History.
Hours: Three hours of lecture/seminar per week.
Credits: 6

This seminar course addresses selected themes in the history of twentieth century Britain, including war and society, class and gender relations, leisure, work and popular culture, and the 20th century empire, race and decolonization. Weekly readings and written assignments expose students to a variety of sources, including secondary and primary texts, films, photographs and ephemera in an attempt to understand the nature of Britain's apparent decline and political resilience in the 20th century.

HIST 4505 Topics in Medieval History

Prerequisite: Fourth year of a BA4 in History, completion of 30 credits in History, and a minimum average of 70% in History.
Hours: Three hours of lecture per week.
Credits: 6

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 4605 Special Topics

Prerequisite: Fourth year of a BA4 in History, completion of 30 credits in History, and a minimum average of 70% in History.
Hours: Three hours of lecture/seminar per week.
Credits: 6

The seminar topics lie in the professor's field of specialization. This is not an individualized study course.

HIST 4615 Special Topics

Prerequisite: Fourth year of a BA4 in History, completion of 30 credits in History, and a minimum average of 70% in History.
Hours: Three hours of lecture/seminar per week.
Credits: 6

The seminar topics lie in the professor's field of specialization. This is not an individualized study course.

HIST 4625 Special Topics

Prerequisite: Fourth year of a BA4 in History, completion of 30 credits in History, and a minimum average of 70% in History.
Hours: Three hours of lecture/seminar per week.
Credits: 6

The seminar topics lie in the professor's field of specialization. This is not an individualized study course.

HIST 4655 Western Europe in the Nineteenth and Twentieth Centuries

Prerequisite: Fourth year of a BA4 in History, completion of 30 credits in History, and a minimum average of 70% in History.
Hours: Three hours of lecture per week.
Credits: 6

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 4665 Twentieth Century International History to 1953

Prerequisite: Fourth year of a BA4 in History, completion of 30 credits in History, and a minimum average of 70% in History.
Hours: Three hours of lecture/discussion per week.
Credits: 6

Among the topics that may be examined in this course are the origins, course, and consequences of the two world wars, the impact of the Russian revolution on the international system, the role of international law and international organizations, and the foreign policies of the major European and Asian states, the emergence of the US and USSR as global powers, the politics of the early Cold war and decolonization, and the relationship between foreign and domestic politics.

HIST 4675 International History of the Cold War

Prerequisite: Fourth year of a BA4 in History, completion of 30 credits in History, and a minimum average of 70% in History.
Hours: Three hours of lecture/discussion per week.
Credits: 6

Among the topics that may be examined in this course are the global impact of the Second World War and its role in the origins of the Cold War, the causes and consequences of a divided Europe, Stalinization and de-stalinization, the Anglo-American relationship, the impact of the Cold War on political culture, the importance of the anti-colonial and non-aligned movement in the Cold War, the role of international law, the UN and other international organizations, the hot wars of the Cold War, the politics of the nuclear arms race, the intelligence war, the Gorbachevshchina and the end to the Cold War.

HIST 4725 The Age of Enlightenment

Prerequisite: Fourth year of a BA4 in History, completion of 30 credits in History, and a minimum average of 70% in History.
Hours: Three hours of lecture/seminar per week.
Credits: 6

This course examines the intellectual, social, political, economic and religious development of Europe in the age of enlightenment.

HIST 4775 Twentieth Century Crises in Historical Perspective

Prerequisite: Fourth year of a BA4 in History, completion of 30 credits in History, and a minimum average of 70% in History.
Hours: Three hours of lecture/seminar per week.
Credits: 6

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.

HIST 4805 War and Genocide in the Twentieth Century

Prerequisite: Fourth year of a BA4 in History, completion of 30 credits in History, and a minimum average of 70% in History.
Hours: Three hours of lecture/discussion per week.
Credits: 6

This course examines the connection between war and genocide in the twentieth century. The course begins with an examination of the crime of genocide as it was defined by the United Nations in 1948. The definition is used as a demarcation point to further examine the question “what is genocide and how and why does it occur.” The Nazi ‘Final Solution’ may be used as the major example of genocide in the twentieth century in order to better understand the crime as it was originally defined. Selected topics will be examined from a variety of perspectives in order to understand modern genocide. The objective of this course is to offer students a critical understanding of the brutalizing effects of modern war and its links to state sponsored genocide in the years leading up to and including WWII. This is a reading intensive course.

HIST 4815 The Third Reich

Prerequisite: Fourth year of a BA4 in History, completion of 30 credits in History, and a minimum average of 70% in History.
Hours: Three hours of lecture/discussion per week.
Credits: 6

This course examines the history of modern Germany during the first half of the twentieth century in an attempt to determine the place of Hitler and the Third Reich in relation to the German past and present. The course begins with an examination of the establishment of the Weimar Republic (1918) followed by its collapse and the simultaneous rise of Nazism in the late 1920s and early 1930s. Selected topics will include the rise of National Socialism in Weimar Germany, the Nazi “seizure of power,” Nazi ideology, the leadership role of Adolf Hitler, collaboration and resistance, and the Nazi Holocaust. These and other topics will be examined from a variety of perspectives in order to understand this disturbing episode in the history of the twentieth century. This is a reading intensive course.

Graduate Courses

HIST 5006 Methods in Historical Research I

Prerequisite: Restricted to students registered in the Master of Arts in History.
Credits: 3

This course will explore recent historiographical trends and various methodologies and theoretical perspectives in a broad area of historical study.

HIST 5007 Methods in Historical Research II

Prerequisite: Restricted to students registered in the Master of Arts in History.
Credits: 3

In this team-taught course students will explore the historical literature relevant to their particular area of interest and prepare and present publicly a research proposal for their Major Research Paper.

HIST 5106, 5107, 5116, 5117 Canadian History

Prerequisite: Restricted to students registered in the Master of Arts in History.
Credits: 3

In this course students will explore themes in Canadian history. Course offering and content will vary from year to year according to the instructor’s research interest and expertise.

HIST 5206, 5207, 5216, 5217 European History

Prerequisite: Restricted to students registered in the Master of Arts in History.
Credits: 3

In this course students will explore themes in European history. Course offering and content will vary from year to year according to the instructor’s research interest and expertise.

HIST 5306, 5307, 5316, 5317 International History

Prerequisite: Restricted to students registered in the Master of Arts in History.
Credits: 3

In this course students will explore themes in International history. Course offering and content will vary from year to year according to the instructor’s research interest and expertise.

HIST 5406, 5407, 5416, 5417 Gender History

Prerequisite: Restricted to students registered in the Master of Arts in History.
Credits: 3

In this course students will explore themes in Gender history. Course offering and content will vary from year to year according to the instructor’s research interest and expertise.

HIST 5506 Directed Studies

Prerequisite: Permission of the History Graduate Advisor.
Credits: 3

This is an individualized study course which allows students to explore the historiography of a subject area other than that presented in the field courses offered.

HIST 5995 Major Research Paper

Prerequisite: Restricted to students registered in the Master of Arts in History.
Credits: 6

In this course completion of a Major Research Paper (MRP) is required. The MRP will be approximately 50 pages in length. The research project must be approved by the supervisory committee. The paper must demonstrate primary research or an original historiographical approach and must be defended before an examination committee.

Law and Justice Courses

JURI 2436 Environmental Law I

Prerequisite: No prerequisite.
Restrictions: 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

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.

JURI 2506 Property Law

Prerequisite: CRJS 2206 (formerly JURI 2206)

Hours: Three hours of lecture per week for one term.

Credits: 3

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.

JURI 3436 Environmental Law II

Prerequisite: JURI 2436

Restrictions: 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

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.

Marketing Courses

For course descriptions please see the Business courses area within this section of the Academic Calendar.

Mathematics Courses

MATH 1036 Calculus I

Prerequisite: MCV4U or MCB4U or OAC Calculus or MATH 1912

Antirequisite: MATH 1035

Hours: Three hours of lecture and two hours of tutorial per week for one term.

Credits: 3

Topics include: the real number system; algebra of functions; limits and continuity; inverse functions; differentiation; the intermediate value theorem; the mean value theorem; differentiation of transcendental functions; L'Hospital's rules; curve sketching; and applications of the derivative.

MATH 1037 Calculus II

Prerequisite: MATH 1036

Antirequisite: MATH 1035

Hours: Three hours of lecture and two hours of tutorial per week for one term.

Credits: 3

Topics include: the definite integral; the fundamental theorem of calculus; integration of transcendental functions; the substitution rule; techniques of integration; applications of the integral;

improper integrals; and a short introduction to ordinary differential equations, infinite series and partial differentiation.

MATH 1046 Introductory Linear Algebra

Prerequisite: MCV4U or MGA4U or OAC Algebra and Geometry or MATH 1911 or MATH 1912

Hours: Four hours of lecture per week for one term.

Credits: 3

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.

MATH 1056 Discrete Mathematics I

Prerequisite: Any 4U or OAC Mathematics or MATH 1911 or MATH 1912

Hours: Four hours of lecture per week for one term.

Credits: 3

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.

MATH 1070 Fundamentals of Arithmetic for Teachers

Prerequisite: Any 4U or OAC Mathematics or MATH 1911 or MATH 1912

Restrictions: MATH 1070 may not be credited towards a major or a minor in mathematics.

Hours: Three hours of lecture and one hour of tutorial per week.

Credits: 6

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.

MATH 1257 Technical Statistics

Prerequisite: No prerequisite.

Restrictions: This is an introductory statistics course. A student in a degree program cannot retain credit for more than nine credits of introductory statistics courses.

Hours: Three hours of lecture and two hours of laboratory work per week for one term.

Credits: 3

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.

MATH 1911 Finite Mathematics

Restrictions: MATH 1911 may not be credited towards a major, minor, or liberal program in Mathematics.

Antirequisite: MCV4U, MCB4U, OAC Finite Mathematics

Hours: Four hours of lecture per week for one term.

Credits: 3

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.

MATH 1912 Elementary Calculus

Restrictions: MATH 1912 may not be credited towards a major, minor, or liberal program in Mathematics.

Antirequisite: MCV4U, MCB4U, OAC Calculus

Hours: Four hours of lecture per week for one term.

Credits: 3

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.

MATH 1922 Mathematics of Data Management

Prerequisite: No prerequisite.

Restrictions: MATH 1922 may not be credited towards a major, minor, or liberal sequence in Mathematics.

Antirequisite: MDM4U or equivalent.

Hours: Three hours of lecture and one hour of tutorial per week for one term.

Credits: 3

In this course, students will solve counting problems using Venn diagrams and by applying additive and multiplicative counting principles. Students will use matrices for organizing and analyzing data, as well as to solve problems from a variety of applications. Students will solve problems involving permutations and combinations, use counting techniques and the binomial theorem to determine probabilities, and solve problems involving the normal distribution.

MATH 2036 Advanced Calculus I

Prerequisite: MATH 1037

Hours: Three hours of lecture per week for one term.

Credits: 3

Sequences; convergence; series; power series; Taylor series; and introduction to first- and second-order differential equations.

MATH 2037 Advanced Calculus II

Prerequisite: MATH 1037

Hours: Three hours of lecture per week for one term.

Credits: 3

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.

MATH 2046 Advanced Linear Algebra I

Prerequisite: MATH 1046

Antirequisite: MATH 2057

Hours: Three hours of lecture per week for one term.

Credits: 3

A continuation of MATH 1046, 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.

MATH 2056 Discrete Mathematics II

Prerequisite: MATH 1056

Hours: Three hours of lecture per week for one term.

Credits: 3

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.

MATH 2076 Probability & Statistics I

Prerequisite: MATH 1037

Restrictions: This is an introductory statistics course. A student in a degree program cannot retain credit for more than nine credits of introductory statistics courses.

Hours: Three hours of lecture and one hour of tutorial per week for one term.

Credits: 3

Students explore the following topics: 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; generating functions; characteristic functions; moments; compound distributions; Markov chains and their limiting probabilities.

MATH 2116 Geometry

Prerequisite: MATH 1056

Hours: Three hours of lecture per week for one term.

Credits: 3

A general survey of Euclidean, non-Euclidean and projective geometries; axiomatic systems; transformations; and symmetry.

MATH 2216 Introduction to Computational Geometry

Prerequisite: MATH 1036 and COSC 1557

Antirequisite: COSC 2216

Hours: Three hours of lecture per week for one term.

Credits: 3

The course is an introduction to a broad field of computational geometry. It begins with introduction of the concept of an algorithm, its complexity, data structures, and some implementation methods. Next, a number of classical problems, originated from practice will be discussed. In particular, motivating examples will be presented to familiarize students with various applications of computational geometry, including geography (GIS), engineering (CAD/CAE), game design, robotics, graphics, and simulation. Several algorithms dealing with problems in Euclidean plane, such as convex hull, segment intersection, and triangulation algorithms, will be considered in details. The course involves extensive use of computer software. Students taking this course are expected to have basic computer skills.

MATH 2306 History of Mathematics

Prerequisite: An 4U/OAC mathematics course or equivalent.

Hours: Three hours of lecture per week for one term.

Credits: 3

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 2386 Problem Solving

Prerequisite: MATH 1037, MATH 1046, and MATH 1056

Hours: Three hours of lecture per week for one term.

Credits: 3

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 3126 Number Theory

Prerequisite: MATH 1056

Hours: Three hours of lecture per week for one term.

Credits: 3

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 3127 Combinatorics & Graph Theory

Prerequisite: MATH 2056

Hours: Three hours of lecture per week for one term.

Credits: 3

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 3136 Real Analysis I

Prerequisite: MATH 2036

Antirequisite: MATH 3036

Hours: Three hours of lecture per week for one term.

Credits: 3

The real number system; sequences and limits; continuity; topology of the real line; theory of differentiation; and the Riemann integral.

MATH 3137 Real Analysis II

Prerequisite: MATH 3136

Hours: Three hours of lecture per week for one term.

Credits: 3

A continuation of MATH 3136, 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 3146 Complex Analysis I

Prerequisite: MATH 2036 and MATH 2037

Antirequisite: MATH 3046

Hours: Three hours of lecture per week for one term.

Credits: 3

Introduction to complex variables; complex functions; limits and continuity; derivatives; the Cauchy-Reimann equations; residues; and contour integration.

MATH 3156 Algebra I

Prerequisite: MATH 2056

Antirequisite: MATH 3056

Hours: Three hours of lecture per week for one term.

Credits: 3

An introduction to abstract algebraic systems, including: partially ordered sets; lattices; Boolean algebras; monoids; and a detailed study of groups.

MATH 3157 Algebra II

Prerequisite: MATH 3156 Hours: Three hours of lecture per week for one term.

Credits: 3

Rings; ideals and quotient rings; fields; integral domains; polynomial rings; vector spaces and modules; extension fields; and linear transformations.

MATH 3166 Topology

Prerequisite: MATH 3136

Hours: Three hours of lecture per week for one term.

Credits: 3

Topological spaces; compactness and connectedness; continuous functions; Tychonoff’s theorem; separation axioms; Urysohn and Tietz theorems; homotopy; fundamental group; and covering spaces.

MATH 3216 Advanced Computational Geometry

Prerequisite: MATH 2046, MATH 2056, MATH 2216, COSC 2206

Antirequisite: COSC 3216

Hours: Three hours of lecture per week for one term.

Credits: 3

The main focus of the course is on the design and implementation of efficient algorithms for solving various geometric problems. Most of algorithms considered deal with either plane or 3-dimensional space. Topics include convex hulls, triangulations, Voronoi diagrams, robot motion planning, and geometric data structures. Computational complexity and (in some cases) optimality is discussed for each algorithm. Randomized algorithms are also considered. Rigorous mathematical proofs are an important ingredient of the exposition. Applications of computational geometry comprise one of the course objectives. Students will be expected to implement some of the algorithms in the form of a course project.

MATH 3256 Operations Research

Prerequisite: MATH 1037, MATH 1046

Hours: Three hours of lecture per week for one term.

Credits: 3

The course introduces the various applications of mathematical modeling, statistical analysis, and optimization to decision making in business and industry. Topics include linear and non-linear optimization, network optimization models, scheduling problems, queuing models, Markov chains, simulation, stochastic models and others, as chosen by the instructor. The course includes a software component. Part of the course work includes completion of a project, which will be presented to the class.

MATH 3266 Differential Equations I

Prerequisite: MATH 2036

Antirequisite: MATH 3066

Hours: Three hours of lecture per week for one term.

Credits: 3

First order differential equations; difference equations; second and higher order linear differential equations with constant coefficients; Laplace transformations; and series solutions.

MATH 3267 Differential Equations II

Prerequisite: MATH 2037, MATH 2046 and MATH 3266

Hours: Three hours of lecture per week for one term.

Credits: 3

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 3276 Probability & Statistics II

Prerequisite: MATH 2076

Hours: Three hours of lecture per week for one term.

Credits: 3

Students explore the following topics: methods of data analysis and data presentation; sampling distributions; law of large numbers; central limit theorem; 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.

MATH 3286 Mathematics of Finance

Prerequisite: MATH 2076

Hours: Three hours of lecture per week for one term.

Credits: 3

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 3296 Mathematical Modeling

Prerequisite: MATH 2036, MATH 2037 and MATH 2076

Hours: Three hours of lecture per week for one term.

Credits: 3

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 3396 Selected Topics I

Prerequisite: Completion of core mathematics group.

Hours: Three hours of lecture per week for one term.

Credits: 3

An area of advanced mathematics which is not covered in any other course.

MATH 3397 Selected Topics II

Prerequisite: Completion of core mathematics group.

Hours: Three hours of lecture per week for one term.

Credits: 3

An area of advanced mathematics which is not covered in any other course.

MATH 4016 Numerical Methods II

Prerequisite: COSC 3006

Hours: Three hours of lecture per week for one term.

Credits: 3

Students study advanced concepts in numerical mathematics and computational problem-solving. Topics include numerical optimization, numerical integration and differentiation, linear algebra (especially eigenvalues and eigenvectors of matrices), numerical solutions to differential equations, and approximation. Concepts are motivated by realistic applications. Mathematical software is used to solve complex problems in applied mathematics. The course can be taught together with MATH 5016-Advanced Numerical Methods with the undergraduate students subject to different assignments and evaluation criteria than the graduate students.

MATH 4036 Measure Theory

Prerequisite: MATH 3137 or equivalent

Hours: Three hours of lecture per week for one term.

Credits: 3

Students study sigma-algebras and measures, Borel and Lebesgue measures on Euclidean spaces, measurable functions and integration, convergence theorems, signed measures and the Randon-Nikodym theorem, product measure and Fubini theorem. The course is taught together with MATH 5036-Measure Theory with the undergraduate students subject to different assignments and evaluation criteria than the graduate students.

MATH 4086 Functional Analysis

Prerequisite: MATH 4036

Hours: Three hours of lecture per week for one term.

Credits: 3

Students study topological vector spaces, Freshet spaces, the Banach-Steinhaus theorem, the open mapping and closed graph theorems, convexity, the Hahn-Banach theorems, Banach spaces and duality in Banach spaces, adjoints and compact operators, and Hilbert spaces. The course can be taught together with MATH 5086-Functional Analysis with the undergraduate students subject to different assignments and evaluation criteria than the graduate students.

MATH 4246 Optimization

Prerequisite: MATH 2037 and MATH 2046 (or their equivalents); or instructor's permission

Hours: Three hours of lecture per week for one term.

Credits: 3

Students are presented with a broad overview of linear, non-linear, continuous, discrete and combinatorial optimization methods and algorithms. Topics include Simplex method, duality, integer programming, branch-and-bound, local search, Barvinok polynomials, gradient methods, Lagrange multipliers, convex optimization, linear Diophantine equations, optimal network flows, bipartite matchings, and others as chosen by the instructor. The course can be taught together with MATH 5246 Optimization with the undergraduate students being subject to different assignments and evaluation criteria than the graduate students.

MATH 4496 Senior Research Project I

Prerequisite: Completion of core mathematics group; an Honours Specialization average of 75%; and approval of the department.

As departmental approval is required prior to registration, all students wishing to take this course during the following spring/summer or fall/winter session must apply to the department no later than February 15.

Credits: 3

An individualized studies course in which a senior student conducts research in a topic not specifically covered in other courses, under the supervision of a faculty member with expertise in that

area. Each student will be required to make oral presentations on their work to faculty and students at several seminar sessions held for this purpose, and to submit a final report, written in the format of a journal article. Normally restricted to honours mathematics students.

MATH 4497 Senior Research Project II

Prerequisite: Completion of core mathematics group; an Honours Specialization average of 75%; and approval of the department. As departmental approval is required prior to registration, all students wishing to take this course during the following spring/summer or fall/winter session must apply to the department no later than February 15.
Credits: 3

An individualized studies course in which a senior student conducts research in a topic not specifically covered in other courses, under the supervision of a faculty member with expertise in that area. Each student will be required to make oral presentations on their work to faculty and students at several seminar sessions held for this purpose, and to submit a final report, written in the format of a journal article. Normally restricted to honours mathematics students.

Graduate Courses

MATH 5036 Measure Theory

Prerequisite: MATH 3137 or equivalent.
Credits: 3

Sigma-algebras and measures, Borel and Lebesgue measures on Euclidean spaces, measurable functions and integration, convergence theorems, signed measures and the Randon-Nikodym theorem, product measure and Fubini theorem.

MATH 5056 Algebra

Prerequisite: MATH 3157 or equivalent.
Credits: 3

Groups, Sylow theorems, rings and modules.

MATH 5066 General Topology

Prerequisite: MATH 3166 or equivalent.
Credits: 3

Topological spaces, compactness and connectedness, separation axioms, Tychonov theorem, Stone-Cech compactification, complete metric spaces and Baire category.

MATH 5067 Introduction to Algebraic Topology

Prerequisite: MATH 5056 and MATH 5066
Credits: 3

Homotopy, fundamental group and the van Kampen theorem, covering spaces, fibrations and cofibrations, higher homotopy groups, CW-complexes and cellular approximation.

MATH 5086 Functional Analysis

Prerequisite: MATH 3137 or equivalent
Credits: 3

Topological vector spaces, Fréchet spaces, the Banach-Steinhaus theorem, the open mapping and closed graph theorems, convexity, the Hahn-Banach theorems, Banach spaces and duality in Banach spaces, adjoints and compact operators, Hilbert spaces.

MATH 5236 Advanced Numerical Methods

Credits: 3

This course is a presentation of advanced concepts in numerical mathematics and computational problem-solving. Topics include numerical optimization, numerical integration and differentiation, linear algebra (especially eigenvalues and eigenvectors of matrices), numerical solutions to differential equations, and approximation. Concepts will be motivated by realistic applications. Mathematical software will be used to solve complex problems in applied mathematics.

MATH 5237 Computational Topology

Prerequisite: MATH 5066
Credits: 3

Computational topology is the study of algorithms and methods for solving topological problems. This course is an introduction to this emerging area. Topics include the topology of cell complexes, homology, discrete differential geometry, and topological data analysis. Concepts will be motivated through practical applications in biology, imaging, curve and surface reconstruction from point clouds, high-dimensional data analysis, motion planning, clustering, combinatorial optimization, and problem solving using mathematical software.

MATH 5246 Optimization

Prerequisite: MATH 2037, MATH 2046 or their equivalents, or instructor's permission
Credits: 3

The course will present students with a broad overview of linear, non-linear, continuous, discrete and combinatorial optimization methods and algorithms. Topics include Simplex method, duality, integer programming, branch-and-bound, local search, Barvinok polynomials, gradient methods, Lagrange multipliers, convex optimization, linear Diophantine equations, optimal network flows, bipartite matchings, and others as chosen by the instructor

MATH 5247 Cryptography and Coding Theory

Prerequisite: MATH 3126 or equivalent, or instructor's permission
Credits: 3

Comprehensive discussion of the mathematical foundations of cryptography and cryptanalysis, and the most widely used modern cryptosystems and algorithms.

Topics include public key encryption, digital signatures, RSA, Diffie-Hellman, El Gamal and elliptic curve based cryptography, cryptanalytic attacks against them, Shor's Algorithm, quantum cryptography and others as chosen by the instructor.

MATH 5256 Graph Theory

Prerequisite: MATH 3127 or equivalent, or instructor's permission
Credits: 3

The course presents a comprehensive study of the classical Graph Theory and the algorithmic problems arising from it. Topics include connectivity and planarity, Kuratowski theorem, factorizations and decompositions, Hamiltonian cycles, shortest and longest paths, Traveling Salesman Problem, vertex and edge colourings, Ramsey numbers, Folkman numbers, Turan theorem, Erdos-Szekeres theorem, isomorphism, extremal graph theory and others as chosen by the instructor.

MATH 5406 Complex Analysis

Prerequisite: MATH 3137 and MATH 3146 or equivalent.

Credits: 3

Conformal mapping, Riemann mapping theorem, Laurent's Series, representation of entire functions and meromorphic functions.

MATH 6101 Selected Topics in Pure Mathematics

Prerequisite: Permission of the faculty

Credits: 3

Faculty or visiting faculty will teach a recent research topic in one of the areas of: algebra, analysis, functional analysis or topology. This course may be offered as a reading course.

MATH 6201 Selected Topics in Computational Mathematics

Prerequisite: Permission of the faculty

Credits: 3

Faculty or visiting faculty will teach a topic in computational applications of the areas such as algebra, analysis, functional analysis or topology. This course may be offered as a reading course.

MATH 6001 Major Research Paper

Credits: 6

Completion of a Major Research Paper is required. The research paper must be approved by the Supervisory Committee. The supervision and examination of all graduate Major Research Papers at Nipissing are administered by the School of Graduate Studies.

Native Studies Courses

NATI 1005 Madjitang, in the Beginning ... An Introduction to Native Studies

Prerequisite: No prerequisite.

Hours: Three hours of lecture per week.

Credits: 6

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.

NATI 1205 Omushkego Etuskanaysewin

Prerequisite: No prerequisite.

Hours: Three hours of lecture per week.

Credits: 6

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 1306 Anishnaabemwin Ojibwe 1

Prerequisite: No prerequisite.

Hours: Three hours of lecture per week for one term.

Credits: 3

This course is intended for students with no previous knowledge of Anishnaabemwin (Ojibwe). The course will focus on oral communication skills and development using a thematic approach essential for communication. The double vowel writing system will be utilized to support oral communication. Elders and local community members will act as resource people and language mentors.

NATI 1307 Anishnaabemwin Ojibwe 2

Prerequisite: NATI 1306 or permission of the instructor.

Hours: Three hours of lecture per week for one term.

Credits: 3

This course will build on the skills acquired in NATI 1306 (Anishnaabemwin 1). The use of correct grammar and appropriate language conventions in both oral and written Ojibwe will be emphasized throughout the course that also involves extensive conversational practice.

NATI 2005 Native Kinships with Environment

Prerequisite: NATI 1005

Hours: Three hours of lecture per week.

Credits: 6

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 1005 may request permission of the instructor to take NATI 2005.

NATI 2016 Cultural Production in an International Environment

Prerequisite: NATI 1005 or permission of the instructor.

Hours: Three hours of lecture per week for one term.

Credits: 3

This course is the culmination of four years of collaboration involving universities from Canada, Italy, Finland and Holland. The core focus will be on Native Canadian cultural development and sustainability through the multitude of products that originate from the processes taking place within these cultures. At the same time the course will also focus on the general social values and cultural expressions of other national and international cultures to help students develop a broader understanding and appreciation

for the broad spectrum of cultural expressions. It will be noted in particular, where values and standards are shared and where cultures experience differences. The course will examine a range of interdisciplinary issues directed towards production and marketing using modules that have been created by the university partners as adjuncts to this course. Comparative analyses will be undertaken and each module has been designed to assist the student in gaining necessary tools they will need in their future lives as cultural producers and managers. The course will demonstrate the special role that art and creative product can take in assisting the individual to manifest one's own powers of observation, stimulate feelings and compassion and develop powers of judgment, whether as an active producer, consumer or part of an audience. This course may be credited toward a Major in Fine Arts (Art History and Visual Studies stream).

NATI 2025 Native Creativity and the Arts

Prerequisite: NATI 1005 or permission of the instructor.

Hours: Three hours of lecture per week.

Credits: 6

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. This course may be credited toward a Major in Fine Arts (Art History and Visual Studies stream).

NATI 2205 Omushkego Etuskanaysewin II

Prerequisite: NATI 1205

Hours: Three hours of lecture per week.

Credits: 6

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 2905 Native Philosophy

Prerequisite: No prerequisite.

Antirequisite: PHIL 2905

Hours: Three hours of lecture per week.

Credits: 6

This course will explore the foundations of Native thought and cosmology with an emphasis on the nature of Native world-view, its derivation and evolution. The philosophical process will be considered in the context of a quest – for knowledge, wisdom and fundamental truths. The Shamanic tradition, ceremonies, rituals and other vehicles used in the outward expression of inner processes, will be examined to further enhance the understanding of

Native culture and its philosophical formulations. Teachings from Native mystics, elders and visionaries will be utilized to further explore the rich tapestry of Native thought and related actions. This course may be credited towards Philosophy.

NATI 3005 Native Spirituality and Religions

Prerequisite: NATI 1005

Hours: Three hours of lecture per week.

Credits: 6

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 1005 may request permission of the instructor to take NATI 3005. This course may be credited towards Religions and Cultures.

NATI 3406 Colonialism in First Nations' Communities

Prerequisite: 24 credits completed.

Antirequisite: SWLF 3405, NATI 3405, SWLF 3406

Hours: Three hours of lecture per week for one term.

Credits: 3

This course examines colonialism in First Nations' communities from contact with Europeans to the 1960s. Topics covered may include early patterns of treaty making, the imposition of a colonial relationship, measures of control and assimilation, the Indian Act, residential schools, relocation of Aboriginal communities, and the 1969 White Paper.

NATI 3407 Social Development in First Nations' Communities

Prerequisite: 24 credits completed.

Antirequisite: SWLF 3405, NATI 3405, SWLF 3407

Hours: Three hours of lecture per week for one term.

Credits: 3

This course examines social development in First Nations' communities from the 1970s to the present. Topics covered may include treaties, self-determination and self-government, land claims, access to and management of natural resources, economic development, family life, child welfare, urban Aboriginal populations, health and healing, housing, education, and culture.

NATI 3567 Ethnobotany

Prerequisite: Restricted to upper level students.

Antirequisite: BIOL 3567

Hours: Three hours of lecture per week for one term.

Credits: 3

This course will examine the science of people's interactions with plants, and focus on First Nations' uses of plants in addition to plant-human interactions in other world cultures. This course employs a multidisciplinary approach involving botany, biochemistry, pharmacology, anthropology, sociology, ethnology and spirituality. Students in this course will be required to participate in meaningful experiential learning through field work.

NATI 3606 Special Topics in Native Studies I

Prerequisite: NATI 1005; or permission of the instructor.
Hours: Three hours of lecture per week for one term.
Credits: 3

The theme and content of this course changes from year to year depending on the instructor's field of specialization. The course surveys a selected topic in Native Studies and covers areas not included by other courses in the program. The specific topics and course descriptions are available to students during registration in each year of offering.

NATI 3607 Special Topics in Native Studies II

Prerequisite: NATI 1005; or permission of the instructor.
Hours: Three hours of lecture per week for one term.
Credits: 3

The theme and content of this course will change from year to year depending on the instructor's field of specialization. The course surveys a selected topic in Native Studies and covers areas not included by other courses in the program. The specific topics and course descriptions are available to students during registration in each year of offering.

Nursing Courses

NURS 1006 Professional Self-Awareness

Restrictions: 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

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.

NURS 1016 Nursing and Health

Corequisite: NURS 1026
Restrictions: 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

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.

NURS 1017 Aging and Health

Prerequisite: NURS 1016 with a minimum grade of 60%
Corequisite: BIOL 2707 and NURS 1037
Hours: Three hours of lecture per week for one term.
Credits: 3

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.

NURS 1026 Clinical Practicum – Nursing Healthy Individuals

* Preclinical requirements apply.
Corequisite: NURS 1016
Restrictions: This course is restricted to students enrolled in the Bachelor of Science in Nursing.
Hours: Four hours of clinical practice and three hours of laboratory work per week for one term.
Credits: 3

This course introduces students to the science and art of nursing. In the clinical setting, students will begin the socialization process into the nursing profession while shadowing a Registered Nurse. The students will focus on exploring major nursing concepts such as caring, communication, change, leadership, critical thinking and health perspectives. In the lab students will gain theoretical knowledge and practice related to basic nursing skills.

NURS 1027 Clinical Practicum – Nursing Older Adults

* Preclinical requirements apply.
Prerequisite: NURS 1006, NURS 1016, NURS 1026 with a minimum grade of 60% or SAT; BIOL 1011 and BIOL 2706
Corequisite: NURS 1017, NURS 1037 and BIOL 2707
Hours: Ten hours of clinical practice and four hours of laboratory work per week for one term.
Credits: 3

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.

NURS 1037 Health Assessment

Prerequisite: BIOL 2706
Corequisite: BIOL 2707, NURS 1027 and NURS 1017
Antirequisite: NURS 2006
Hours: Three hours of laboratory work per week for one term.
Credits: 3

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.

NURS 2007 Therapeutic Relationships

Prerequisite: All NURS courses at the 1000 level with a minimum grade of 60% or SAT, or enrolment in the RPN to BScN Program; BIOL 1011 and BIOL 2707
Corequisite: NURS 2017 and NURS 2027
Hours: Three hours of lecture per week for one term.
Credits: 3

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.

NURS 2016 Health Challenges

Prerequisite: All NURS courses at the 1000 level with a minimum grade of 60% or SAT, or enrolment in the RPN to BScN Program; BIOL 1011 and BIOL 2707

Corequisite: NURS 2026 or NURS 2106

Restrictions: This course is restricted to students enrolled in the RPN to BScN Program.

Hours: Three hours of lecture per week for one term.

Credits: 3

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.

NURS 2017 Nursing Across the Lifespan

Prerequisite: All NURS courses at the 1000 level with a minimum grade of 60% or SAT, or enrolment in the RPN to BScN Program; BIOL 1011 and BIOL 2707

Corequisite: NURS 2007 and NURS 2027

Hours: Three hours of lecture per week for one term.

Credits: 3

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.

NURS 2026 Clinical Practicum – Nursing in the Acute Care Setting

* Preclinical requirements apply.

Prerequisite: All NURS courses at the 1000 level with a minimum grade of 60% or SAT; BIOL 1011 and BIOL 2707

Corequisite: NURS 2016

Hours: Twelve hours of clinical practice and two hours of laboratory work per week for one term (or equivalent).

Credits: 3

This nursing practice course provides students with the opportunity to apply their knowledge and skills in the acute care setting.

NURS 2028 Clinical Practicum – Nursing in Specialized Settings: Mental Health

* Preclinical requirements apply.

Prerequisite: All NURS courses at the 1000 level with a minimum grade of 60% or SAT, or enrolment in the RPN to BScN Program; BIOL 1011, BIOL 2707 and SOCI 1016.

Corequisite: NURS 2007

Antirequisite: NURS 2027

Hours: Fourteen hours of clinical practice per week for six weeks.

Credits: 1.5

This clinical practice course provides students the opportunity to apply their knowledge and skill with individuals experiencing mental health challenges. A major focus is on the building of therapeutic relationships with individuals.

NURS 2029 Clinical Practicum – Nursing in Specialized Settings: Women and Children

* Preclinical requirements apply.

Prerequisite: All NURS courses at the 1000 level with a minimum grade of 60% or SAT, or enrolment in the RPN to BScN Program; BIOL 1011, BIOL 2707 and SOCI 1016.

Corequisite: NURS 2017

Antirequisite: NURS 2027

Hours: Fourteen hours of clinical practice per week for six weeks.

Credits: 1.5

This clinical practice course provides students the opportunity to apply their knowledge and skill in caring for women and children. Major foci are maternal and perinatal health and common pediatric health challenges.

NURS 2037 Pharmacology

Prerequisite: All NURS courses at the 1000 level with a minimum grade of 60% or SAT; BIOL 1011 and BIOL 2707

Hours: Three hours of lecture per week for one term.

Credits: 3

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.

NURS 2047 Professional Foundations in Nursing

Prerequisite: All NURS courses at the 1000 level with a minimum grade of 60% or SAT, or enrolment in the RPN to BScN Program

Antirequisite: NURS 1007

Hours: Three hours of lecture per week for one term.

Credits: 3

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.

NURS 2106 Clinical Practicum for RPN to BScN

* Preclinical requirements apply.

Corequisite: NURS 2016

Restrictions: This course is restricted to students enrolled in the RPN to BScN Program.

Hours: Fourteen hours per week in clinical and classroom setting for one term.

Credits: 3

This course will provide the Registered Practical Nurse (RPN) who is bridging into the BScN degree, with the theoretical and practical knowledge required to support his/her transition. In acute care settings with the adult population, theories and concepts from a variety of disciplines are integrated, and applied to increasingly complex health care problems.

NURS 2107 Reflective Practice for RPN to BScN

Corequisite: NURS 2016, NURS 2106, BIOL 1011, UNIV 1011

Restrictions: This course is restricted to students enrolled in the RPN to BScN Program.

Hours: Three hours of lecture per week for one term.

Credits: 3

This course will provide the Registered Practical Nurse (RPN) who is bridging into the BScN degree, with the theoretical knowledge required to support his/her role transition. Philosophies of health, person, environment and nursing are expanded. Nipissing University's framework of the registered nurse education is introduced, and scope of practice of the Registered Nurse is examined. Each student will evaluate and update their professional portfolio following the College of Nurses guidelines as part of this course.

NURS 2526 Pathophysiology

Prerequisite: All NURS courses at the 1000 level with a minimum grade of 60% or SAT; BIOL 1011 and BIOL 2707
Hours: Three hours of lecture per week for one term.
Credits: 3

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.

NURS 3006 Nursing Theories

Prerequisite: All BScN courses at the 2000 level with a minimum grade of 60% or SAT or all RPN to BScN courses at the 2000 level with a minimum grade of 60% or SAT; SOCI 2036 and PSYC 1036
Hours: Three hours of lecture per week for one term.
Credits: 3

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 3007 Community Health Nursing

Prerequisite: All BScN courses at the 2000 level with a minimum grade of 60% or SAT or all RPN to BScN courses at the 2000 level with a minimum grade of 60% or SAT; BIOL 2116, SOCI 2036 and PSYC 1036
Corequisite: NURS 3027
Hours: Three hours of lecture per week for one term.
Credits: 3

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 3016 Family Nursing

Prerequisite: All BScN courses at the 2000 level with a minimum grade of 60% or SAT or all RPN to BScN courses at the 2000 level with a minimum grade of 60% or SAT; BIOL 2116, SOCI 2036 and PSYC 1036
Corequisite: NURS 3026
Hours: Three hours of lecture per week for one term.
Credits: 3

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 3026 Clinical Practicum – Family Nursing in Diverse Settings

* Preclinical requirements apply.
Prerequisite: All BScN courses at the 2000 level with a minimum grade of 60% or SAT or all RPN to BScN courses at the 2000 level with a minimum grade of 60% or SAT; BIOL 2116, SOCI 2036 and PSYC 1036
Corequisite: NURS 3016
Hours: Fourteen hours of clinical practice per week for one term.
Credits: 3

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 3027 Clinical Practicum – Nursing Communities and Populations

* Preclinical requirements apply.
Prerequisite: All BScN courses at the 2000 level with a minimum grade of 60% or SAT or all RPN to BScN courses at the 2000 level with a minimum grade of 60% or SAT; BIOL 2116, SOCI 2036 and PSYC 1036
Corequisite: NURS 3007
Hours: Fourteen hours of clinical practice per week for one term.
Credits: 3

This nursing practice course provides students with opportunities to apply their knowledge and skills in specific communities and populations.

NURS 3036 Transcultural Nursing

Prerequisite: All BScN courses at the 2000 level with a minimum grade of 60% or SAT or all RPN to BScN courses at the 2000 level with a minimum grade of 60% or SAT; SOCI 2036 and PSYC 1036
Hours: Three hours of lecture per week for one term.
Credits: 3

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 4006 Nursing Informatics

Prerequisite: All NURS courses at the 3000 level with a minimum grade of 60% or SAT; MATH 1257
Corequisite: NURS 4016, NURS 4026 and NURS 4036
Hours: Three hours of lecture per week for one term.
Credits: 3

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 4007 Leadership and Management in Nursing

Prerequisite: NURS 4006, NURS 4016, and NURS 4036 with a minimum grade of 60% and NURS 4026 with a SAT grade
Corequisite: NURS 4017 and NURS 4027
Hours: Three hours of lecture per week for one term or equivalent.
Credits: 3

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 4016 Research in Nursing and Health

Prerequisite: All NURS courses at the 3000 level with a minimum grade of 60% or SAT; MATH 1257
Corequisite: NURS 4006, NURS 4026 and NURS 4036
Hours: Three hours of lecture per week for one term.
Credits: 3

This course will explore the research process as it relates to the development of nursing science, and evidence-based nursing practice. Emphasis will be placed on students' clinical practice as the relevant source of questions for nursing research. Both qualitative and quantitative approaches to the generations of research data will be examined, including strategies associated with each of these methods. The knowledge and skills underpinning the analysis and critiquing of the research literature will be addressed with specific emphasis on its applicability to research utilization in nursing and related health disciplines.

NURS 4017 Current Issues in Nursing

Prerequisite: NURS 4006, NURS 4016, and NURS 4036 with a minimum grade of 60% and NURS 4026 with a SAT grade

Corequisite: NURS 4007 and NURS 4027

Hours: Three hours of lecture per week for one term or equivalent.

Credits: 3

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 4026 Clinical Practicum – Advanced Nursing Practice

* Preclinical requirements apply.

Prerequisite: All NURS courses at the 3000 level with a minimum grade of 60% or SAT

Corequisite: NURS 4006, NURS 4016 and NURS 4036

Hours: Fourteen hours of clinical practice per week for one term.

Credits: 3

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 4027 Clinical Practicum – Preceptorship

* Preclinical requirements apply.

Prerequisite: NURS 4006, NURS 4016, and NURS 4036 with a minimum grade of 60% and NURS 4026 with a SAT grade

Corequisite: NURS 4007 and NURS 4017

Hours: This practicum will consist of 420 hours of clinical placement.

Credits: 9

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 4036 Complex Health Challenges

Prerequisite: All NURS courses at the 3000 level with a minimum grade of 60% or SAT

Corequisite: NURS 4006, NURS 4016, and NURS 4026

Hours: Three hours of lecture per week for one term.

Credits: 3

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.

NURS 4057 Special Topics in Nursing

Prerequisite: Approval of the School of Nursing

Hours: Three hours of lecture and/or seminar per week for one term.

Credits: 3

Qualified students may do special studies in Nursing Science beyond or outside regular discipline offerings. Students are required to carry out a supervised, independent advanced in depth study of a special topic in nursing. Extensive reading and writing are required. Specific content will vary from year to year depending on student interest and need.

NURS 4426 Transitions: Introduction to Canadian Healthcare

* Preclinical requirements apply.

Prerequisites: IUON transfer student

Hours: Eight hours of lecture/discussion, 16 hours of laboratory work, and 48 hours of clinical practice delivered over three weeks.

Credits: 3

Students examine the history, philosophies and beliefs that relate to Canada's healthcare system. Concepts of universal healthcare and professional nursing practice are emphasized. Applications of health care knowledge, critical thinking and leadership skills in the acute care setting are promoted. Academic study and writing activities as well as laboratory experiences are utilized to develop and enhance students' knowledge.

NURS 4446 Concepts and Strategies in Gerontological Nursing

Prerequisites: Students with 4th year standing in the BScN program.

Hours: Three hours of lecture/seminar/discussion per week as appropriate.

Credits: 3

Qualified students examine major concepts of health and wellness in the aging adult. Unique health aspects and social challenges engendered by various situations are given prominence, as will frailty, chronicity and quality of life. Associated nursing interventions are discussed.

NURS 4447 Concepts and Strategies in Pediatric Nursing

Prerequisites: Students with 4th year standing in the BScN program.

Hours: Three hours of lecture/seminar/discussion/lab per week as appropriate.

Credits: 3

Qualified students increase their knowledge of internal and external variables that impact on children's health. Concepts and appropriate theories are used to describe and explain healthcare related to children. Simulation practice facilitates application of theoretical concepts and skill development. Discussion and dialogue assists students to relate theory to practice in pediatric situations.

Scholar Practitioner Program Courses

The following courses are restricted to students that have been admitted into BScN-Scholar Practitioner Program.

NURS 1176 Generativity and Life Inquiry

Prerequisites: Successful completion of an Undergraduate degree.
Restrictions: This course is restricted to students enrolled in the BScN-SPP program.

Hours: 12 hours of instruction a week for three weeks.
Credits: 3

This course is a general orientation to the program and to the Academic Health Center's organizational vision, mission and values. Students are introduced to select clinical areas and patient populations served by the practice environment, and begin to explore and question the practice challenges faced by the future nurse as beginning scholar-practitioners from the perspective of Generativity and Life and related concepts

NURS 1195 Generativity and Life Transformative Practicum

Prerequisites: NURS 1176

Corequisites: NURS 1187

Restrictions: This course is restricted to students enrolled in the BScN-SPP program.

Hours: 22.5 hours per week for nine weeks in a clinical practice setting. (Note: Week nine may include a reciprocal practicum experience.)

Credits: 6

This course is a general orientation to the Academic Health Center's practice environment. Students apply their knowledge and skills with individuals and families in a practice setting. The focus is on providing health promotion, restoration and sustainability for individuals and families from the perspective of Generativity and Life and related concepts.

NURS 1187 Generativity and Life Reflection

Prerequisites: NURS 1176

Corequisites: NURS 1195

Restrictions: This course is restricted to students enrolled in the BScN-SPP program.

Hours: 12 hours of instruction per week for three weeks.

Credits: 3

This course introduces the student to the reflective practice process and its application to their personal learning, the clinical setting and knowledge development. Students explore and question praxis from the perspective of Generativity and Life and related concepts. Specifically, students explore the questions "What did I discover?" and "What is my focus for further discovery?"

NURS 1276 Functionality of Mind, Body and Spirit Inquiry

Prerequisites: NURS 1176, NURS 1187, and NURS 1195

Restrictions: This course is restricted to students enrolled in the BScN-SPP program.

Hours: 12 hours of instruction per week for three weeks.

Credits: 3

Students explore and question the challenges faced by the future nurse as beginning scholar-practitioners from the perspective of Functionality of Mind, Body and Spirit and related concepts.

NURS 1295 Functionality of Mind, Body and Spirit Transformative Practicum

Prerequisites: NURS 1276

Corequisites: NURS 1287

Restrictions: This course is restricted to students enrolled in the BScN-SPP program.

Hours: 22.5 hours per week for nine weeks in a clinical practice setting. (Note: Week nine may include a reciprocal practicum experience.)

Credits: 6

Students apply their knowledge and skills with individuals and families. The focus is on providing health promotion, restoration and sustainability for individuals and families from the perspective of Functionality of Mind, Body and Spirit and related concepts.

NURS 1287 Functionality of Mind, Body and Spirit Reflection

Prerequisites: NURS 1276

Corequisites: NURS 1295

Restrictions: This course is restricted to students enrolled in the BScN-SPP program.

Hours: 12 hours of instruction per week for three weeks.

Credits: 3

This course introduces the student to the reflective practice process and its application to their personal learning, the clinical setting and knowledge development. Students explore and question praxis from the perspective of Functionality of Mind, Body and Spirit and related concepts. Specifically, students explore the questions "What did I discover?" and "What is my focus for further discovery?"

NURS 2376 Hope and Possibility Inquiry

Prerequisites: NURS 1276, NURS 1295, and NURS 1287

Restrictions: This course is restricted to students enrolled in the BScN-SPP program.

Hours: 12 hours of instruction per week for three weeks.

Credits: 3

Students explore and question the challenges faced by the future nurse as beginning scholar-practitioners from the perspective of Hope and Possibility and related concepts.

NURS 2395 Hope and Possibility Transformative Practicum

Prerequisites: NURS 2376

Corequisites: NURS 2387

Restrictions: This course is restricted to students enrolled in the BScN-SPP program.

Hours: 22.5 hours per week for nine weeks in a clinical practice setting. (Note: Week nine may include a reciprocal practicum experience.)

Credits: 6

In this course students apply knowledge and skills with individuals, families, groups and community. The focus is on providing health promotion, restoration and sustainability for individuals and families from the perspective of Hope and Possibility and related concepts.

NURS 2387 Hope and Possibility Reflection

Prerequisites: NURS 2376

Corequisites: NURS 2395

Restrictions: This course is restricted to students enrolled in the BScN-SPP program.

Hours: 12 hours of instruction per week for three weeks.

Credits: 3

This course introduces the student to the reflective practice process and its application to their personal learning, the clinical setting and knowledge development. Students explore and question praxis from the perspective of Hope and Possibility and related concepts. Specifically, students explore the questions “What did I discover?” and “What is my focus for further discovery?”

NURS 2476 Experiential Integration Inquiry

Prerequisites: NURS 2376, NURS 2395, and NURS 2387

Restrictions: This course is restricted to students enrolled in the BScN-SPP program.

Hours: 12 hours of instruction per week for three weeks.

Credits: 3

This course is a general orientation to the Academic Health Center organizational, vision, and values. Students practice in another Academic Health Center partner, and begin to broaden their perspective of the challenges related to Generativity and Life, Functionality of Mind, Body and Spirit, and Hope and Possibility.

NURS 2487 Experiential Integration Reflection

Prerequisites: NURS 2476

Corequisites: NURS 2495

Restrictions: This course is restricted to students enrolled in the BScN-SPP program.

Hours: 12 hours of instruction per week for three weeks.

Credits: 3

This course introduces the student to the reflective practice process and its application to their personal learning, the clinical setting and knowledge development. Students explore and question praxis from the perspective of Generativity and Life, Redesign and Retooling, Hope and Possibility and related concepts. Specifically, students explore the questions “What did I discover?” and “What is my focus for further discovery?”

NURS 2495 Experiential Integration Transformative Practicum

Prerequisites: NURS 2476

Corequisites: NURS 2487

Restrictions: This course is restricted to students enrolled in the BScN-SPP program.

Hours: 22.5 hours per week for 9 weeks in a new clinical setting from previously experienced.

Credits: 6

This course includes a general orientation to an alternative Academic Health Center's practice environment. The student applies knowledge and skills with clients, with the focus on providing health promotion, restoration and sustainability for individuals and families from the perspective of Generativity and Life, Functionality of Mind, Body and Spirit, Hope and Possibility and related concepts.

NURS 3576 Retooling and Redesign Inquiry

Prerequisites: NURS 2476, NURS 2495, and NURS 2487

Restrictions: This course is restricted to students enrolled in the BScN-SPP program.

Hours: 12 hours of instruction per week for three weeks.

Credits: 3

Students explore and question the challenges faced by the future nurse as beginning scholar-practitioners from the perspective of Retooling and Redesign and related concepts.

NURS 3587 Retooling and Redesign Reflection

Prerequisites: NURS 3576

Corequisites: NURS 3595

Restrictions: This course is restricted to students enrolled in the BScN-SPP program.

Hours: 12 hours of instruction per week for three weeks.

Credits: 3

Students are introduced to the reflective practice process and its application to their personal learning, the clinical setting and knowledge development. Students explore and question praxis from the perspective of Retooling and Redesign. Specifically, students explore the questions “What did I discover?” and “What is my focus for further discovery?”

NURS 3595 Retooling and Redesign Transformative Practicum

Prerequisites: NURS 3576

Corequisites: NURS 3587

Restrictions: This course is restricted to students enrolled in the BScN-SPP program.

Hours: 22.5 hours per week for nine weeks in a clinical practice setting. (Note: Week nine may include a reciprocal practicum experience.)

Credits: 6

Students apply knowledge and skills with individuals, families, groups and community. The focus is on providing care to clients in an environment of innovation and change from the perspective of Retooling and Redesign and related concepts.

NURS 3676 Challenging the System Inquiry

Prerequisites: NURS 3576, NURS 3595, and NURS 3587

Restrictions: This course is restricted to students enrolled in the BScN-SPP program.

Hours: 12 hours of instruction per week for three weeks.

Credits: 3

Students explore and question the challenges faced by the future nurse as beginning scholar-practitioners from the perspective of Challenging the System and related concepts.

NURS 3687 Challenging the System Reflection

Prerequisites: NURS 3676

Corequisites: NURS 3695

Restrictions: This course is restricted to students enrolled in the BScN-SPP program.

Hours: 12 hours of instruction per week for three weeks.

Credits: 3

Students to continue to engage in the reflective practice process as it relates to their personal learning, the clinical setting and knowledge development. Specifically, students explore the questions “What did I discover?” and “What is my focus for further discovery?” from the perspective of Challenging the System and future practice.

NURS 3695 Challenging the System Transformative Practicum

Prerequisites: NURS 3676

Corequisites: NURS 3687

Restrictions: This course is restricted to students enrolled in the BScN-SPP program.

Hours: 33.75 hours per week for nine weeks in a clinical practice setting. (Note: Week nine may include a reciprocal practicum experience.)

Credits: 6

This course focuses on the synthesis of all previous course learning outcomes with a focus on the implementation of a change project within a selected setting.

Organizational Studies Courses

For course descriptions please see the Business courses area within this section of the Academic Calendar.

Orientation To Teaching (Option)

This course is restricted to students enrolled in the Orientation To Teaching (OTT) option.

EDUC 0106 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.

Physical and Health Education Courses

Schulich School of Education

PHED courses are restricted to students who have been admitted into the Bachelor of Physical and Health Education program.

PHED 1006 Introduction to Physical Education

Prerequisite: This course is restricted to students enrolled in the BPHE program.

Hours: 36

Credits: 3

Students are presented with an overview of the sub disciplines within physical education. The course describes and integrates historical, theoretical, and practical components. By acquiring a broad and thorough understanding of this area of study, the students develop an increased awareness of the career opportunities within physical and health education.

PHED 1007 Socio-Cultural Dimensions of Sport and Physical Activity

Prerequisite: This course is restricted to students enrolled in the BPHE program.

Hours: 36

Credits: 3

Students examine the sociological and cultural dimensions of sport and physical activity from the personal to the international level, and identify many of the associated social problems and issues, particularly those related to ageism, sexism, racism, motor elitism and classism.

PHED 1016 Motor Development

Prerequisite: This course is restricted to students enrolled in the BPHE program.

Hours: 36

Credits: 3

In this course, students examine the processes underlying changes in motor behaviour across the lifespan. Students investigate these processes as they relate to the physical, psychological, and social development of the individual, with specific applications in physical activity settings.

PHED 1017 Health Concepts

Prerequisite: This course is restricted to students enrolled in the BPHE program.

Hours: 36

Credits: 3

This introductory health course investigates various health issues and factors that contribute positively and negatively to overall health. Current societal health issues are presented to identify ways to influence these factors.

PHED 1027 Physical Activity and Sport Leadership

Prerequisite: PHED 1006

Hours: 36

Credits: 3

Students examine the organization and administration of sport and physical activity settings. Students investigate leadership principles, communication, organizational structures, administrative principles, and fund raising. Links to community leadership placements are addressed.

PHED 1116 Physical Education Practical I

Prerequisite: This course is restricted to students enrolled in the BPHE program.

Hours: 36-48

Credits: 3

Students engage in a variety of physical activities (e.g. team and individual sports, dance, swimming, games and movement activities). Emphasis is placed on movement competence, skill development and varied pedagogical approaches.

PHED 1117 Physical Education Practical II

Prerequisite: This course is restricted to students enrolled in the BPHE program.

Hours: 36-48

Credits: 3

Students engage in a variety of physical activities (e.g. team and individual sports, dance, swimming, games and movement activities). Emphasis is placed on movement competence, skill development and varied pedagogical approaches.

PHED 2007 Adapted Physical Activity

Prerequisite: PHED 1016

Hours: 36

Credits: 3

An introduction to the physical activity needs of special populations such as individuals with physical or mental challenges, infants, and older adults with chronic disease conditions. Students examine specific physical activity strategies through adapted physical education and rehabilitation protocols that maximize functional movement for specific developmental disabilities and chronic disease conditions.

PHED 2016 Motor Learning and Control

Prerequisite: PHED 1016

Hours: 36

Credits: 3

Students investigate the neural-psychological processes involved in the production and learning of motor skill with applications to teaching, learning, and coaching throughout the human lifespan.

PHED 2017 Teaching and Learning in Physical Education

Prerequisite: PHED 1006

Hours: 36

Credits: 3

This introductory course examines teaching and learning approaches in physical education. Challenging traditional methods of curriculum delivery, this course assists students in developing skills to facilitate, manage and structure an active learning environment to better meet the needs of today's learner.

PHED 2026 Sport and Exercise Psychology

Prerequisite: This course is restricted to students enrolled in the BPHE program.

Hours: 36

Credits: 3

Through the examination of current research and theories within the field of sport and exercise psychology, students gain an understanding of the factors associated with physical activity-related cognitions, emotions, and behaviors in a variety of physical activity settings.

PHED 2027 Technology in Physical Education and Sport

Prerequisite: PHED 1006

Hours: 36

Credits: 3

This course focuses on how technology has impacted sport and physical activity with respect to rule changes, equipment, sports records, and lifestyle physical activity patterns. Current applications of technology in physical education are addressed.

PHED 2106 Community Leadership Placement I

Prerequisite: PHED 1027

Hours: 50 hours of community work

Credits: 3

Students participate in a 50-hour, non-paid work experience in an approved community setting which complements course work, previous experience, and future goals. Students develop strong communication skills, critical thinking skills, leadership skills, and societal connections. This course is graded as SATISFACTORY or FAIL.

PHED 2116 Physical Education Practical III

Prerequisite: PHED 1116 and PHED 1117

Hours: 36–48

Credits: 3

This course builds on PHED 1116 and PHED 1117 as students engage in a variety of physical activities (e.g. team and individual sports, core development, games and movement activities). Emphasis is placed on movement analysis, skill development and varied pedagogical approaches.

PHED 2117 Physical Education Practical IV

Prerequisite: PHED 1116 and PHED 1117

Hours: 36–48

Credits: 3

This course builds on PHED 1116 and PHED 1117 as students engage in a variety of physical activities (e.g. team and individual sports, core development, games and movement activities). Emphasis is placed on movement analysis, skill development and varied pedagogical approaches.

PHED 2216 Systemic Approach to Functional Human Anatomy

Prerequisite: PHED 1006 and PHED 1017

Hours: 48 hours of lecture/tutorial

Credits: 3

Students study the gross anatomy of the human body, including the musculoskeletal, cardiovascular, respiratory, nervous, digestive, reproductive, and urinary systems. Students apply examples of exercise and activities of daily living to understand the integration of form and function within and between the systems.

PHED 2217 Systemic Approach to Integrated Human Physiology

Prerequisite: PHED 1006 and PHED 1017

Hours: 48 hours of lecture/tutorial

Credits: 3

Students study the major human physiological systems, through examples related to work, exercise, and other health-related topics. Students focus on how the body's homeostasis is maintained by the musculoskeletal, cardiovascular, respiratory, nervous, endocrine, digestive, reproductive, and urinary systems.

PHED 3006 Exercise Physiology I

Prerequisite: PHED 2217

Hours: 48 hours of lecture/laboratory

Credits: 3

Students examine the physiological systems that support human movement (e.g. the cardiovascular-respiratory, neuromuscular, and metabolic systems) as well as the acute and chronic effects of physical activity, the environment, and training upon these systems.

PHED 3016 Coaching

Prerequisite: PHED 2016 or permission from the Director.

Hours: 36

Credits: 3

This course addresses theory and methods of coaching. Students gain knowledge in coach education, coaching models, coach behaviour, athlete development, ethical issues in sport and instructional planning.

PHED 3017 Contemporary Health Issues

Prerequisite: PHED 1017 or permission from the Director.

Hours: 36

Credits: 3

This course covers a number of critical health issues relevant to children, youth and adults. This course takes a broad perspective to explore the impact of factors affecting individual and societal health. An emphasis is placed on Canadian health issues and population trends in physical health indicators.

PHED 3026 Biomechanics I

Prerequisite: PHED 2216

Hours: 48 hours of lecture/laboratory

Credits: 3

Students examine the mechanical principles involved in producing human movement. Students gain practical experience in skill analysis techniques that contribute to improved performance

PHED 3036 Exercise Management for Persons with Chronic Diseases

Prerequisite: Third or Fourth year standing in the Bachelor of Physical and Health Education program.

Hours: 36

Credits: 3

Students study the basic principles of exercise screening, testing, and training for normal healthy individuals and for those with chronic diseases (e.g. cardiovascular disease, metabolic disease, respiratory disease, etc).

PHED 3037 Gerontology

Prerequisite: PHED 2007

Hours: 36

Credits: 3

Students examine the physiological, psychological and emotional changes that occur as a function of the aging process and the role which physical activity can have in altering the perceived problems of aging.

PHED 3106 Community Leadership Placement II

Prerequisite: PHED 2106

Hours: 50 hours of community work is required

Credits: 3

Students participate in a fifty-hour, non-paid work experience in an approved community setting which complements course work, previous experience, and future goals. Students develop strong communication skills, critical thinking skills, leadership skills, and societal connections. This course is graded as SATISFACTORY or FAIL.

PHED 3116 Physical Education Practical V

Prerequisite: PHED 2116 and PHED 2117

Hours: 36-48

Credits: 3

This course builds on PHED 2116 and PHED 2117 as students engage in a variety of physical activities (e.g. individual and team sports, games and movement activities). Emphasis is placed on movement competence, instructional strategies and advanced content knowledge.

PHED 3117 Physical Education Practical VI

Prerequisite: PHED 2116 and PHED 2117

Hours: 36-48

Credits: 3

This course builds on PHED 2116 and PHED 2117 as students engage in a variety of physical activities (e.g. individual and team sports, games and movement activities). Emphasis is placed on movement competence, instructional strategies and advanced content knowledge.

PHED 3217 Research Methods and Statistics in Physical Activity

Prerequisite: Enrolment in the Bachelor of Physical and Health Education program.

Hours: 36

Credits: 3

This course provides an introduction to various methods, techniques and approaches to research in physical activity and

health. Students gain an understanding of both quantitative and qualitative research, interpretation of results and the use of basic statistics in quantitative research. Ethical issues in research are also discussed.

PHED 4006 Exercise Physiology II

Prerequisite: PHED 3006

Hours: 48 hours of lecture/laboratory

Credits: 3

Students examine in further detail the concepts presented in Exercise Physiology I. More specifically, students study the physiological principles that are critical to successful athletic performance (especially at an elite level) and critically evaluate scientific literature relating to exercise and sport performance.

PHED 4007 Health and Exercise Psychology

Prerequisite: PHED 2026

Hours: 36

Credits: 3

The purpose of this course is to expand student knowledge and understanding of the field of Exercise and Health Psychology. Students learn the theories that have been developed to help understand exercise adherence and health behaviours. An emphasis is placed on research-based evidence and the critical evaluation of literature pertaining to the topics covered within the course including the role of exercise and other health behaviours in preventing and treating stress, chronic disease and mental illness.

PHED 4016 Injury Prevention and Care

Prerequisite: PHED 2216

Hours: 48 hours of lecture/laboratory

Credits: 3

This practical course challenges students to apply anatomical principles in the prevention and treatment of acute injuries related to physical activity and sport. Emergency action plans, athletic taping, and safety protocols will be addressed. First Aid Certification will be included.

PHED 4026 Biomechanics II

Prerequisite: PHED 3026

Hours: 48 hours of lecture/laboratory

Credits: 3

Students apply and expand the principles and concepts learned in PHED 3026 Biomechanics I to examples of exercise and activities of daily living.

PHED 4027 Physical Fitness Principles, Prescription, & Assessment

Prerequisite: PHED 3006

Hours: 36

Credits: 3

This course presents the principles of fitness, fitness prescription concepts, and methods of fitness appraisal. Students will gain practical experience in assessing individual fitness levels. Health assessment and lifestyle counselling will also be considered.

PHED 4036 Ergonomics

Prerequisite: PHED 3026

Hours: 36

Credits: 3

Students use principles of biomechanics, motor control, and physiology to evaluate and improve design and organization in applied workplace and exercise settings.

PHED 4046 Contemporary Issues in Sport and Physical Activity**Activity**

Prerequisite: PHED 1007

Hours: 36

Credits: 3

This course explores contemporary issues related to sport and physical activity. Students critically examine the impact of personal, social, cultural, and political factors on sport and physical activity participation.

PHED 4106 Community Leadership Placement III

Prerequisite: PHED 3106

Hours: 50 hours of community work is required

Credits: 3

Students participate in a fifty-hour, non-paid work experience in an approved community setting which complements course work, previous experience, and future goals. Students develop strong communication skills, critical thinking skills, leadership skills, and societal connections. This course is graded as SATISFACTORY or FAIL.

PHED 4116 Physical Education Practical VII

Prerequisite: PHED 3116 and PHED 3117

Hours: 36-48

Credits: 3

This course builds on PHED 3116 and PHED 3117 as students engage in a variety of physical activities (e.g. individual and team sports, and lifestyle physical activities). Emphasis is placed on leadership and advanced skills and knowledge.

PHED 4117 Physical Education Practical VIII

Prerequisite: PHED 3116 and PHED 3117

Hours: 36-48

Credits: 3

This course builds on PHED 3116 and PHED 3117 as students engage in a variety of physical activities (e.g. individual and team sports, and lifestyle physical activities). Emphasis is placed on leadership and advanced skills and knowledge.

PHED 4227 Nutrition

Prerequisite: PHED 2216 and PHED 2217

Hours: 36

Credits: 3

This course presents fundamental nutritional principles. The nutritional requirements for physical activity and sport are emphasized, including issues such as weight control and weight management.

PHED 4906 Special Topics in Sport and Physical Activity

Prerequisite: PHED 3217

Hours: 36

Credits: 3

A variety of topics in the area of sport and physical activity will be covered. The availability of the course will be based on student demand and the availability of the instructor.

PHED 4986 Directed Study

Hours: 36

Credits: 3

A student may undertake an independent study under the supervision of a faculty member. The nature of the independent study and requirements will be agreed upon through consultation between

the student and faculty member. Approval of the faculty member and director are required prior to registration.

PHED 4995 Research Project

Prerequisite: PHED 3217

Hours: Seminars, individual hours, and meetings with advisor as necessary for one term.

Credits: 6

This course provides students with an opportunity to explore an area of interest in greater depth. In consultation with an advisor, students will prepare a written project according to program guidelines. Approval of the director is required prior to registration.

Philosophy Courses

PHIL 1115 Introduction to Philosophy

Prerequisite: No prerequisite.

Hours: Three hours of lecture per week.

Credits: 6

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.

PHIL 2245 Philosophy of Art and Literature

Prerequisite: PHIL 1115 or permission of the instructor.

Hours: Three hours of lecture per week.

Credits: 6

A philosophical inquiry into what it is to understand a work of art or literature, and what you may learn from one; the nature of and criteria of aesthetic experience; what it means to say that works of art have meanings, express, or represent; an analysis of the procedures and arguments employed by critics. This course may be credited towards a Major in Fine Arts (Art History and Visual Studies stream).

PHIL 2305 Origins of Western Philosophy

Prerequisite: PHIL 1115

Hours: Three hours of lecture per week.

Credits: 6

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.

PHIL 2405 Philosophy of Film

Prerequisite: One of: FILM 1005, FILM 2305, GEND 2305 or PHIL 1115

Hours: Four hours of lecture per week.

Credits: 6

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 towards Film and a Major in Fine Arts (Art History and Visual Studies stream).

PHIL 2505 Reasoning and Logical Argument

Prerequisite: No prerequisite.

Hours: Three hours of lecture per week.

Credits: 6

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.

PHIL 2525 Contemporary Moral Issues

Prerequisite: No prerequisite.

Hours: Three hours of lecture per week.

Credits: 6

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. This course may be credited towards Religions and Cultures.

PHIL 2606 Gender and Philosophy I

Prerequisite: PHIL 1115 or any course in, or cross-listed with, Gender Equality and Social Justice.

Antirequisite: PHIL 2605

Hours: Three hours of lecture per week for one term.

Credits: 3

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 2607 Gender and Philosophy II

Prerequisite: PHIL 1115 or any course in, or cross-listed, with Gender Equality and Social Justice.

Antirequisite: PHIL 2605

Hours: Three hours of lecture per week for one term.

Credits: 3

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 2706 Ethical Theory: Moral and Ethical Perspectives

Prerequisites: No Prerequisite

Hours: Three hours of lecture per week for one term.

Credits: 3

This course provides students with a foundation in the dominant moral and ethical theories in Western philosophy, including virtue ethics, utilitarianism, deontology, moral sense theory, and moral relativism and scepticism.

PHIL 2915 Philosophy of Science

Prerequisite: No prerequisite.

Hours: Three hours of lecture per week.

Credits: 6

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.

PHIL 3205 Philosophy of Sex and Love

Prerequisite: PHIL 1115 or GEND 1025

Antirequisite: GEND 3205 and RLCT 3205

Hours: Three hours of lecture per week.

Credits: 6

Attitudes and beliefs surrounding the virtues of sex and love have changed dramatically over time and across cultures. Moreover as two of the most central aspects of human life and human experience, both sex and love have variously been seen as either ways to the divine or impossible obstacles. This course offers a critical engagement with a range of philosophical and religious ideas which have shaped both Western and Eastern understandings of the role of sex and love in human relationships and human societies. Particular attention will also be paid to the way these concepts are inseparable from gender ideologies.

PHIL 3335 History of Modern Philosophy

Prerequisite: PHIL 1115

Hours: Three hours of lecture per week.

Credits: 6

The main insights of rationalist and empiricist philosophy are surveyed, followed by sustained examination of the subsequent philosophical arguments for a strong affinity between the rational and the empirical. The work of selected early modern philosophers (e.g., Descartes, Locke, Berkeley, and Hume) will lead into the study of Kant, Hegel, Marx, and Nietzsche. Special emphasis is given throughout the course to the definition, role and development of reason as seen from the perspectives of key philosophers of the period.

PHIL 3476 Existentialism I

Prerequisite: PHIL 1115

Antirequisite: PHIL 3475

Hours: Three hours of lecture per week for one term.

Credits: 3

This course will introduce existentialist philosophy as a reaction to enlightenment reason and nineteenth century idealism. The meaning of individual existence, nihilism, creation, freedom and intersubjectivity will be explored through philosophical and literary texts that may include the work of Schopenhauer, Nietzsche, Kierkegaard, Dostoevsky, Kafka, Camus, Sartre and de Beauvoir.

PHIL 3477 Existentialism II

Prerequisite: PHIL 1115

Antirequisite: PHIL 3475

Hours: Three hours of lecture per week for one term.

Credits: 3

This course will consist of a sustained examination of a key theme or thinker within the existentialist tradition. Themes and thinkers may vary from year to year, but they will be drawn from such topics as: the relation between religious and atheistic variants of

existentialism; the phenomenological theory of consciousness; Sartre's radical notion of freedom; Merleau-Ponty's exploration of the pre-reflective life-world.

PHIL 3616 Philosophy of Religion

Prerequisite: PHIL 1115

Antirequisite: PHIL 3635

Hours: Three hours of lecture per week for one term.

Credits: 3

The meaning of religious language is explored in this course using current tools of philosophical analysis to interpret classical and modern texts which deal with religious truth, structures of pain and alienation, death, and other selected topics. This course may be credited towards Religions and Cultures.

PHIL 3655 Philosophy of Language

Prerequisite: PHIL 1115

Hours: Three hours of lecture per week.

Credits: 6

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 3706 Eastern Philosophy I: Confucianism, Taoism and Zen

Prerequisite: PHIL 1115

Antirequisite: PHIL 2705

Hours: Three hours of lecture per week for one term.

Credits: 3

This course explores the three major Asian philosophical traditions: Confucianism, Taoism and Zen. Although these three traditions are dealt with separately, some time is spent on considering how they intersect in matters of epistemology, metaphysics and socio-political thought. This course may be credited towards Religions and Cultures.

PHIL 3707 Eastern Philosophy II: Classical Indian Philosophy

Prerequisite: PHIL 1115

Antirequisite: PHIL 2705

Hours: Three hours of lecture per week for one term.

Credits: 3

This course explores the early Indian philosophical tradition, beginning with the Poet-Seers' visionary quest for Insight, as portrayed in the earliest Indian text, the Rg Veda. The epistemology, metaphysics and socio-political views of the Yogic, Buddhist and Brahmanical schools is then examined. This course may be credited towards Religions and Cultures.

PHIL 3756 Special Topics in Social and Political Philosophy

Prerequisites: PHIL 1115

Hours: Three hours of lecture per week for one term.

Credits: 3

This course will vary in specific focus from year to year, but its unvarying content concerns such problems in social and political thought as justice, power, responsible action, and critique. Students are advised that a more detailed outline of subject matter is provided on a year to year basis by the discipline. This course may be credited towards Political Science.

PHIL 3757 Special Topics in Social and Political Philosophy

Prerequisites: PHIL 1115

Hours: Three hours of lecture per week for one term.

Credits: 3

This course will vary in specific focus from year to year, but its unvarying content concerns such problems in social and political thought as justice, power, responsible action, and critique. Students are advised that a more detailed outline of subject matter is provided on a year to year basis by the discipline. This course may be credited towards Political Science.

PHIL 4105 Directed Studies

Prerequisite: PHIL 2305 and PHIL 4305 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

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.

PHIL 4206 Seminar in Philosophy

Prerequisite: PHIL 2305 and PHIL 3335

Hours: Three hours of lecture per week for one term.

Credits: 3

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.

PHIL 4207 Seminar in Philosophy

Prerequisite: PHIL 2305 and PHIL 3335

Hours: Three hours of lecture per week for one term.

Credits: 3

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.

PHIL 4216 Seminar in Philosophy

Prerequisites: Restricted to students in the fourth year of an Honours Philosophy program.

Hours: Three hours of lecture/seminar per week for one term.

Credits: 3

Philosophy has traditionally concerned itself with problems arising from the epistemology and metaphysics of typically human phenomena concerning values and ethics, religion, art, science, etc. This course identifies in any given year some such problem or topic and examines it in depth. Students are advised that a more detailed outline of subject matter is provided on a year to year basis by the discipline.

PHIL 4217 Seminar in Philosophy

Prerequisites: Restricted to students in the fourth year of an Honours Philosophy program.

Hours: Three hours of lecture/seminar per week for one term.

Credits: 3

Philosophy has traditionally concerned itself with problems arising from the epistemology and metaphysics of typically human phenomena concerning values and ethics, religion, art, science, etc. This course identifies in any given year some such problem or topic and examines it in depth. Students are advised that a more detailed outline of subject matter is provided on a year to year basis by the discipline.

PHIL 4305 Twentieth-Century Continental Philosophy

Prerequisite: PHIL 3335 and restricted to students in the fourth year of the Honours Philosophy program.

Antirequisite: PHIL 3305

Hours: Three hours of lecture/seminar per week.

Credits: 6

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.

Physics Courses

PHYS 1912 Understanding Concepts of Classical Physics

Prerequisite: Demonstration of math skills, particularly Functions and Relations (3U Functions), or equivalent. It is highly recommended that the student take MATH 1911 simultaneously.

Restriction: PHYS 1912 may not be credited towards a program in Science.

Antirequisite: 4U Physics; Students may not be registered in, or have credit for PHYS 1006 or PHYS 1007.

Hours: Three hours of lecture and one hour of tutorial/laboratory work per week for one term.

Credits: 3

This is an introductory physics course. The topics covered include motion in one and two dimensions, forms of energy, and linear momentum, electricity, and magnetism.

PHYS 1006 General Physics I: Mechanics

Prerequisite: 4U Physics; 4U Calculus & Vectors

Antirequisite: PHYS 1005

Hours: Three hours of lecture and three hours of laboratory work per week for one term.

Credits: 3

This course introduces fundamental notions and physical laws in classical mechanics. Topics include one- and two-dimensional motions; Newton's three laws of motion; work, kinetic energy, potential energy, work-energy theorem and energy conservation; impulse, momentum, impulse-momentum theorem and momentum conservation, collision; rotational motion, moment of inertial, torque, angular momentum and conservation law of angular momentum; Newton's law of universal gravitation, Kepler's three laws, planetary and satellite motion.

PHYS 1007 General Physics II: Mechanical Wave, Fluid Mechanics and Thermodynamics

Prerequisite: MATH 1036, PHYS 1006

It is strongly recommended that MATH 1037 be taken simultaneously.

Antirequisite: PHYS 1005

Hours: Three hours of lecture and three hours of laboratory work per week for one term.

Credits: 3

This course introduces concepts and physical laws in mechanical wave, fluid dynamics, and thermodynamics and the applications of these laws in modern technology.

PHYS 2006 General Physics III: Electromagnetism

Prerequisite: MATH 1037, PHYS 1007

It is strongly recommended that MATH 2036 be taken simultaneously.

Hours: Three hours of lecture and three hours of lab per week for one term

Credits: 3

This course covers the concepts and physical laws of electricity and magnetism, and applications of electromagnetic theory in modern science and technology. It covers: electrostatics, direct current, static magnetism, electromagnetic induction, and electromagnetic waves.

PHYS 2007 General Physics IV: Optics and Introduction to Modern Physics

Prerequisite: PHYS 2006

It is strongly recommended that MATH 2037 be taken simultaneously.

Hours: Three hours of lecture and three hours of laboratory work per week for one term.

Credits: 3

This course studies concepts and physical laws in geometric optics, physical optics, and interaction of light with matter, and provides an introduction to topics of modern physics, the theory of special relativity and quantum physics.

Political Science Courses

POLI 1006 Politics, Power and the Common Good

Prerequisite: No prerequisite.

Antirequisite: POLI 1005

Hours: Three hours of lecture per week for one term.

Credits: 3

Political questions are everywhere. Why do I have to follow laws that I think are unfair? What can I do when government power conflicts with the practice of my individual rights? How can I fulfill my obligation as a citizen when it clashes with loyalty to my family? Disagreement about how to answer these kinds of questions animates political discussion and debate. Studying politics allow you to understand the way in which our politicians answer these questions, help define and direct our laws, political structures, institutions and ideas. It also provides you the necessary skills to challenge their answers and articulate your own informed and thoughtful responses.

POLI 2106 Great Political Questions I

Prerequisite: No prerequisite.

Hours: Three hours of lecture per week for one term.

Credits: 3

Who should rule? What is the best regime? What is the good life? Why do we have war? These timeless questions are at the heart of ancient political thinking. This course explores the origins of Western politics by looking at the ideas of great thinkers such as Plato and Aristotle. By understanding the origins of politics, we will better understand the politics of today. This course may be credited towards Classical Studies, History and Philosophy.

POLI 2107 Great Political Questions II

Prerequisite: No prerequisite.

Hours: Three hours of lecture per week for one term.

Credits: 3

What is power? Can nature be controlled? Are humans good or evil? Is a bad law everyone follows better than a good law nobody follows? These questions will be asked in the context of the distinction between the state of nature and civil society, the place of democracy, the concept of sovereignty, nationalism, the rise of totalitarianism, and the early transformative influence of technology. They will be answered by reading a selection of works from early modern, late modern, and postmodern political thinkers. This course may be credited towards History and Philosophy.

POLI 2206 Introduction to Comparative Politics

Prerequisite: No prerequisite.

Hours: Three hours of lecture per week for one term.

Credits: 3

This course will introduce the comparative study of politics, outlining an empirical approach for comparing political formations with case studies in application, depending on the expertise of the professor. The course will broaden horizons by considering differences and similarities between the means and aims of various forms of association, towards an understanding of what can be learned from the political experiences of others.

POLI 2207 Democracy and Development

Prerequisite: No prerequisite.

Hours: Three hours of lecture per week for one term.

Credits: 3

What is progress and how does it translate into political terms? This course will employ a comparative approach in the analysis of development and its relation to democracy. Depending on the expertise of the professor, the course will address various institutional, cultural, historical and economic contexts of democratization towards an understanding of how the success of democratic politics and of development can be judged in their relations. This course may be credited towards Social Welfare and Social Development.

POLI 2306 The Origins of International Relations

Prerequisite: No prerequisite.

Antirequisite: POLI 2305

Hours: Three hours of lecture per week for one term.

Credits: 3

This course is an historical and theoretical consideration of the major events and philosophies that characterize the interaction of states. We will explore the fundamental divisions between war and peace; conflict and cooperation; as well as the international and the domestic. Foundational thinkers such as Thucydides, Sun Tzu and Machiavelli will be read alongside contemporary theorists. This course may be credited towards History.

POLI 2307 The Cold War and After

Prerequisite: No prerequisite.

Antirequisite: POLI 2305

Hours: Three hours of lecture per week for one term.

Credits: 3

This course is a study of Cold War politics and its continued influence on contemporary international relations. What started the Cold War and how did it end? This question will be answered by exploring the practical and ideological divisions that divided the planet in the decades following World War II. This course may be credited towards History.

POLI 2606 Public Administration

Prerequisite: POLI 1006

Antirequisite: POLI 2605

Hours: Three hours of lecture per week for one term.

Credits: 3

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 2706 Canadian Politics

Prerequisite: No prerequisite.

Antirequisite: POLI 2705

Hours: Three hours of lecture per week for one term.

Credits: 3

This course will examine Canadian politics from a domestic perspective, introducing students to the institutions of government and to the core ideas that have structured and shaped Canadian political life. The constitution, federalism, multiculturalism and the influence of Quebec will be among the subjects examined. This course may be credited towards History.

POLI 2707 Canada and the World

Prerequisite: No prerequisite.

Antirequisite: POLI 2705

Hours: Three hours of lecture per week for one term.

Credits: 3

This course will examine the unique role and influence of Canada from an international perspective. Peacekeeping/peacemaking, foreign policy, international trade, and globalization will be examined. This course may be credited towards History.

POLI 2906 Local Government in Canada

Prerequisite: POLI 1006

Antirequisite: POLI 2905

Credits: 6

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 3046 Strange Bedfellows: Politics and Healthcare

Prerequisites: POLI 1006 or registered in the BScN program

Hours: Three hours of lecture per week for one term.

Credits: 3

This course examines the political evolution and origins of “health” and “healthcare.” Healthcare systems and policies are considered in the context of the modern state and corresponding ways that healthcare is politically financed and delivered.

Students engage critical, comparative and philosophical approaches to questions of human health in Canada and around the world. The proliferation and safety of new drugs, controversies around new categories of diagnosis, and the growing influence of biotechnology are among the issues explored.

POLI 3106 Great Political Questions III

Prerequisite: POLI 2106 and POLI 2107

Hours: Three hours of lecture per week for one term.

Credits: 3

This course takes a closer look at twenty-first century debates in political thinking. We will consider the future of politics, the nature of citizenship, and the nation-state in an era of globalization and technological change.

POLI 3116 How Political Ideas Changed the World

Prerequisite: Six credits of Political Science at the 1000 or 2000 level.

Hours: Three hours of lecture per week for one term.

Credits: 3

This course is an examination of origins and development of ideologies as well as the influence of ideology on modern and contemporary politics. While ideologies have spawned oppressive regimes, they have also brought forth liberating social, economic, and political changes. Ideologies covered may include liberalism, conservatism, socialism and communism, and fascism.

POLI 3206 Conflict and Unity: Political Culture in the 21st Century

Prerequisite: No prerequisite.

Hours: Three hours of lecture per week for one term.

Credits: 3

Political culture has been resurgent in the post-Cold War world as a significant bond for communities, as well as a potential source of conflict. This course will consider in what ways culture brings people together and in what ways it can divide them. Specific topics may include sub-national identities, ethnic conflict, separatism, civilizational identities, democratic cultures, language rights, and experiences in multi-culturalism, drawing on specific case study comparisons depending on the expertise of the professor.

POLI 3207 The Power of Political Institutions

Prerequisite: No prerequisite.

Hours: Three hours of lecture per week for one term.

Credits: 3

This course will include comparisons of the governing institutions in industrialized countries from Canada to the United States, to the United Kingdom, Scandinavia and Europe. Specific topics for comparison may include health care, electoral systems, foreign policies and comparative political economy. According to the expertise of the professor this course may take on a specific topical focus from year to year.

POLI 3306 Selected Topics I

Prerequisite: Six credits of Political Science at the 1000 or 2000 level.

Hours: Three hours of lecture per week for one term.

Credits: 3

The theme and content of this course will change from year to year. Topics may include political judgment, leadership, civic responsibility, and technology. The specific topics will be made available to students during registration in each year of offering.

POLI 3307 Selected Topics II

Prerequisite: Six credits of Political Science at the 1000 or 2000 level.

Hours: Three hours of lecture per week for one term.

Credits: 3

The theme and content of this course will change from year to year. Topics may include imperialism, war, diplomacy, development and globalization. The specific topics will be made available to students during registration in each year of offering. Topic: European Politics.

POLI 3506 Religion and Politics

Prerequisites: 24 credits completed.

Antirequisites: RLCT 3506

Hours: Three hours of lecture per week for one term.

Credits: 3

A study of the complex relationship between religious and political life. Topics will include the nature of leadership and authority, secularization, and the limits of tolerance. Special attention will be paid to the changing nature of the relationship between religion and public life in modern secular states.

POLI 3535 Women and Politics in Canada

Prerequisite: POLI 1006

Hours: Three hours of lecture per week.

Credits: 6

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.

POLI 3606 Governance in the Canadian Public Sector

Prerequisite: POLI 2606

Hours: Three hours of lecture per week for one term.

Credits: 3

This course encourages students in Political Science to examine the various institutional and non-institutional strategies utilized by government organizations to improve the democratic process. The current role of the state in a globalized world will be analyzed from the perspective of improving the roles and responsibilities of citizens. The influence of New Public Management (NPM) on governance and governance processes will also be examined.

POLI 3607 Public Policy

Prerequisite: POLI 2606

Hours: Three hours of lecture per week for one term.

Credits: 3

This course introduces the student to the theory, concepts and models of public policy making, with particular emphasis on Canada. The roles and actions of the various key players in the policy process are examined. Particular emphasis is also given to the implementation aspects of public policy in a federalist state.

POLI 4105 Directed Studies

Prerequisite: Six credits in upper year Political Science and/or permission of the instructor. Students must be in either the third or fourth year of an honours 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: 6

Qualified students may do special studies in Political Science beyond or outside regular discipline offerings. Students are required to carry out a supervised, independent research project. Examination of the secondary literature in the topic area and the writing of a major paper are required.

POLI 4205 Honours Seminar

Prerequisite: POLI 2106 and POLI 2107
Restricted to students in the third or fourth year of an Honours Political Science program.
Hours: Three hours of lecture and seminar per week.
Credits: 6

This course consists of weekly seminar meetings where students will make presentations on and discuss a given set of readings. Students will be expected to write a major research essay of no less than 10,000 words.

POLI 4306 Concepts of Leadership

Prerequisite: POLI 2106 and POLI 2107
Hours: Three hours of lecture per week for one term.
Credits: 3

This course provides students with an exposure to theories of leadership; to trace the roots of these theories in the historic and philosophical perspectives that influence them; and to offer the basis for their critical evaluation. Concepts of decision making; public responsibility, the common good, and intergenerational leadership are discussed.

Psychology Courses

PSYC 1036 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

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.

PSYC 1106 Introduction to Psychology I

Prerequisite: No prerequisite.
Antirequisite: PSYC 1105
Hours: Three hours of lecture per week and two hours of laboratory work every second week for one term.
Credits: 3

This course is a survey of various perspectives and fields of psychology with reference to the historical development of the discipline. The course stresses scientifically-based biological and environmental explanations of human and animal behaviour. The course topics include the scientific method, brain structure and function, genetic and physiological influences, the senses, and sleep, dreaming, and consciousness, and the major psychological theories - psychoanalytic, behaviouristic, humanistic, cognitive, biological, and evolutionary. The laboratory portion gives students "hands-on" experience to develop 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.

PSYC 1107 Introduction to Psychology II

Prerequisite: PSYC 1106
Antirequisite: PSYC 1105
Hours: Three hours of lecture per week and two hours of laboratory work every second week for one term.
Credits: 3

This course builds on Introduction to Psychology I and continues the survey of various perspectives and fields of psychology. Further attention is focussed on topics such as research knowledge on developmental, social, personality, and motivational psychology, as well as an introduction to how this knowledge can inform applied areas of psychology such as educational psychology, intelligence testing, and psychological disorders and their treatment. 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.

PSYC 2006 Childhood Development

Prerequisite: PSYC 1106 and PSYC 1107
Antirequisite: PSYC 2005 and PSYC 2020
Hours: Three hours of lecture per week for one term.
Credits: 3

This course introduces human development from conception to adolescence. It reviews traditional theories of physical, perceptual, cognitive, social and personality development throughout childhood.

PSYC 2007 Adult Development

Prerequisite: PSYC 2006
Antirequisite: PSYC 2005 and PSYC 2020
Hours: Three hours of lecture per week for one term.
Credits: 3

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 in Summer 2008.

PSYC 2020 Developmental Psychology for Educators

Prerequisite: No prerequisite.
Restrictions: This course may not be credited towards a program or minor in Psychology.
Antirequisite: PSYC 2006, PSYC 2007 and PSYC 2005
Hours: Three hours of lecture per week.
Credits: 6

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 1106 and PSYC 1107. The relevance of research findings and theories in developmental psychology to the educational process and to situations which teachers may encounter are discussed.

PSYC 2126 Scientific Method and Analysis I

Prerequisite: PSYC 1106 and PSYC 1107

Restrictions: This is an introductory statistics course. A student in a degree program cannot retain credit for more than nine credits of introductory statistics courses.

Antirequisite: PSYC 2125

Hours: Three hours of lecture per week for one term.

Credits: 3

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.

PSYC 2127 Scientific Method and Analysis II

Prerequisite: PSYC 2126

Antirequisite: PSYC 2125

Hours: Three hours of lecture per week for one term.

Credits: 3

This course builds on the concepts introduced in PSYC 2126 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.

PSYC 2206 Learning I

Prerequisite: PSYC 1106

Antirequisite: PSYC 3306

Hours: Three hours of lecture per week for one term.

Credits: 3

Concepts, theories and applications are discussed in historical and contemporary contexts. Topics such as habituation, classical and operant conditioning, verbal learning, spatial learning, individual differences and learning theory applied to the classroom will be examined.

PSYC 2257 Psychology of Art I

Prerequisite: PSYC 1106 and PSYC 1107 or permission of the instructor.

Antirequisite: PSYC 2255

Hours: Three hours of lecture per week for one term.

Credits: 3

This course is a general survey of psychological approaches to the creative arts (music, the performing arts, the visual arts, literature, film and science). It reviews what all branches of psychology have contributed to an understanding of this topic, including the relationship of theoretical aesthetics to empirical aesthetics. The concept of creativity is examined, including its defining characteristics in art and science, the characteristics of the creative individual, and the possibility of fostering it.

PSYC 2267 Psychology of Art II

Prerequisite: PSYC 2257 or permission of the instructor.

Antirequisite: PSYC 2255

Hours: Three hours of lecture per week for one term.

Credits: 3

This course examines each of the major creative arts in terms of the psychology of perception, cognition, and emotion, as well as the biological and evolutionary bases for some aspects of the aesthetic experience and art appreciation. Specific, exemplary artworks are presented and discussed. The relationship of the sciences to the traditional arts is also investigated.

PSYC 2306 Psychology of Industry and Work I

Prerequisite: PSYC 1106 and PSYC 1107

Antirequisite: PSYC 2305 and ORGS 1136

Hours: Three hours of lecture per week for one term.

Credits: 3

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.

PSYC 2307 Psychology of Industry and Work II

Prerequisite: PSYC 2306

Antirequisite: PSYC 2305 and ORGS 1136

Hours: Three hours of lecture per week for one term.

Credits: 3

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 2506 Health Psychology

Prerequisite: PSYC 1106 and PSYC 1107

Antirequisite: PSYC 3926 if taken in 2001 or 2002

Hours: Three hours of lecture per week for one term.

Credits: 3

This course is an introduction to the area of Health Psychology. Topics covered will include psychology in medical settings, conducting health research, adhering to medical advice, defining and measuring stress, coping with pain, the psychology of diet and exercise, and behavioural factors associated with cardiovascular disease, cancer, smoking and other drugs. Students will be required to participate in discussion and present a seminar on a chosen topic.

PSYC 2605 Behavioural Neuroscience

Prerequisite: PSYC 1106

Antirequisite: PSYC 2606, PSYC 2715, PSYC 3507

Hours: Three hours of lecture and two hours of laboratory work per week.

Credits: 6

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.

PSYC 2616 Theories of Personality

Prerequisite: PSYC 1106 and PSYC 1107

Antirequisite: PSYC 2615, PSYC 3005

Hours: Two hours of lecture and one hour of seminar per week for one term.

Credits: 3

Various personality theories are explained and evaluated for their application to personality development. Personality theories of Jung, Freud, Adler, Erikson, and Rogers, among others, are discussed. Students are expected to actively participate in weekly seminars.

PSYC 2715 Biological Psychology

Prerequisite: PSYC 1106
 Antirequisite: PSYC 2605, PSYC 2606 and PSYC 3507
 Hours: Three hours of lecture per week.
 Credits: 6

An overview of the field of biological psychology is presented. The emphasis is on an examination of the relationships between behaviour and neural phenomena. The content of this course is equivalent to the lecture portion of PSYC 2605.

PSYC 2716 Emotion

Prerequisite: PSYC 1106 and PSYC 1107
 Antirequisite: PSYC 2705
 Hours: Three hours of lecture per week for one term.
 Credits: 3

This course examines emotion from the biological, psychological, and social perspectives. Theories of emotion are discussed along with the evolution, neurobiology, development, and communication of emotions. Presentation of the course material includes lectures, class discussions, class activities, and documentaries.

PSYC 2806 Sports Psychology

Prerequisite: PSYC 1106 and PSYC 1107
 Antirequisite: PSYC 3927 if taken in 2001
 Hours: Three hours of lecture per week for one term.
 Credits: 3

This course is an introduction to Sports Psychology. Topics covered will include personality and cognitive theories of motivation for sport behaviour, socialization into sport, theories of leadership, eating disorders and drug abuse in sport life, aggression and violence, and spectator behaviour. Students will be required to participate in discussion and group projects.

PSYC 2807 Introduction to Social Psychology

Prerequisite: PSYC 1106 and PSYC 1107
 Antirequisite: PSYC 3805 and PSYC 3806
 Hours: Three hours of lecture per week for one term.
 Credits: 3

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.

PSYC 2906 Sensation

Prerequisite: PSYC 1106
 Antirequisite: PSYC 2905
 Hours: Three hours of lecture per week for one term.
 Credits: 3

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 2907 Perception

Prerequisite: PSYC 2906
 Antirequisite: PSYC 2905
 Hours: Three hours of lecture per week for one term.
 Credits: 3

This course expands upon the topics covered in PSYC 2906 by considering the perceptual processing that arises from the sensory input previously examined in PSYC 2906. 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 3105 Comparative Psychology

Prerequisite: PSYC 1106 and PSYC 1107
 Hours: Three hours of lecture per week.
 Credits: 6

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.

PSYC 3116 Literacy in Psychology

Prerequisites: PSYC 2126 and PSYC 2127
 Hours: Three hours of seminar per week for one term.
 Credits: 3

The focus of this seminar course is on developing critical thinking, writing, and presentation skills. This course provides instruction in reading and thinking critically about empirical and qualitative evidence as well as integrating research evidence into psychological documents (i.e., research reports, manuscripts, book chapters). Students are introduced to research methodologies, ethics, and APA style. Students are expected to obtain their own research evidence through literature searches, participate in weekly seminar discussions, write evidence-based papers, and provide professional presentations of their work.

PSYC 3216 Psychological Measurement I: Measuring Achievement

Prerequisite: PSYC 2127
 Antirequisite: PSYC 3206, PSYC 3207, PSYC 3205
 Hours: Three hours of lecture and/or practicum per week for one term.
 Credits: 3

The fundamentals of test construction and use are discussed in the contexts of classical and modern test theory. Students will be introduced to the elements of test standardization, reliability, validity and item analysis. In particular, the pros and cons of using essay tests and objective tests to measure achievement will be discussed in association with test norms, test bias, test-wiseness, guessing, as well as legal and ethical issues. Students undertake a project to create and then evaluate an achievement test after an item analysis has been completed. This course should be useful to students who aspire to become teachers.

PSYC 3217 Psychological Measurement II: Measuring Attitude, Personality, Interest, Intelligence

Prerequisite: PSYC 3216 and PSYC 3356
 Antirequisite: PSYC 3206, PSYC 3207, PSYC 3205
 Hours: Three hours of lecture and/or practicum per week for one term.
 Credits: 3

This course offers a survey of theories and techniques in measuring attitude, personality, vocational interest, intelligence, emotional intelligence, and other psychological constructs using questionnaire surveys and observation. Students are required to create a survey questionnaire to measure a psychological construct or an attitude and from the data collected, determine its psychometric properties.

PSYC 3307 Learning II

Prerequisite: PSYC 2126, PSYC 2127 and PSYC 2206

Hours: Three hours of lecture and two hours of laboratory work per week for one term.

Credits: 3

This course provides hands on experience with some widely used preparations and procedures for studying learning and memory in animals. Experiments with animals are conducted under close supervision. Lectures cover the complexities of how the mammalian nervous system acquires and stores information and how it transforms this information into appropriate behaviour. Material builds on that provided in PSYC 2206 and is meant to be accessible to the students in the BA psychology program.

PSYC 3356 Design and Analysis I

Prerequisite: PSYC 2127

Antirequisite: PSYC 3256; CHFS 3027

Hours: Two hours of lecture and two hours of practicum per week for one term.

Credits: 3

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.

PSYC 3357 Design and Analysis II

Prerequisite: PSYC 3356

Hours: Two hours of lecture and two hours of practicum per week for one term.

Credits: 3

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.

PSYC 3405 Psychology of Education

Prerequisite: PSYC 1106 and PSYC 1107

Hours: Three hours of lecture per week.

Credits: 6

Psychological theories and research in educational psychology are introduced first and then their applications in teaching will be discussed. Topics typically discussed include physical growth, early experiences, language development, intellectual development, moral development, life-span development, sexual development, gender issues, learning theory, memory, cognitive processes, concept learning, problem solving, models of teaching, teaching objectives, attitudes, motivation, classroom discipline, IQ, special education, educational measurement and evaluation.

PSYC 3506 Neuropharmacology

Prerequisite: PSYC 2605

Hours: Three hours of lecture per week for one term.

Credits: 3

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.

PSYC 3606 Psychopathology I

Prerequisite: PSYC 1107 and PSYC 2616

Antirequisite: PSYC 3605

Hours: Three hours of lecture per week for one term.

Credits: 3

This course provides an overview of the psychoanalytic, behavioural, humanistic, cognitive, biological and eclectic approaches to understanding, describing and classifying mental disorders. The social and legal issues in psychopathology will also be discussed.

PSYC 3607 Psychopathology II

Prerequisite: PSYC 3606

Antirequisite: PSYC 3605

Hours: Three hours of lecture per week for one term.

Credits: 3

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.

PSYC 3615 Psychological Disorders in Children

Prerequisite: PSYC 2006, PSYC 2007 and PSYC 2616

Hours: Three hours of lecture per week.

Credits: 6

This course critically examines the description, classification, determinants and treatment of the developmental 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.

PSYC 3616 Personality and Adjustment

Prerequisite: PSYC 2127 and PSYC 2616

Antirequisite: PSYC 2615, PSYC 3005

Hours: Two hours of lecture and one hour of seminar per week for one term.

Credits: 3

The focus of this course is on understanding the contribution of personality to daily functioning. Empirical findings regarding basic personality processes, personality development and adjustment, personality assessment, and personality disorders are among the topics covered in this course. Students are expected to actively contribute to weekly seminars.

PSYC 3636 Psychology of Corrections

Prerequisite: PSYC 2127 and PSYC 3616

Antirequisite: PSYC 3635, CRJS 3106, CRJS 3107

Hours: Three hours of lecture and discussion per week for one term.

Credits: 3

The psychological aspects of the criminal justice system are evaluated with a focus on the role of psychologists and social science research. Topics include the psychology of policing, investigations, eyewitness evidence, sentencing, and institutional care as well as

other topics of interest. Students are expected to present research on a specific topic and to engage in some practicum experiences.

PSYC 3705 Cognitive Psychology

Prerequisite: PSYC 2126 and PSYC 2127

Hours: One and one-half hours of lecture and one and one-half hours of laboratory work per week.

Credits: 6

This course reviews 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.

PSYC 3716 Motivation

Prerequisite: PSYC 2716

Antirequisite: PSYC 2705

Hours: Three hours of lecture per week for one term.

Credits: 3

This course critically examines motivation in human beings and animals. Theories and research related to motivation will be discussed. General topics include behavioural, instinctual, physiological, and cognitive aspects of motivation, the impact of emotion on motivation, and motivational systems.

PSYC 3807 Applied Social Psychology

Prerequisite: PSYC 2807

Antirequisite: PSYC 3805

Hours: Three hours of lecture per week for one term.

Credits: 3

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 3906 Special Topics in Psychology I

Prerequisite: PSYC 1106 and PSYC 1107

Hours: Four hours of lecture/practicum work per week for one term.

Credits: 3

This course provides advanced coverage of particular topics in psychology. Specific content will vary from year to year.

PSYC 3907 Special Topics in Psychology II

Prerequisite: PSYC 1106 and PSYC 1107

Hours: Four hours of lecture/practicum work per week for one term.

Credits: 3

This course provides advanced coverage of particular topics in psychology. Specific content will vary from year to year.

PSYC 3916 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

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.

PSYC 3917 Special Projects Course

Prerequisite: PSYC 2126 and PSYC 2127 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

Students will normally enrol in PSYC 3916 prior to enrolling in PSYC 3917. 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.

PSYC 3926 Special Topics in Psychology III

Prerequisite: PSYC 1106 and PSYC 1107

Antirequisite: PSYC 3266 if PSYC 3926 was taken prior to Spring term 1994.

Hours: Four hours of lecture/practicum work per week for one term.

Credits: 3

This course provides advanced coverage of particular topics in psychology. Specific content will vary from year to year.

PSYC 3927 Special Topics in Psychology IV

Prerequisite: PSYC 1106 and PSYC 1107

Hours: Four hours of lecture/practicum work per week for one term.

Credits: 3

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.

PSYC 4005 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

This course surveys the development of modern psychology and reviews and critically examines the major systems and theories in psychology.

PSYC 4105 Senior Empirical Thesis

Prerequisite: PSYC 3356 and PSYC 3357 with a minimum grade of 70% in each. 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.

Antirequisite: PSYC 4115

Credits: 6

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.

PSYC 4206 Clinical Psychology I: Introduction to Counselling

Prerequisite: PSYC 3606 and PSYC 3607

Restrictions: Completion of at least 42 credits in Psychology in the honours program including the above.

Antirequisite: PSYC 4205

Hours: Three hours of lecture per week for one term.

Credits: 3

This course reviews existing guidelines for clinical practice and research. The major theoretical positions in counselling and psychotherapy are reviewed including statutes that affect applied psychology, cultural and ethnic influences, religious and sex/gender biases, duties to inform/report, and psychology in the courts. Ethical issues in training and supervision are also discussed.

PSYC 4207 Clinical Psychology II: Introduction to Assessment

Prerequisite: PSYC 3217 and PSYC 4206

Antirequisite: PSYC 4205

Hours: Two hours of lecture and one hour of laboratory work per week for one term.

Credits: 3

This course offers a survey of theories and techniques of clinical assessment, featuring the use of projective tests, questionnaire, interview, and ability assessment techniques. The course also lays a foundation in understanding the background of testing strategies including discussion of test use in clinical practice, special problems in the assessment of children and diverse cultural groups, neuropsychological assessment and other topics.

PSYC 4215 Senior Research Seminar

Prerequisite: PSYC 3356

Antirequisite: PSYC 4105 and PSYC 4115

Restrictions: Restricted to students in the fourth year of the Honours Psychology program.

Hours: Three hours of seminar per week.

Credits: 6

This course is a non-empirical investigation of an issue or problem in psychology. In consultation with the course instructor, the student will choose an appropriate topic and write a major paper using one of the following approaches: A critical review of their selected topic or the development of a research question which will be addressed by an examination of the relevant literature. Each student will also prepare a prospectus of their paper which will be presented to the class. The course instructor provides advice and evaluates the student's performance in carrying out the research and evaluates the final paper. Students are expected to work independently on their major research paper outside of class time.

PSYC 4257 Multivariate Statistics

Prerequisite: PSYC 3356 and PSYC 3357

Antirequisite: PSYC 3257 and SOCI 4127

Hours: Three hours of lecture and one hour of practicum per week for one term.

Credits: 3

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. This course is strongly recommended to those students who are planning to pursue graduate studies in psychology.

PSYC 4616 Neural Bases of Consciousness

Prerequisite: Restricted to students in the fourth year of the Honours Psychology or Honours Biology program, or permission of the instructor.

Hours: Three hours of lecture per week for one term.

Credits: 3

It is generally accepted that consciousness is a property of brain function. This course examines current literature in the neural bases of conscious experience and provides the student with an opportunity to critically and creatively evaluate the current theoretical status of "consciousness" from the neuroscience perspective. The course is intended for students with a background in biology and/or behavioural neuroscience.

PSYC 4637 Psychology of Crime and Victimization

Prerequisite: PSYC 3636 and fourth year standing

Antirequisite: PSYC 3635

Hours: Three hours of lecture and discussion per week for one term.

Credits: 3

The psychological aspects of crime from both the criminal and victim perspectives are discussed. Particular emphasis is placed upon research into the psychology of criminal and victims. Topics will include crime and mental disorders, murder, assault, sexual violence, and family violence. Crime will be discussed with respect to emotion, behaviour, biology, and environment. Information will also be presented on assessment protocols, offender and victim research, the prediction of dangerousness, young offenders, and victim impact and outcomes. Students are expected to present research on specific topics and to actively contribute during seminars. Students are also expected to engage in some practicum experiences.

PSYC 4706 Advanced Neuroanatomy

Prerequisite: PSYC 2605

Hours: Three hours of lecture and two hours of laboratory work per week for one term.

Credits: 3

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.

Religions and Cultures Courses

RLCT 1025 Introduction to World Religions and Cultures

Prerequisite: No prerequisite.

Antirequisite: RLST 1020

Hours: Three hours of lecture per week.

Credits: 6

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.

RLCT 2016 Life Rites: Ceremonies and Celebrations

Prerequisite: RLCT 1025

Hours: Three hours of lecture per week for one term.

Credits: 3

Ceremonies and celebrations mark significant milestones in an individual's life. Aside from their festive quality, these ceremonies function on a variety of interconnected levels. Ceremonies marking important life events intersect the private and the public sphere, and are embedded in social as well as religious contexts. This course will examine celebrations such as birth, wedding, and coming-of-age ceremonies from both eastern and western religious traditions in order to understand the important role of these ceremonies in providing form and meaning in the lives of individual persons as well as entire communities. This course will also examine how these ceremonies reinforce notions of belonging, community, and culture.

RLCT 2017 Death and Immortality

Prerequisite: RLCT 1025

Hours: Three hours of lecture per week for one term.

Credits: 3

Attitudes about death and the afterlife vary greatly from culture to culture. The process of death can affect individuals as well as communities on personal, familial, social, religious and cultural levels. This course will explore a variety of religious responses to death and dying, and notions of the afterlife and immortality, as they are expressed in religious, philosophical and literary texts. Some of the central ideas for this discussion will be: What is revealed in the human confrontation with death? What happens after death? What does life mean in the face of death? What are the religious/spiritual/ethical implications?

RLCT 2025 Themes in Religion

Prerequisite: RLCT 1025

Antirequisite: RLST 2020

Hours: Three hours of lecture per week.

Credits: 6

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.

RLCT 2026 The Roots of Evil

Prerequisite: RLCT 1025

Hours: Three hours of lecture per week for one term.

Credits: 3

What is evil? Can evil be reconciled with belief in God? How are we to respond to evil? Is evil still a useful category? This course explores such questions from historical and contemporary perspectives as they relate to both secular and religious ideas. This includes examinations of evil in sacred and classical texts, as well as modern perspectives found in theology, philosophy, literature, and the sciences. Topics may include symbols of evil, human responsibility, theodicy, suffering, and structural evil.

RLCT 2036 History of Christian Thought I

Prerequisite: RLCT 1025 or six credits of History at the first year level.

Hours: Three hours of lecture per week for one term.

Credits: 3

A study of the principle ideas, persons, and historical movements which determined the development of the Christian tradition

from the early Church Fathers, through the Middle Ages, to the Reformation of the 16th century. The course will explore the intellectual origins of the main branches of Christianity – Roman Catholicism, Orthodoxy, and Protestantism. This course may be credited towards History.

RLCT 2037 History of Christian Thought II

Prerequisite: RLCT 1025 or six credits of History at the first year level.

Hours: Three hours of lecture per week for one term.

Credits: 3

A study of the principal ideas, persons, and historical movements in the development of the Christian tradition from the Reformation to the 20th century. Attention will be given to the main features of Roman Catholic, Orthodox, and Protestant thought during this period, and particularly the attempt to come to terms with the development of modern culture. This course may be credited towards History.

RLCT 2045 Health, Healing and Religion

Prerequisite: 24 credits completed.

Hours: Three hours of lecture per week.

Credits: 6

This course examines the connections between spirituality and healing. We will begin by looking at conceptual issues such as modern/scientific versus traditional concepts of health and the body across cultures. The course will conclude with a discussion of the possibility of dialogue between the various healing modalities and allopathic medicine.

RLCT 2046 Critical Themes in Eastern Religious Thought

Prerequisite: RLCT 1025

Hours: Three hours of lecture per week for one term.

Credits: 3

This course examines important methodological, historical and critical themes in Eastern religious traditions. Topics of discussion may include: eastern ideas of the divine, the feminine face of God, and pathways to the sacred including meditation, ritual and pilgrimage. Contemporary themes may include: the hazards of Orientalism and the dialogue between east and west.

RLCT 2056 Religion and Violence

Prerequisite: RLCT 1025

Hours: Three hours of lecture per week for one term.

Credits: 3

While most religious traditions espouse doctrines of non-violence, history bears witness to a longstanding association between religion and personal and collective episodes of violence and conflict. Through a consideration of both Western and Eastern religious traditions this course will consider the beliefs, doctrines and ideologies which support violent behaviour despite doctrines of non-violence. This course may be credited to Gender Equality and Social Justice.

RLCT 2057 Peace and Non-Violence

Prerequisite: RLCT 1025

Hours: Three hours of lecture per week for one term.

Credits: 3

This course will examine the religious and spiritual foundations of non-violence in various religious traditions, with a view to the ethical motivation and goal of non-violent action. Attention will be directed towards the religious pursuit of inner peace as the means for living non-violently, drawing on thinkers like Gandhi

and Tolstoy, who saw the ethics of non-violence as inextricably tied to political, social and religious life. This course may be credited towards Gender Equality and Social Justice.

RLCT 2066 Death, Dying and Spirituality

Prerequisite: 24 credits completed.

Hours: Three hours of lecture per week for one term.

Credits: 3

This course will introduce students to the spiritual dimensions of death and dying in various religious contexts and cultures. Attention will be given to spiritual practice and forms of spiritual therapy used with the dying in conversation with medical models of healing in end of life care.

RLCT 2067 Special Topics in Religions and Cultures

Prerequisite: RLCT 1025

Hours: Three hours of lecture per week for one term.

Credits: 3

This course allows students to explore areas or themes within the discipline of religions and cultures at the second year level. The topic changes from year to year according to the expertise of the professor.

RLCT 2126 Religious Themes in Literature

Prerequisite: RLCT 1025 or ENGL 1105 or ENGL 1106 and ENGL 1107.

Antirequisite: RLCT 2125

Hours: Three hours of lecture per week for one term.

Credits: 3

This course will approach the study of religion through literature. How does literature inform our understanding of religion, and vice versa? We will ask how modern authors communicate and even challenge religious themes and ideas through literature, and how their works grapple with essential religious questions and issues. Themes and texts may vary from year to year. This course may be credited towards English Studies (Group 2).

RLCT 2127 The Bible as Cultural Text

Prerequisite: RLCT 1025 or ENGL 1105 or ENGL 1106/1107

Antirequisite: ENGL 2127

Hours: Two hours of lecture and one hour of tutorial per week for one term.

Credits: 3

From modern cinema to poetry, pop fiction to Broadway, the Bible pervades the Western cultural imagination. Students examine the stories and poetry of the Bible through the lens of literature, film, art and music. Topics may include the Fall, sacrifice, suffering, sexuality, the body, heroism, authorship, and death. This course is cross-coded with English Studies (Group 2).

RLCT 2205 Sacred Cinema: Film and the Search for Meaning

Prerequisite: RLCT 1025 or PHIL 1115

Hours: Four hours of lecture per week.

Credits: 6

Drawing on mainstream US and independent cinema, as well as world cinema, this course will examine the way film is uniquely positioned to convey and express religious themes, ideas and values. Students will be introduced to a range of critical, theoretical and interpretive approaches to film which will then be applied to specific films and specific themes. This course may be credited towards Film and Philosophy. This course may be credited towards

Film and a Major in Fine Arts (Art History and Visual Studies stream) and Philosophy.

RLCT 3026 Women and World Religions

Prerequisite: RLCT 1025 or GEND 1025

Antirequisite: GEND 3026

Hours: Three hours of lecture per week for one term.

Credits: 3

This course will examine the presence and influence of women and the feminine across a number of world religious traditions, including Buddhism, Hinduism, Taoism, African religious traditions, Islam and animistic religions. The course will draw on contemporary writings from feminist scholars and reflect on the contributions women have made to the study of religion. This course may be credited towards Gender Equality and Social Justice.

RLCT 3036 Thinking Religion Now

Prerequisite: RLCT 1025 or PHIL 1115

Antirequisite: RLCT 3035

Hours: Three hours of lecture per week for one term.

Credits: 3

What does it mean to be religious in the modern world? Is there a distinctively religious way of thinking? What contribution can religion make to modern thought? Students explore these questions and others from theological, philosophical and literary perspectives. This course may be credited towards Philosophy.

RLCT 3037 Figures in 20th Century Religious Thought

Prerequisite: RLCT 1025 or PHIL 1115

Antirequisite: RLCT 3035

Hours: Three hours of lecture per week for one term.

Credits: 3

The 20th century saw marked changes in the way many cultures experienced and understood the place of religion in everyday life. This course will allow for the in-depth study of a particular thinker who set the agenda for religious thought in the modern context. Possible subjects of study include Karl Barth, Martin Buber, Franz Rosenzweig, Rosemary Radford Reuther, Edward Said. This course may be credited toward Philosophy.

RLCT 3046 Religion and Science

Prerequisite: 24 credits completed.

Hours: Three hours of lecture per week for one term.

Credits: 3

Are religion and science in fundamental conflict? Do the discoveries of modern science make religious views of the world obsolete? Or is there the possibility of dialogue and reconciliation? This course explores such questions by examining the complex relation of religion and science in historical and contemporary contexts. Topics may include the historical impacts of Galileo, Newton, and Darwin as well as contemporary approaches, which range from atheistic interpretations to creationism to theistic evolution.

RLCT 3105 Special Topics in Religions and Cultures

Prerequisite: RLCT 1025

Hours: Three hours of lecture per week.

Credits: 6

This course will allow students an extended opportunity over two semesters to concentrate on one area or theme within the discipline of religions and cultures. The specific topic or theme for this course will change from year to year. It is recommended that students

consult with the program coordinator regarding the specific theme for each year.

RLCT 3116 Women and Western Religions

Prerequisite: RLCT 1025 or GEND 1025

Antirequisite: GEND 3116 and RLST 3116 and WOMN 3116

Hours: Three hours of lecture per week for one term.

Credits: 3

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.

RLCT 3117 Gender and the Bible

Prerequisite: RLCT 1025 or GEND 1025

Antirequisite: WOMN 3117 or GEND 3117

Hours: Three hours of lecture per week for one term.

Credits: 3

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.

RLCT 3205 Philosophy of Sex and Love

Prerequisite: PHIL 1115 or GEND 1025

Antirequisite: GEND 3205 and PHIL 3205

Hours: Three hours of lecture per week.

Credits: 6

Attitudes and beliefs surrounding the virtues of sex and love have changed dramatically over time and across cultures. Moreover as two of the most central aspects of human life and human experience, both sex and love have variously been seen as either ways to the divine or impossible obstacles. This course offers a critical engagement with a range of philosophical and religious ideas which have shaped both Western and Eastern understandings of the role of sex and love in human relationships and human societies. Particular attention will also be paid to the way these concepts are inseparable from gender ideologies.

RLCT 3206 Constructing Religion; Theorizing God: Theory and Method in the Study of Religion

Prerequisite: RLCT 1025

Hours: Three hours of lecture per week.

Credits: 3

A study of the variety of methods used to study the phenomenon of religion. The course will deal with the history of the discipline of religious studies, the theoretical tools used to define religion and several of the thinkers who have been formative in the study of religion.

RLCT 3216 Atheism, Skepticism, and Religious Faith

Prerequisite: RLCT 1025

Hours: Three hours of lecture per week for one term.

Credits: 3

This course examines modern conceptions of religious faith, religious knowledge and God. Particular attention will be paid to the challenges posed to religious faith by scepticism and atheism. The course will also explore the changing nature of religious belief as it responds to these challenges. This course may be credited towards Philosophy.

RLCT 3306 Holy Women: Mystics, Saints and Visionaries

Prerequisite: RLCT 1025 or GEND 1025; and three credits in one of the following: RLCT 3116 (GEND 3116), RLCT 3117 (GEND 3117), RLCT 3026 (GEND 3026), RLCT 3027 (GEND 3027)

Hours: Three hours of lecture per week for one term.

Credits: 3

Hours: Three hours of lecture per week for one term.

Credits: 3

Spiritual women who have felt limited in their traditional roles within religious cultures have sometimes found a fuller religious experience in personal encounters with Divinity. To be outside of mainstream religious practice has afforded some women a more intensely spiritual life, which has focused on moral purification, holiness, intellectual study, discipline, meditation, prayer and solitude. The fruits of these efforts has brought these women unexpected revelations and visions, and conferred upon them the status of mystics, saints and visionaries, revered by men and women in monastic orders. This course will examine some of these holy women, focusing on the stories of their lives, their visions, their struggles and their contribution to spiritual direction and self-realization for women. This course may be credited towards Gender Equality and Social Justice.

RLCT 3307 Spiritual Journeys

Prerequisite: RLCT 1025

Hours: Three hours of lecture per week for one term.

Credits: 3

The inner search for spiritual identity and meaning is at the heart of many religious traditions and cultures. This course is an introduction to the nature of religious experience as interpreted through the personal life journeys of selected individuals from a variety of religious traditions. This will be accomplished primarily through a focus on spiritual autobiographies, memoirs, essays and letters.

RLCT 3406 Sacred Space

Prerequisite: RLCT 1025

Hours: Three hours of lecture per week for one term.

Credits: 3

This course will address the significance of space for religious practice, focusing on the distinction between what makes spaces (or places) either sacred or profane. We will explore how human cultures have always expressed their ideas of the sacred in spatial terms. Using the work of thinkers like Mircea Eliade, the notions of the sacred and the profane will inform our analysis of gardens, architecture, cloisters, churches, synagogues, temples and mosques.

RLCT 3506 Religion and Politics

Prerequisite: 24 credits completed.

Antirequisite: POLI 3506

Hours: Three hours of lecture per week for one term.

Credits: 3

A study of the complex relationship between religious and political life. Topics will include the nature of leadership and authority, secularization, and the limits of tolerance. Special attention will be paid to the changing nature of the relationship between religion and public life in modern secular states.

RLCT 3507 Religion and the Environment

Prerequisite: RLCT 1025

Antirequisite: RLCT 3105 if taken in 2007-2008 or Spring 2008

Hours: Three hours of lecture per week for one term.

Credits: 3

This course will examine the role of religion in shaping attitudes towards the environment. Some of the guiding questions for the course will be: how is religious belief connected to ideas about the natural world? Does religion have a vital role to play in solving the environmental crisis? Are attitudes towards women and nature linked? Are there links between environmentalism and social justice?

RLCT 4005 Guided Readings in Religions and Cultures

Prerequisite: Restricted to students in the Honours Religions and Cultures program. 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

In consultation with faculty in Religions and Cultures, students will undertake a guided readings course on a focused topic within the discipline. This course will also introduce students to the major methods of inquiry used within the discipline of Religious Studies. Research will involve the examination of secondary literature on the topic, and students will write a major paper.

RLCT 4205 Honours Seminar in Religions and Cultures

Prerequisite: 24 credits in Religions and Cultures.

Hours: Three hours of seminar per week.

Credits: 6

This course explores advanced topics in Religions and Cultures. The course will include individual seminar presentations and discussion of research conducted by students. Each student will be required to write an honours essay. Themes for the seminar will vary from year to year.

Russian Courses

RUSS 1005 Introductory Russian

Prerequisite: No prerequisite.

Hours: Three hours of lecture per week.

Credits: 6

The basic elements of Russian grammar are studied: development of the four language skills; reading, listening-comprehension, writing and speaking.

RUSS 2005 Intermediate Russian

Prerequisite: No prerequisite.

Hours: Three hours of lecture per week.

Credits: 6

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 3005 Advanced Russian

Prerequisite: RUSS 2005

Hours: Three hours of lecture per week.

Credits: 6

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.

Science and Technology Courses

STEC 3997 Practicum I

Prerequisite: Completion of at least 24 credits in a BSc Science and Technology stream. As departmental approval is required prior to registration, all students required or wishing to take this course during the following Spring/Summer or Fall/Winter session must apply to the department no later than February 15.

Antirequisite: COSC 3997

Credits: 3

In this course, the student works on an approved project, either while placed in a business enterprise/organization or supervised by a faculty member on campus. Projects may range from practical and/or experiential to theoretical. The student is expected to successfully integrate theory and skills learned in the program. Evaluation is based on the student's final report and presentation. The student's work is marked on a pass/fail basis.

STEC 4997 Practicum II

Prerequisite: Completion of at least 36 credits in a BSc Science and Technology stream. As departmental approval is required prior to registration, all students required or wishing to take this course during the following spring/summer or fall/winter session must apply to the department no later than February 15.

Antirequisite: COSC 4997

Credits: 3

In this course, the student works on an approved project, either while placed in a business enterprise/organization or supervised by a faculty member on campus. Projects may range from practical and/or experiential to theoretical. The student is expected to successfully integrate theory and skills learned in the program. Evaluation is based on the student's final report and presentation. The student's work is marked on a pass/fail basis.

Social Welfare and Social Development Courses

SWLF 1006 Introduction to Social Welfare and Social Development

Prerequisite: No prerequisite.

Antirequisite: SWLF 1005

Hours: Three hours of lecture per week for one term.

Credits: 3

This course provides an overview of the social, economic, and political context of social welfare and social development, considering how we can meet human needs and advance individual and social well-being. The course focuses on inequality and the groups that have been underrepresented in the distribution of

resources, opportunities, and power. Topics covered may include social welfare, social development, poverty, justice, human rights, democracy, capitalism, globalization, race, class, and gender.

SWLF 2006 Ideology and Social Welfare

Prerequisite: SWLF 1006 or SWLF 1005

Antirequisite: SWLF 2105, SWLF 3105 and SWLF 3107

Hours: Three hours of lecture per week for one term.

Credits: 3

This course analyses ideologies and their relationship to government decisions about social welfare. Ideologies examined may include conservatism/neoconservatism, liberalism/neoliberalism, social democracy, Marxism, feminism, anti-racism, environmentalism, and Aboriginal perspectives. Attention is given to the effect of values, beliefs, social structures, and power on policy choices regarding the distribution of resources and rights.

SWLF 2007 Poverty and Social Policy in Canada

Prerequisite: SWLF 1006 or SWLF 1005

Antirequisite: SWLF 2105, SWLF 3105 and SWLF 3107

Hours: Three hours of lecture per week for one term.

Credits: 3

This course analyzes poverty as a central issue in the modern Canadian welfare state. Definitions of poverty, rates of poverty, and causes and effects of poverty will be examined. Topics covered may include full employment, training, unemployment insurance, social assistance, workfare, minimum wages, pensions, social housing, child care, child tax benefits, guaranteed annual incomes, and private charities such as food banks. Students are introduced to theories of public policy analysis.

SWLF 2995 Community Service-Learning for Social Development

Prerequisites: SWLF 1006 or SWLF 1005

Antirequisites: SWLF 3995

Hours: Three hours of lecture/practicum per week.

Credits: 6

The focus of this course is a community service-learning (CSL) practicum which provides students with applied experiences in social development. During in-class sessions students will learn about theories of social development and CSL, examples of social development approaches and CSL, the causes and effects of the social issues dealt with in the placements, and engage in critical reflection on their experiences with the CSL placements.

SWLF 3006 Social and Economic Justice

Prerequisite: SWLF 1006 or SWLF 1005

Antirequisite: SWLF 3105 and SWLF 3106

Hours: Three hours of lecture per week for one term.

Credits: 3

This course examines the ownership, control and distribution of resources in society, with a particular emphasis on the arguments that have been made for and against equality. Key concepts considered include capitalism, socialism, the state, class, democracy, freedom, rights and human needs.

SWLF 3007 History of Social Welfare

Prerequisite: SWLF 1006 or SWLF 1005

Antirequisite: SWLF 2606

Hours: Three hours of lecture per week for one term.

Credits: 3

This course surveys the origins of public welfare in England, with an emphasis on the old poor law, settlement laws, Speenhamland

and the new poor law of 1834. Attention will then be given to the development of social welfare in the United States and Canada from the colonial period to the present day. This course may be credited towards History.

SWLF 3116 Health Care and Health Policy

Prerequisite: Any 24 credits completed.

Hours: Three hours of lecture per week for one term.

Credits: 3

This course examines issues in the delivery and quality of health care. Particular attention is given to the social, economic, political, and environmental influences on health and illness, as well as the relationship between disease and social structures. Topics covered may include poverty and health, gender and health, ethnicity and health, family and child health, sexual and reproductive health, mental health, the health sector workforce, the pharmaceutical industry, Medicare and the Canada Health Act, and ongoing reforms to the health care system.

SWLF 3146 Work

Prerequisites: Any 24 credits completed.

Hours: Three hours of lecture per week for one term.

Credits: 3

This course examines paid work and its role in both the well-being and the alienation of individuals and communities. Topics covered may include the division of labour, unemployment, underemployment, job training, job insecurity, low-waged work, scientific management, the restructuring of labour processes, trade unions, collective bargaining, and workers' control of production.

SWLF 3266 Religion and Social Welfare

Prerequisites: Any 24 credits completed.

Hours: Three hours of lecture per week for one term.

Credits: 3

This course examines the role of the major world religions and faith-based organizations in the delivery of social services in both developed and developing countries. Topics covered may include the role and effectiveness of religious groups in meeting social needs, the ways in which religious values shape social policy, the relationship between social welfare and faith-based political movements, the accommodation of religious diversity, public and private sector cooperation and conflict in the provision of public services, and debates on freedom of religion and the separation of church and state. This course may be credited towards Religion and Cultures.

SWLF 3296 Globalization and the Welfare State

Prerequisite: Any 24 credits completed.

Hours: Three hours of lecture per week for one term.

Credits: 3

This course focuses on the welfare state in the era of globalization. It examines the different levels of social development and inequality in advanced capitalist societies. Topics covered may include labour market policies, social assistance, unemployment insurance, health care, family allowances, and child care.

SWLF 3307 Social Development in the Third World

Prerequisite: Any 24 credits completed.

Hours: Three hours of lecture per week for one term.

Credits: 3

This course surveys social development in the Third World. Topics covered may include colonialism, imperialism, global capitalism, trade, labour markets, industrialization, urbanization, migration,

poverty reduction targets, social safety nets, gender equity, and ethnic and indigenous peoples' activism.

SWLF 3406 Colonialism in First Nations' Communities

Prerequisite: Any 24 credits completed.

Antirequisite: SWLF 3405, NATI 3405, NATI 3406

Hours: Three hours of lecture per week for one term.

Credits: 3

This course examines colonialism in First Nations' communities from contact with Europeans to the 1960s. Topics covered may include early patterns of treaty making, the imposition of a colonial relationship, measures of control and assimilation, the Indian Act, residential schools, relocation of Aboriginal communities, and the 1969 White Paper.

SWLF 3407 Social Development in First Nations' Communities

Prerequisite: Any 24 credits completed.

Antirequisite: SWLF 3405, NATI 3405, NATI 3407

Hours: Three hours of lecture per week for one term.

Credits: 3

This course examines social development in First Nations' communities from the 1970s to the present. Topics covered may include treaties, self-determination and self-government, land claims, access to and management of natural resources, economic development, family life, child welfare, urban Aboriginal populations, health and healing, housing, education, and culture.

SWLF 3446 Women and Social Welfare

Prerequisite: Any 24 credits completed.

Antirequisite: SWLF 3445

Hours: Three hours of lecture per week for one term.

Credits: 3

This course examines the relationship between women and social welfare. We analyze the conflicts between work and family life, and the policies and programs that have been developed to respond to these conflicts. Topics discussed may include women's work, women's unpaid labour and caring roles, women's movements, the feminization of poverty and migration, women's rights, access to quality services, and participation in decision making.

Throughout the course, women's experiences, both in and outside of the classroom, are an important source of information and learning. This course may be credited towards Gender Equality and Social Justice.

SWLF 3506 Social Change for Social Justice

Prerequisite: Any 24 credits completed.

Antirequisite: SWLF 3505

Hours: Three hours of lecture per week for one term.

Credits: 3

This course explores various methods of advocating for social justice. Past and current anti-oppression strategies and other social change approaches will be studied. Topics discussed may include social movements, electoral politics, consumer/citizen activism, professional activism, popular education, participatory action research, the arts and social change, the media, public protest, and social change leadership.

SWLF 3706 Crime, Wealth and Poverty

Prerequisite: Any 24 credits completed.

Antirequisite: SWLF 3705

Hours: Three hours of lecture per week for one term.

Credits: 3

This course considers the relationship between the justice system and inequalities that are rooted in race, class, and gender, with an emphasis on the nature of legal problems faced by poor people. Topics covered may include the social construction of crime, media coverage of crime, corporate crime, the relation between economic inequality and criminal behaviour, the policing of socially marginalized groups, the provision of legal services to the poor, and the war on drugs.

SWLF 3806 Family Violence

Prerequisite: Any 24 credits completed.

Antirequisite: SWLF 3805

Hours: Three hours of lecture per week for one term.

Credits: 3

This course examines the problem of violence within the family. Topics may include child abuse and neglect, intimate partner abuse, elder abuse, and sexual violence. We also explore the role of professionals (in fields like criminal justice, mental health, and child welfare) in the detection, treatment, and prevention of violence and abuse. This course may be credited towards Gender Equality and Social Justice.

SWLF 3807 Social and Political Violence

Prerequisites: Any 24 credits completed.

Hours: Three hours of lecture per week for one term.

Credits: 3

This course focuses on social and political violence and the long-term effects of violence on social development. Topics covered may include war, genocide, state repression, terrorism, colonialism, rebellions and insurgencies, and ethnic and religious conflicts.

SWLF 3826 Addictions

Prerequisite: Any 24 credits completed.

Antirequisite: SWLF 3825

Hours: Three hours of lecture per week for one term.

Credits: 3

This course examines the history, theories, and social impacts of addiction. It emphasizes the policies, programs, and institutions that deal with the prevention and treatment of addiction. Specific topics covered may include the law and addiction, self-help groups, women and addiction, and Aboriginal culture and addiction.

SWLF 3916, SWLF 3917, SWLF 3926, SWLF 3927 Selected Topics in Social Welfare and Social Development

Prerequisite: Any 24 credits completed.

Hours: Three hours of lecture per week for one term.

Credits: 3

This course surveys a selected topic in social welfare and social development and is intended to cover areas not covered by other courses. The content varies according to the specialization of the instructor teaching the course.

SWLF 4005 Research Essay

Prerequisites: Restricted to students in the fourth year of an Honours program in Social Welfare and Social Development who possess at least a 75% average in Social Welfare and Social Development. Approval of the program is required prior to registration. Students wishing to take this course during the following Fall/Winter session must apply in writing to the program no later than February 15.

Hours: Individually supervised.

Credits: 6

Under the supervision of a faculty member, the student will write an essay of 10,000 to 12,000 words based on primary and/or secondary research.

SWLF 4006 Social Development

Prerequisites: Restricted to students in the third or fourth year of an Honours program in Social Welfare and Social Development.
Hours: Three hours of lecture per week for one term.
Credits: 3

This course examines the idea of social development in the context of contemporary debates on how best to achieve human well-being and dignity, especially for people who live in poverty. Topics covered may include social exclusion, social justice, basic needs, human rights, gender equality, cultural diversity, peace and security, sustainable development, freedom and self-determination, and democracy and accountable governance.

SWLF 4007 Honours Seminar

Prerequisites: Restricted to students in the third or fourth year of an Honours program in Social Welfare and Social Development.
Hours: Three hours of lecture per week for one term.
Credits: 3

This course provides senior students with the opportunity to develop advanced research, presentation, and writing skills. The course content varies from year to year depending on the students' research interests.

Sociology Courses

SOCI 1016 Introduction to Sociology

Prerequisite: No prerequisite.
Antirequisite: SOCI 1015
Hours: Two hours of lecture and one hour of seminar per week for one term.
Credits: 3

This course will provide an understanding of the key analytical concepts within sociology, including culture, socialization, social structure, stratification, and sociological theory. Other topics may include crime and deviance, race, ethnicity and identity, aging, and sex and gender.

SOCI 2006 The Child and Society

Prerequisite: SOCI 1016; or SOCI 1015
Hours: Three hours of lecture per week for one term.
Credits: 3

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 2007 The Adolescent and Society

Prerequisite: SOCI 1016; or SOCI 1015
Hours: Three hours of lecture per week for one term.
Credits: 3

This is a course in the sociology of adolescence with a focus on the social factors which affect the behaviour and development of adolescents.

SOCI 2016 Classical Sociological Theory

Prerequisite: ANTR 1006; SOCI 1016; or SOCI 1015
Antirequisite: ANTR 2016, SOCI 2015
Hours: Three hours of lecture per week for one term.
Credits: 3

This course traces the historical development of social theory, and focuses on classical theories and theorists within the sociological tradition.

SOCI 2017 Contemporary Sociological Theory

Prerequisite: ANTR 1006; SOCI 1016; or SOCI 1015
Antirequisite: ANTR 2017, SOCI 2015
Hours: Three hours of lecture per week for one term.
Credits: 3

This course traces social theory through the 20th century, and focuses on contemporary theories and theorists within the sociological tradition.

SOCI 2036 Introduction to Social Gerontology

Prerequisite: SOCI 1016; or SOCI 1015 or enrolment in the Bachelor of Science in Nursing
Hours: Three hours of lecture per week for one term.
Credits: 3

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.

SOCI 2037 Sociology of Family and Household Relationships

Prerequisite: SOCI 1016; or SOCI 1015
Antirequisite: SOCI 2035
Hours: Three hours of lecture per week for one term.
Credits: 3

This survey course focuses on the structure and function of family and household systems, including comparative material from various cultures. Topics covered may include how household and family are formed and how these change over the life-course; the impact of other major social systems (e.g. work, school) on the family and household; socialization, mobility, illegitimacy, old age, divorce, marital adjustment and changing social roles.)

SOCI 2046 Minority Groups in Canada

Prerequisite: SOCI 1016; or SOCI 1015
Hours: Three hours of lecture per week for one term.
Credits: 3

The course investigates the relationships between various cultures (ethnic, religious, linguistic, etc.) in Canada where conflict or collaboration exists between majorities and minorities.

SOCI 2066 Social Stratification

Prerequisite: SOCI 1016; or SOCI 1015
Antirequisite: SOCI 3065
Hours: Three hours of lecture per week for one term.
Credits: 3

This survey course focuses on issues in social stratification. Topics may include the elementary forms of stratification in non-industrial societies, the development of social classes, attitudes, and behaviour patterns in Western societies, and social mobility.

SOCI 2076 Deviance and Conformity

Prerequisite: SOCI 1016; or SOCI 1015

Hours: Three hours of lecture per week for one term.

Credits: 3

This course offers a sociological analysis of deviant behaviour and conformity in relation to social structure and processes. Topics covered include the social processes underlying change and resistance in relation to definitions of 'deviant' and 'normal,' and discussion of problems of control within the social system.

SOCI 2091 Sociology for Educators I: Social Theory and Education

Prerequisite: No prerequisite.

Antirequisite: SOCI 2095

Restrictions: This course may not be credited toward a program or minor in Sociology and is only open to students in OTT or Concurrent Education during the Fall/Winter semesters.

Hours: Three hours of lecture per week for one term.

Credits: 3

This course provides an introduction to social theory and its role in the evolution of the educational system.

SOCI 2092 Sociology for Educators II: Social Issues in Education

Prerequisite: No prerequisite.

Antirequisite: SOCI 2095

Restrictions: This course may not be credited toward a program or minor in Sociology or in the Liberal sequence, and is only open to students in OTT or Concurrent Education during the Fall/Winter semesters.

Hours: Three hours of lecture per week for one term.

Credits: 3

This course provides an introduction to social theory and its role in the evolution of the educational system.

SOCI 2126 Social Research Methods (formerly SOCI 3126)

Prerequisite: SOCI 1016; or SOCI 1015

Antirequisite: SOCI 3125, SOCI 3126

Hours: Two hours of lecture and one hour of laboratory per week for one term.

Credits: 3

This course provides a comprehensive introduction to the most common research methods used in sociology. As well, this course will introduce students to SPSS (The Statistical Package for Social Sciences), a widely used program for conducting social research.

SOCI 2127 Social Statistics and Data Analysis (formerly SOCI 3127)

Prerequisite: SOCI 2126

Antirequisite: SOCI 3125, SOCI 3127

Hours: Two hours of lecture and one hour of laboratory per week for one term.

Credits: 3

This course introduces students to descriptive and inferential statistics used in sociology, and computerized data analysis of large social data sets using SPSS (The Statistical Package for Social Sciences).

SOCI 2196 Sociology of Medicine

Prerequisite: SOCI 1016; or SOCI 1015

Antirequisite: SOCI 3195

Hours: Three hours of lecture per week for one term.

Credits: 3

This survey course focuses on social and cultural aspects of disease and illness. Topics covered include social, cultural and political dimensions of health and illness; 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.

SOCI 2236 Sociology of Human Sexual Behaviour: Love, Sex, and Intimacy

Prerequisite: SOCI 1016; or SOCI 1015

Antirequisite: SOCI 2235

Hours: Three hours of lecture per week for one term.

Credits: 3

The physical, emotional, sexual, and social foundations of close relationships are examined, with particular attention to the dynamics and consequences of feelings of affection and intimacy between partners. Topics covered may include gender roles, interpersonal perception, dating, mate selection, romantic love, cohabitation and marriage.

SOCI 2237 Sociology of Human Sexual Behaviour: Varieties of Human Sexual Behaviour

Prerequisite: SOCI 1016; or SOCI 1015

Antirequisite: SOCI 2235

Hours: Three hours of lecture per week for one term.

Credits: 3

A wide range of behaviour that is expressive of or associated with what is commonly known as sex is described, analysed, and placed into social and cultural contexts. Topics covered may include the characteristics and significance of varieties of sexual behaviour, as well as problematic concerns relating to sex in connection with contemporary trends and patterns of human sexual behaviour.

SOCI 3006 The Sociology of Collective Behaviour

Prerequisite: SOCI 1016; or SOCI 1015

Hours: Three hours of lecture per week for one term.

Credits: 3

This course introduces students to the sociology of collective behaviour, including the theories and research studies that seek to understand how unstructured social phenomena such as crowds, publics and social movements arise in society. The study of collective behaviour includes such phenomena as fads, fashions, riots, panics and mass hysteria. This course may be credited towards Criminal Justice.

SOCI 3007 Sociology of Consumer Culture

Prerequisite: SOCI 1016; or SOCI 1015

Hours: Three hours of lecture per week for one term.

Credits: 3

This course enables students to investigate and analyze the various sociological approaches to understanding the nature and role of consumer culture in modern societies. In addition to focusing on the symbolic meaning of consumption, emphasis will be placed on issues of identity, lifestyle, constraint, freedom of choice and how the market place is used to facilitate distinction and reinforce social relationships.

SOCI 3016 Critical Perspectives on Sociological Theory

Prerequisite: SOCI 2016 and SOCI 2017

Hours: Three hours of lecture per week for one term.

Credits: 3

This course traces developments within and outside of sociological thought that challenge mainstream European interpretations of

the theories and practices of sociology. Topics examined include queer theory, feminism, post-colonial theory and theory in non-European traditions.

SOCI 3026 Sociology of Work (formerly SOCI 2026)

Prerequisite: SOCI 1016; or SOCI 1015

Antirequisite: SOCI 2025, SOCI 2026

Hours: Three hours of lecture per week for one term.

Credits: 3

This survey course focuses on the transformation of work in agricultural, industrial, and post-industrial social settings. Topics may include theories of work and labour, class structures, employment patterns and trends, organizational theories, women in the labour force, deindustrialization, the role of labour unions, globalization, and the meaning of work in society.

SOCI 3036 Qualitative Research Methods

Prerequisite: SOCI 1016; or SOCI 1015

Antirequisite: SOCI 4036, ANTR 3036

Hours: Three hours of lecture per week for one term.

Credits: 3

This course will examine themes and methods in contemporary qualitative research practice. Issues covered may include participant observation, focus groups, interviewing, case studies, and feminist methodologies. This course may be credited towards Social Welfare and Social Development.

SOCI 3057 Demography: Introduction to Population Studies

Prerequisite: SOCI 1016 or SOCI 1015; or permission of instructor.

Antirequisite: SOCI 2206

Hours: Three hours of lecture per week for one term.

Credits: 3

This is an introductory course in demography, the science of population. Themes covered include an introduction to population growth on a national and global basis, the sources of population statistics, demographic perspectives and methods, population processes (fertility, mortality and migration), and the ways that these processes influence population growth, composition, size, and distribution.

SOCI 3076 Mass Culture and Mass Media I: Journalism and Mass Communication

Prerequisite: SOCI 1016; or SOCI 1015

Antirequisite: SOCI 3075

Hours: Three hours of lecture per week for one term.

Credits: 3

Traditions in journalism and characteristics of the work of gathering and disseminating news and feature stories for use in the mass media are examined. Topics covered include media needs, the reception of information from channels of communication, contemporary trends in the collection, creation and distribution of information, journalistic values and the functions and forms of the mass media.

SOCI 3077 Mass Culture and Mass Media II: Mass Culture in Modern Societies

Prerequisite: SOCI 1016; or SOCI 1015

Antirequisite: SOCI 3075

Hours: Three hours of lecture per week for one term.

Credits: 3

A variety of topics such as advertising, public relations work, popular music, the star syndrome and celebrity culture, and the

marketing of new products and services in mass societies are considered. Topics covered include the competing traditions of folk culture, high culture, and mass culture, and efforts to assess the value of cultural entities and the creative processes associated with their production.

SOCI 3136 Ageism

Prerequisite: SOCI 1016; or SOCI 1015

Hours: Three hours of lecture per week for one term.

Credits: 3

This course explores the critical perspectives on aging and old age with a particular emphasis on the discrimination of older people in western society. Topics include population aging, anti-aging consumerism, care giving and social support, retirement, inter-generational relations and end of life ethics. This course may be credited towards Social Welfare and Social Development.

SOCI 3146 Age and Culture

Prerequisite: SOCI 1016; or SOCI 1015

Hours: Three hours of lecture per week for one term.

Credits: 3

A study of aging and later adulthood as interpreted and experienced in various cultures. The course critically examines the structures that influence the lives of older people and their attempts to interpret, find meaning and shape their lives within those structures.

SOCI 3156 Women and Age

Prerequisite: SOCI 1016; or SOCI 1015

Hours: Three hours of lecture per week for one term.

Credits: 3

An examination of the unique roles and position of women as they age in contemporary society with an emphasis on how they are perceived and treated by society. Topics include the variations in the psychological, health, and socioeconomic status and needs of women as they age with implications for social policy.

SOCI 3166 Social Epidemiology: The Social Determinants of Health

Prerequisite: SOCI 1016; or SOCI 1015

Hours: Two hours of lecture and one hour of laboratory work per week for one term.

Credits: 3

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.

SOCI 3176 Age, Health, and Work I

Prerequisite: SOCI 1016; or SOCI 1015

Antirequisite: SOCI 4295 if taken in 2004-2005

Hours: Three hours of lecture per week for one term.

Credits: 3

This course examines issues, concepts, and trends in relation to age, health, and work for individuals and society. A range of inter-related issues are addressed, such as demographic trends, ageism in modern society, gender, ethnicity, health and health care, social support, caregiving, and workplace trends.

SOCI 3177 Age, Health, and Work II

Prerequisite: SOCI 1016; or SOCI 1015

Antirequisite: SOCI 4295 if taken in 2004-2005

Hours: Three hours of lecture per week for one term.

Credits: 3

This course examines issues, concepts, and trends in relation to age, health, and work for individuals and society. A range of inter-related issues are addressed, such as employers' attitudes toward older workers and age discrimination, older workers' perceptions of barriers to employment, health of older workers, and retirement issues.

SOCI 3186 Health and the Family

Prerequisite: SOCI 1016; or SOCI 1015 or enrolment in the Bachelor of Science in Nursing.

Hours: Three hours of lecture per week for one term.

Credits: 3

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.

SOCI 3226 Survey Research (formerly SOCI 4126)

Prerequisite: SOCI 2126 or SOCI 3126 and SOCI 2127 or SOCI 3127

Antirequisite: SOCI 3005; SOCI 4126

Hours: Two hours of lecture and one hour of laboratory work per week for one term.

Credits: 3

This course familiarizes students with all aspects of survey research in sociology. Students learn 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 include sampling theory and practice, and reliability and validity in survey research. Statistical techniques for analysing survey data and for assessing reliability and validity are examined using SPSS.

SOCI 3256 Globalization and Development

Prerequisite: SOCI 1016; or SOCI 1015

Antirequisite: SOCI 3225; SOCI 2256

Hours: Three hours of lecture per week for one term.

Credits: 3

Students undertake a sociologically-informed investigation of issues in social development and globalization processes. Topics covered may include the development of capitalism, underdevelopment, war, corporations, and other social, economic and political relations.

SOCI 3506 Social Problems (formerly SOCI 2506)

Prerequisite: SOCI 1016; or SOCI 1015

Antirequisite: SOCI 2506

Hours: Three hours of lecture per week for one term.

Credits: 3

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 analysed and evaluated.

SOCI 4006 Independent Studies I

Prerequisite: 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.

Restrictions: Restricted to students in the fourth year of the Honours Sociology or Honours Criminal Justice programs and who have completed 24 credits in Sociology and/or Criminal Justice.

Hours: Individually supervised.

Credits: 3

This course provides an opportunity for qualified students to do special studies in the field of sociology beyond or outside of the program's regular course offerings. Written work and periodic discussions are required.

SOCI 4007 Independent Studies II

Prerequisite: 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.

Restrictions: Restricted to students in the fourth year of the Honours Sociology or Honours Criminal Justice programs and who have completed 24 credits in Sociology and/or Criminal Justice.

Hours: Individually supervised.

Credits: 3

This course provides an opportunity for qualified students to do special studies in the field of sociology beyond or outside of the program's regular course offerings. Written work and periodic discussions are required.

SOCI 4016 Advanced Sociological Theory

Prerequisite: SOCI 2016 and 2017

Antirequisite: SOCI 4015

Restrictions: Restricted to students in the fourth year of the Honours Sociology or Honours Criminal Justice programs and who have completed 24 credits in Sociology and/or Criminal Justice.

Hours: Three hours of lecture/seminar per week for one term.

Credits: 3

Through a close reading of original texts, this course provides a critical analysis of selected major themes and/or theorists within the sociological tradition.

SOCI 4027 Feminist Sociological Theory

Prerequisite: SOCI 2016 and SOCI 2017

Restrictions: Restricted to students in the fourth year of the Honours Sociology or Honours Criminal Justice programs and who have completed 24 credits in Sociology and/or Criminal Justice.

Hours: Three hours of seminar per week for one term.

Credits: 3

Through a close reading of original texts, this course provides an analysis of the theoretical critiques facing sociology as a result of historical and contemporary developments in feminist sociological theory.

SOCI 4096 Honours Thesis I

Prerequisite: 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.

Antirequisite: SOCI 4095

Restrictions: Restricted to students in the fourth year of the Honours Sociology or Honours Criminal Justice programs and who have completed 24 credits in Sociology and/or Criminal Justice.

Hours: Individually supervised.

Credits: 3

To fulfill the requirements of this course, the student must design and submit a completed research proposal, including the thesis problem statement, literature review and proposed methodology. The research proposed in SOCI 4096 will be completed in SOCI 4097. Various forms of research may be proposed. The work is carried out under the supervision of a member of the Department. To fulfill the requirements of this course, the student must design and submit a completed research project to pursue in SOCI 4097.

SOCI 4097 Honours Thesis II

Prerequisite: SOCI 4096 with a minimum grade of 75%.

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.

Antirequisite: SOCI 4095

Restrictions: Restricted to students in the fourth year of the Honours Sociology or Honours Criminal Justice programs and who have completed 24 credits in Sociology and/or Criminal Justice.

Hours: Individually supervised.

Credits: 3

To fulfill the requirements of this course, students must submit a completed honours thesis based on significant research completed as a continuation of the honours thesis research proposal completed in SOCI 4096. The work is to be carried out under the supervision of a member of the Department.

SOCI 4127 Applied Multivariate Statistics

Prerequisite: SOCI 2126/3126, SOCI 2127/3127 and restricted to students in the fourth year of the Honours Sociology program.

Antirequisite: SOCI 3005, PSYC 3257, PSYC 4257

Restrictions: Restricted to students in the fourth year of the Honours Sociology or Honours Criminal Justice programs and who have completed 24 credits in Sociology and/or Criminal Justice.

Hours: One and one half hours of lecture and one and one half hours of laboratory work per week for one term.

Credits: 3

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.

SOCI 4136 Social Theories in Aging

Prerequisite: SOCI 2016 and SOCI 2017

Restrictions: Restricted to students in the fourth year of the Honours Sociology or Honours Criminal Justice programs and who have completed 24 credits in Sociology and/or Criminal Justice.

Hours: Three hours of lecture per week for one term.

Credits: 3

This course provides a critical examination of both classical and contemporary social theories in aging. The course will look at how theories of aging have changed over time and explore how they are related to more general sociological theories.

SOCI 4137 Selected Topics in Aging

Prerequisite: SOCI 1016 and SOCI 1017; or SOCI 1015

Restrictions: Restricted to students in the fourth year of the Honours Sociology or Honours Criminal Justice programs and who have completed 24 credits in Sociology and/or Criminal Justice.

Hours: Three hours of lecture per week for one term.

Credits: 3

This course provides an advanced examination of a particular topic within the sociology of aging. The content of the course varies according to the specialization of the faculty teaching the course.

SOCI 4206 Determinants of Population Change

Prerequisite: SOCI 3057

Antirequisite: SOCI 3206

Hours: Three hours of lecture per week for one term.

Credits: 3

This course examines major issues in the field of population studies (social demography) confronting developed and developing countries. The issues include patterns of marriage and cohabitation, childbearing and low fertility, immigration, mortality and population health and aging. Particular attention is paid to the determinants of population patterns and the implications of the patterns for other social institutions and for social policy.

SOCI 4227 Sociology of Science, Technology and Environment

Prerequisite: SOCI 2016 and SOCI 2017

Restricted to students in the fourth year of the Major, Specialization or Honours Specialization in Sociology and who have completed 24 credits in Sociology.

Hours: Three hours of seminar per week for one term.

Credits: 3

The aim of this course is to encourage students to explore the changing relationship among science, technology and the environment and the consequences of the production, distribution and consumption of scientific and other forms of technology. Emphasis will also be placed on such issues as genetic engineering, social media, environmental planning and disasters. The course will establish an appreciation of how science, technology and the environment are intertwined, and the need to understand science as embedded in the social, cultural, political, racialized and gendered worlds of modernity.

SOCI 4546 Honours Seminar

Prerequisite: Restricted to students in the fourth year of the Honours Sociology or Honours Criminal Justice programs and who have completed 24 credits in Sociology and/or Criminal Justice.

Hours: Three hours of lecture per week for one term.

Credits: 3

Honours Seminars provide senior Sociology students with the opportunity to develop advanced research, presentation, and writing skills in a specialized field of study. Course content varies from year to year according to the instructor's research interests and expertise.

SOCI 4547 Honours Seminar

Prerequisite: Restricted to students in the fourth year of the Honours Sociology or Honours Criminal Justice programs and who have completed 24 credits in Sociology and/or Criminal Justice.

Hours: Three hours of lecture per week for one term.

Credits: 3

Honours Seminars provide senior Sociology students with the opportunity to develop advanced research, presentation, and writing skills in a specialized field of study. Course content varies from year to year according to the instructor's research interests and expertise.

SOCI 4556 Honours Seminar

Prerequisite: Restricted to students in the fourth year of the Honours Sociology or Honours Criminal Justice programs and who have completed 24 credits in Sociology and/or Criminal Justice.

Hours: Three hours of lecture per week for one term.

Credits: 3

Honours Seminars provide senior Sociology students with the opportunity to develop advanced research, presentation, and writing skills in a specialized field of study. Course content varies from year to year according to the instructor's research interests and expertise.

SOCI 4557 Honours Seminar

Prerequisite: Restricted to students in the fourth year of the Honours Sociology or Honours Criminal Justice programs and who have completed 24 credits in Sociology and/or Criminal Justice.

Hours: Three hours of lecture per week for one term.

Credits: 3

Honours Seminars provide senior Sociology students with the opportunity to develop advanced research, presentation, and writing skills in a specialized field of study. Course content varies from year to year according to the instructor's research interests and expertise.

SOCI 4576 Honours Seminar in Professional Development

Prerequisite: SOCI 2016 and SOCI 2017; SOCI 2126 and SOCI 2127

Restricted to students in the fourth year of the Major, Specialization or Honours Specialization in Sociology and who have completed 24 credits in Sociology.

Hours: Three hours of seminar per week for one term.

Credits: 3

This is a 'capstone' course for students graduating with a four year Honours Specialization in Sociology. The course will cover a variety of topics on professional development in sociology, including preparation for graduate studies in sociology and related disciplines, the practice of sociology in private industry, community agencies and government, the practice of applied research and evaluation, ethical standards for academic and applied sociologists, and academic and applied sociological professional organizations. Students will research and complete a project based on their area of professional interest.

Spanish Courses

ESPA 1005 Introductory Spanish

Prerequisite: No prerequisite.

Restrictions: Students with OAC/4U 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

The basic elements of Spanish grammar are studied. Development of the four language skills: reading, listening-comprehension, writing and speaking.

ESPA 2005 Intermediate Spanish

Prerequisite: ESPA 1005 or equivalent.

Hours: Three hours of lecture per week.

Credits: 6

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 2215 Spanish/Latin American Film

Prerequisite: No prerequisite.

Antirequisite: FILM 2215

Hours: Three hours of lecture per week.

Credits: 6

This is a Dialogue course in which students will combine the study of film with an introduction to Hispanic culture.

ESPA 2705 An Introduction to Hispanic Culture and Civilization

Prerequisite: No prerequisite.

Hours: Three hours of lecture per week.

Credits: 6

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. This course may be credited towards History, Religions and Cultures, and a Major in Fine Arts (Art History and Visual Studies stream).

ESPA 3006 Hispanic Literary Studies I

Prerequisites: ESPA 2005

Hours: Three hours of lecture per week for one term.

Credits: 3

This course provides an introduction to literary studies in Spanish. The course focuses on critical terminology and methods through a selection of modern Spanish and Spanish American prose, poetry, and drama. This course is conducted mainly in Spanish.

ESPA 3007 Hispanic Literary Studies II

Prerequisites: ESPA 2005

Hours: Three hours of lecture per week for one term.

Credits: 3

This is a companion course to ESPA 3006. The course focuses on critical terminology and methods through a selection of modern Spanish and Spanish American prose, poetry, and drama. This course is conducted mainly in Spanish.

Technology and Management Courses

For course descriptions please see the Business courses area within this section of the Academic Calendar.

University Success Courses

UNIV 1011 University Success

Prerequisite: No prerequisite.

Restrictions: 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

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.

UNIV 2011 Introduction to Community Service-Learning

Prerequisite: Students must have completed 18 credits.

Hours: Three hours of lecture per week for one term.

Credits: 3

Students are introduced to Community Service-Learning, a more hands-on approach to study through experiential learning. Students will examine and discuss leadership and communication skills, social justice issues, and problem solving. There will also be an emphasis on diversity issues, ethics, and critical thinking.

Glossary

Undergraduate Terms

Antirequisite: A course which cannot be taken for credit before, after, or at the same time as the course which is listed.

Bachelor's Degree: It is the first level of university degrees, for example, a Bachelor of Arts, Bachelor of Business Administration or Bachelor of Science. It is also referred to as an undergraduate degree.

Breadth Requirements: Requirements to ensure that students are exposed to different disciplines within their degree. Please refer to "Degree Requirements".

Corequisite: A course which is required to be taken concurrently with the course with which it is listed as Corequisite.

Cross-Listed Courses: Courses which may be credited towards more than one discipline. (e.g. ENGL 2206)

Cross-Coded Courses: Courses which may be listed under two different codes in two different disciplines. The courses in the two disciplines will be Antirequisites for one another. (e.g. ADMN 2606 and ECON 2126).

Credits: The academic weight assigned to a course.

Discipline: Refers to an area of study, or to the faculty who teach in that subject.

Electives: Courses taken outside of the program requirements, chosen by the student, and used to fulfill their overall degree requirements.

Hours: The number of hours for a course, listed as the number of hours scheduled per week in the fall and/or winter terms. Three credit courses require a minimum of 36 hours in total and six-credit courses require a minimum of 72 hours in total.

Internship: An internship is an opportunity to integrate career related experience into an undergraduate education by participating in planned, supervised work.

Laboratory: The hours required in a course, typically in the sciences, for experimentation. This experimentation is normally held in a smaller "laboratory" setting and led by a professor or laboratory instructor.

Lecture: Typically the largest part of a course's hours, usually led by a professor.

Mastery Course: A course that is entirely graded on the basis of a student's grasp of a skill or skills. Students are graded on a pass/fail system and these courses are not counted when academic averages are computed for purposes of making academic standing decisions (e.g. CRJS 4346).

Prerequisite: A course which is required to be successfully completed before the courses listed. This course ensures that students have the required background to complete the listed course successfully.

Program: A program refers to a specified grouping of courses within areas of disciplinary or interdisciplinary study (for example: Specialization in Biology) that must be completed as a partial requirement necessary to fulfill a degree.

Residency Requirements: Rules relating to the number and type of credits that must be taken with Nipissing to earn a Nipissing University degree.

Seminar: A course, or portion of a course, taught through small group discussion or instruction.

Service-Learning: An opportunity provided in a number of courses where students volunteer a set number of hours over the semester at a not-for-profit organization chosen to complement the course. Students use the skills and theory acquired in class, and apply that knowledge in a community-based setting.

Studio: A studio session is a teaching period where students spend time in a learning environment that emphasizes student creative involvement with visual art media including, for instance, drawing, painting, printmaking, photography, and sculpting.

Tutorial: The small group discussion portion of a larger class, which may be led by a professor or by a tutorial assistant.

Undergraduate Degree: It is the first level of university degree otherwise known as a Bachelor's degree (BA, BBA, BEd, BSc). The next level of university degrees are the graduate degrees which include the Master (MA, MBA, MEd, MSc) and the Doctoral degrees (PhD).

Upper Level Courses: Any level of course beyond the first year (1000) level.

Degree Framework Information

Degree Framework: An identified set and sequence of courses, and/or units of study, research and practice within areas of disciplinary or interdisciplinary study, that must be completed in fulfillment of the requirements for the awarding of the degree.

Honours Specialization: A program option comprised of 60 credits designated by a department/discipline. This option is only available in the Bachelor (Honours) degree.

Specialization: A program option comprised of 54 credits designated by a department/discipline. This option is only available in the Bachelor (Four-year) degree.

Major: A program option comprised of 36 credits designated by a department/discipline. This option is available in a Bachelor degree (Four-year) or a Bachelor degree (General). Majors are also available as part of a Double-Major option within a Bachelor (Honours) degree. For further details see "The Degree Framework" section (page 78).

Minor: A Minor option is comprised of 18 credits (with the exception of French) designated by a department/discipline. A degree with a single Minor is not available. A Minor may be combined with another Minor in a Bachelor degree (three-year Liberal) or may be taken as an additional option within each of the following Bachelor degrees: Honours, Four-year, or Three-year General. For details see “The Degree Framework” section (page 78).

Program average: Program averages are based on the calculation of all attempted and completed credits used to fulfill program requirements.

Cumulative averages: Cumulative averages are based on the calculation of all attempted and completed credits.

Graduate Studies Terms

Graduate Advisor/Chair: Each graduate program has a Graduate Advisor or Graduate Chair. The Graduate Program Advisors/Chairs are very important contacts for all graduate students and the main liaison between the graduate program and the School of Graduate Studies (SGS). Questions regarding a specific program should be directed to the Graduate Program Advisor or Chair.

Research Supervisor: For research-based programs, graduate students are assigned a Research Supervisor. Depending upon the program, the Supervisor may be assigned at the time of acceptance into the program, or within a specified period once the student has commenced her/his Program.

Supervisory Committee: For research-based programs, and depending upon the program, a Supervisory Committee normally consists of one to three other faculty members, aside from the Supervisor, who aids in the supervision and ultimately, the examination of the thesis research.

Time-to-Completion: The normal time allowed for completion of a graduate program. This period includes the Residency Period, plus time allowed for the completion of the thesis, MRP/Thesis or course work. Time-to-completion varies for each program.

Leave of Absences: An interruption in a student’s studies due to serious circumstances beyond the control of the student, such as medical reasons, maternity or paternity reasons. A leave of absence will not normally exceed three terms.

Extensions to Graduate Programs: The addition of a term beyond a student’s program of study. Extensions are at the expense of the student.

Defense (Thesis/ MRP): Is the final step towards completion of some Master’s degrees or a Ph.D. Students must pass an oral ex-

amination before an Examination Committee in defence of their thesis or MRP.

Thesis: A written work of research culminating the master’s degree or PhD. The thesis is based on an individual research conducted by a student and supervised by their Faculty Advisor/Research Supervisor. The Thesis must be defended before an Examination Committee.

School of Graduate Studies Academic Year: The School of Graduate Studies operates on a trimester basis, with three terms defined as: fall term (September to December); winter term (January to April); and spring/summer term (May to August). The academic year begins with a fall term followed by a winter term.

Directed Studies: An individualized study course which allows students to explore a subject specific to their program of study and research interest.

Tri-Council: The Federal Government’s three research fund (scholarship & grant) granting councils, NSERC, SSHRC, and CIHRC. The councils are responsible to the Government of Canada for the administration of research funds.

NSERC: Natural Sciences and Engineering Research Council, a Federal government agency which provides funding for research in natural sciences and engineering.

SSHRC: Social Sciences and Humanities Research Council, a Federal government agency which provides funding for research in social sciences and humanities.

CIHR: Canadian Institutes of Health Research, a Federal government agency which provides funding for research in Health.

MRP: A Major Research Paper based on an individual research conducted by a student and supervised by their Faculty Advisor/Research Supervisor. The MRP must be defended before an Examination Committee.

Faculty Advisor: Faculty Advisors assist students with the development of their research topic outline for a research based route.

Comprehensive Exam: A specific type of examination that must be completed by graduate students in some programs. The comprehensive exam is used to test the knowledge of a student’s subject area and two or more related areas, and may be used to determine a student’s eligibility to continue his or her program of study

Examination Committee: A committee normally consisting of a Student’ Supervisor Committee, External Examiner and Chair, who makes a decision regarding the outcome of a Student’s MRP or Thesis oral defence.

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