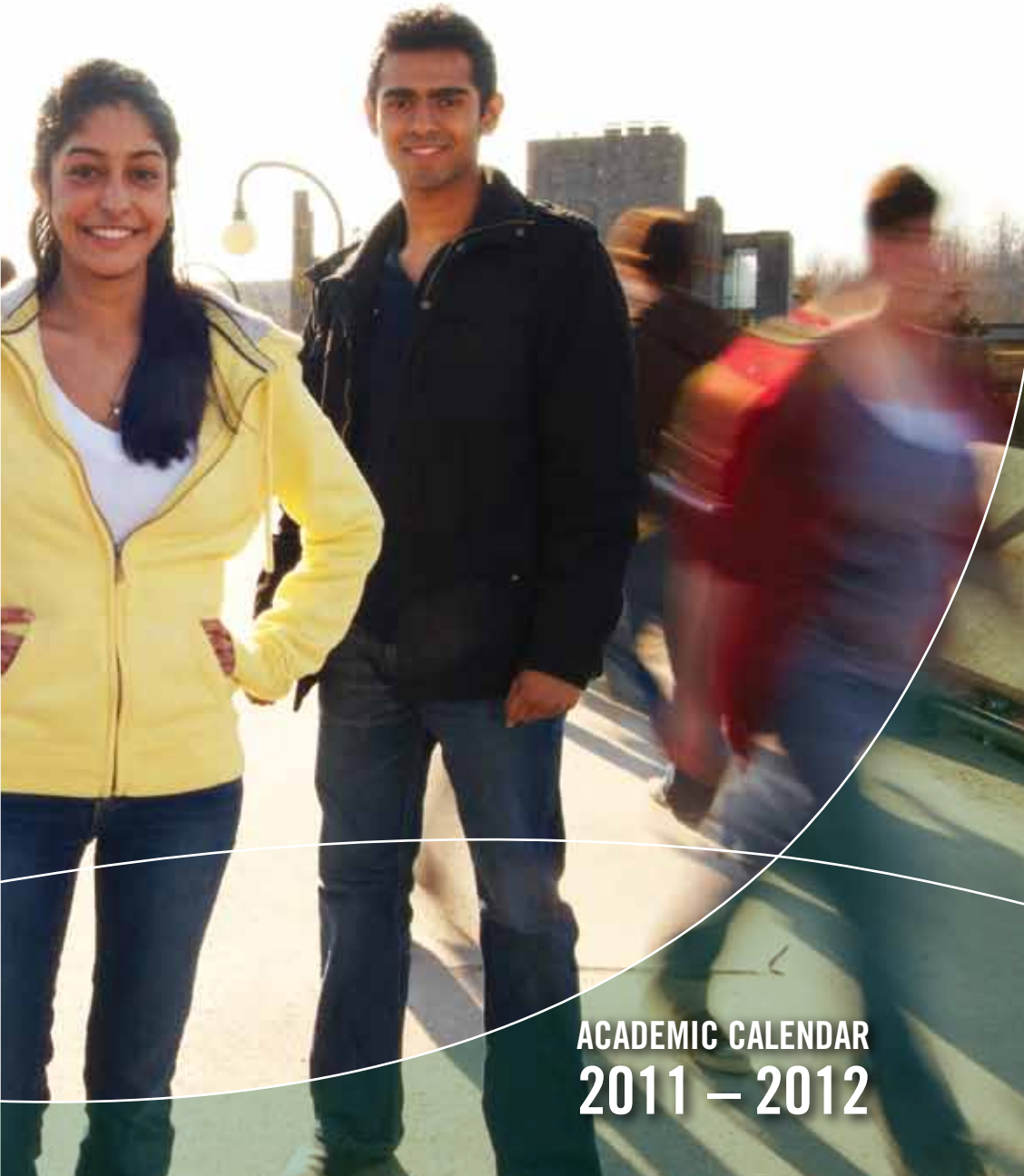




ACADEMIC CALENDAR
2011 – 2012

2011–2012

Undergraduate Academic Calendar

The Forty-Eighth Academic Year



Nunc cognosco ex parte

VISION FOR TRENT UNIVERSITY

We create vibrant, engaged and sustainable communities of learning, teaching and research committed to free enquiry and expression.

We encourage the dynamic interplay of research, teaching and learning, which enhance and energize each other in the classroom and beyond.

We strive to make valued and socially responsible contributions to our local communities, to Canada, and to the world.

We support a diversity of faculty, staff and students who share a commitment to the learning experience and are responsive to its challenges.

We foster an environment where Indigenous knowledges are respected and recognized as a valid means by which to understand the world.

We offer an enriched learning environment that encourages a passion for all knowledge, the exploration of the creative links between fields of study and a critical engagement with the world.

We create opportunities for students, staff and faculty to flourish and develop as individuals and as global citizens.

We affirm our commitment to excellence, to innovation and to leadership in research, academic programmes and community partnerships.

We commit to building an inclusive intellectual and social community that values the collaboration of all of its individual members.

Trent University
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Explore the Possibilities

Dear Trent Students,

Whether you are new, returning, or transferring to Trent University, I welcome you to your lifelong membership in a world-wide, world-class community. What we do here truly contributes to sustainable and universal betterment, from the local to the global, starting with the individual being that is you.

Through our scholarship, innovation, growth and engagement here at Trent, there is a sense of responsibility and pride shared by our students, faculty, staff and alumni in a network that spans internationally from our roots here in the Greater Peterborough and Durham Areas.



Use this calendar as a guide, not just through the programs and courses we offer but to the opportunities, services and people available for you to enhance your Trent experience.

Trent University offers academic programs in humanities, sciences and social sciences, professional programs in nursing, education, business and forensic science, and graduate programs at masters and doctoral levels within a diverse, interdisciplinary and collaborative community dedicated to academic excellence.

Our award-winning faculty are here to assist you in becoming a critical thinker and to see from a variety of perspectives the ways in which you may apply your knowledge and experience in your chosen area.

Enjoy Trent's picturesque campus in Peterborough along the Otonabee River, surrounded by forests and trails. Take advantage of Trent University Oshawa, Thornton Road Campus, connected to the energy and opportunities of the Greater Toronto Area.

Share lifelong ties and access to leading-edge facilities that will from this point forward, continue to enhance your ability to achieve your goals, and to make outstanding contributions to our local communities, to Canada, and to the world.

Dr. Steven E. Franklin
President & Vice-Chancellor

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ABOUT TRENT

Trent University is located in Peterborough, Ontario, 90 minutes northeast of Toronto and about three hours from Ottawa. The University's main campus, the Symons Campus sits on a 580-hectare property, much of it preserved as nature areas, along both banks of the Otonabee River at the northern edge of the city. Catharine Parr Traill College in downtown Peterborough focuses on the University's growing Graduate Studies programs. Trent also has a long history of offering full degree programs in Oshawa and in 2010 opened a new facility of its own, the Trent University Oshawa Thornton Road Campus.

Trent was born out of years of planning by public-spirited citizens of Peterborough. An Academic Planning Committee and a Campus Planning Committee were formed after T.H.B. Symons was appointed president-designate in 1961, and the University was formally created by the Ontario Legislature in April 1963. Trent opened its doors to its first students in September 1964. In 1967, Leslie M. Frost, former Premier of Ontario, was elected first Chancellor of the University. The University was admitted to full membership in the Association of Colleges and Universities of Canada in 1968.

The core of what is now the Symons Campus was donated by GE Canada, and has provided Trent with an uncommonly beautiful setting in which to develop its facilities. Guided by master planning architect, Ronald J. Thom, a long-range plan was devised. Today the Symons Campus is home to four residential colleges; the main library; three science buildings, including the award-winning Chemical Sciences building with the Water Quality Centre; the First Peoples House of Learning; the DNA Building; a new Life and Health Sciences facility; a child care facility and central administrative offices, along with newly expanded recreational facilities which include an athletics complex, artificial turf playing field, and rowing facilities. In addition to the residential colleges, part-time study is offered through Julian Blackburn College.

Now in its forty-eighth teaching year, the University has approximately 6,187 undergraduates in the full-time program, and 1,230 part-time students. In addition, there are 298 Master's degree candidates and 125 Ph.D. candidates. Recognized as one of Canada's top universities, Trent University is consistently renowned for striking a unique balance between excellence in research and a commitment to teaching.

Trent's Residential Colleges

Trent's residential colleges are central to the organizational structure of the University and to the intellectual and social experience of Trent students. All Trent students, regardless of whether they live in residence, are affiliated with one of Trent's colleges. Over the years, each of the colleges has developed its own unique character, creating for Trent students a variety of distinct communities.

For students who choose to live in residence, the colleges provide all the resources and facilities necessary for comfortable on-campus living. For those who live off-residence, the colleges are focal points of social and cultural activity.

Dynamic Learning Environment

Trent University stresses the importance and the value of a liberal education, and is committed to ensuring, through a general emphasis on the creation of a dynamic learning environment, that each student has the opportunity to intensively pursue fields of interest and with ample access to the University's teaching resources. Sixty-three percent of first- and second-year classes have 60 or fewer students and 91 percent of third- and fourth-year classes have 60 or fewer students.

USING THE CALENDAR

The Trent University Calendar exists in two versions, this print version and an online version (trentu.ca/calendar). The contents of the two versions are identical. To view this document in an accessible format, please visit www.trentu.ca.

The University reserves the right to make changes after the publication of this Calendar in a number of areas including, but not limited to: new faculty appointments or departures; courses, including withdrawal of courses listed as being offered; policies and procedures related to applications, admissions and registration for new and returning students; regulations; degree requirements; fee structure; academic schedule.

It is the responsibility of all students to familiarize themselves with the specific requirements for the degree or diploma which they seek. While advice and counselling are readily available, it is the students' responsibility to ensure that the courses in which they register fulfill their program requirements.

Effective Date of Undergraduate Calendar

The Undergraduate Calendar is effective on May 1 of the year in which it is published. All policies, course information and degree regulations apply to the summer session unless otherwise indicated.

Disclaimer and Limitation of Liability

No liability shall be incurred by Trent University for loss or damage suffered or incurred by any student or third party as a result of delays, suspension or termination of services, practica, seminars, placements, courses or classes or other activities by reason of natural disasters, civil unrest or disobedience, labour disputes, work stoppages, strikes, lockouts, financial exigency, restrictive laws or governmental regulations, orders or directives, inability to procure materials, trades or labour, weather, utility interruptions, damage to University property, acts of war or terrorism, threats to the safety or security of the University, its property or people or other happenings or occurrences beyond the reasonable control of Trent University.

In respect of any Claim for damages or indemnification by any person (a "Claimant") under the terms and conditions of this calendar and its academic and non-academic regulations against Trent University or any of its employees, governors, members, officers, or agents (any of them, a "Defendant"), whether based in contract (whether or not a fundamental breach of contract), tort (including negligence), or otherwise, the Claimant's sole and exclusive remedy shall be to receive from the Defendants (in the aggregate) payment for actual and direct damages to a maximum aggregate amount for all such Claims equal to the fees payable and paid by the Claimant to Trent University respecting the services, practica, seminars, placements, courses or classes or other activities governed under this calendar in the twelve months preceding the Claim.

In no event shall Trent University be liable for any indirect, economic, special, punitive, commercial, incidental, exemplary, or consequential damages (including without limitation lost profits, loss of business revenue or earnings, lost data, damages caused by delays, or a failure to realize expected savings or revenue) directly or indirectly arising out of or in connection with delays, suspension or termination of services, practica, seminars, placements, courses or classes or other activities, or the terms and conditions of this calendar and its academic and non-academic regulations whether or not such damages could reasonably be foreseen or their likelihood was disclosed to the parties.

Jurisdiction/Governing Law

This calendar, its rules and regulations and the rights and obligations of the parties hereunder shall be governed by the laws of the Province of Ontario. Any action or proceeding for relief regarding these provisions shall be brought in the Province of Ontario.

MISSION FOR TRENT UNIVERSITY

Over the next five years, Trent University's mission is to:

- Prepare students to make significant contributions to an increasingly complex world by providing them with a distinctive liberal arts, science or professionally focused education, which is enhanced by global perspectives, experiential learning and interdisciplinary approaches to personal and professional development;
- Encourage and celebrate excellence and innovation in teaching, learning, research and student development;
- Remain at the forefront of Indigenous education and scholarship;
- Develop strong partnerships and collaborations with external communities, professions, and other institutions, as well as within our colleges, departments, and programs;
- Foster sustainability, in its environmental, social and economic dimensions, on our campuses and in all aspects of our work;
- Promote a culture which engages all members of the Trent community, favours dialogue and collegiality, and nurtures a sense of belonging.

Strategic Directions

- Graduate Studies
- Internal and External Community Partnerships
- Research
- Student Engagement and Accessibility
- Teaching and Learning

RIGHTS AND RESPONSIBILITIES

- The University recognizes its responsibility to provide students with proper information. This calendar, including the calendar supplements, and course syllabuses constitute the only contracts between students and the University. It is incumbent upon students to be aware of and adhere to program regulations, requirements and published deadlines. The University makes every effort to ensure that the information in the calendar is accurate at the time of printing. However, regulations and requirements do change from time to time and the University will only be bound by the most current regulations as approved by Senate.
- Every member of Trent University – faculty, staff or student – has a right to freedom from discrimination in the University by another faculty, staff or student member because of race, ancestry, place of origin, colour, ethnic origin, citizenship, creed, sex, sexual orientation, age, marital status, family status or disability. (For details, please consult Trent's Policy on Discrimination and Harassment.)
- Trent University recognizes its responsibility to those of its students, faculty and staff with disabilities. It undertakes to make reasonable accommodations to ensure access to its academic programs and physical facilities, short of undue hardship, while protecting the academic integrity of the University.
- Trent University is a smoke-free institution.
- Trent University manages personal information of individuals in accordance with University policies on the protection of personal privacy and applicable legislation.

PROTECTION OF PERSONAL INFORMATION

Trent University may collect and maintain personal information from prospective students for the purposes of communicating with students about University programs, processing applications, assessing eligibility for admission and student awards and maintaining statistical data on applications. Personal information contained in the records of current students is used to register students in courses and to deliver academic and administrative services related to attendance at a public post-secondary institution. Personal information in the student record is protected in compliance with the Ontario *Freedom of Information and Protection of Privacy Act* and the University's privacy protection policies.

Notification of Collection, Use and Disclosure of Personal Information

Students' personal information is collected, used and disclosed by Trent University under the authority of Section 18(3)(c) of the *Trent University Act, 1963*. It is used by the University to create permanent student records, track academic progress, process fees, conduct research into university enrolment, administer programs and services of the University, conduct program reviews and appraisals and communicate with students regarding University business.

The name, sex, date of birth and student number of students in Peterborough are provided on a confidential basis to the Trent Central Student Association (TCSA) Student Health Benefits Office for the purpose of enrolment in the student health plan(s) and the issuing of refunds where applicable. This information is transferred by the TCSA to its benefit providers ACL and SSQ Financial to establish membership in the student health plan and to benefits carrier Green Shield Canada for the purpose of processing student health claims.

Student names and trentu.ca e-mail addresses are provided to the TCSA, Julian Blackburn College Student Association or Trent in Oshawa Student Association (as the case may be) for the purpose of communications related to the student's membership in the association. Names and student numbers may be made available to student associations in the form of a voters' list for student elections.

Where students are enrolled in collaborative programs that require the transfer of personal information to another postsecondary institution, students will normally be provided with a separate notice regarding any information-sharing that is required to jointly administer the program.

The University may enter into an agreement with one or more statistical research firms to conduct surveys on behalf of the University. With the University's permission, these firms may contact groups of students or alumni by e-mail to request their participation in a survey on a voluntary and confidential basis. Students and alumni may choose to opt out of any such survey and not be contacted further for survey purposes.

Information regarding graduation and awards may be made public. Unless individuals have requested otherwise, the University may keep in touch with alumni for purposes that support the mission of the University including surveys, institutional research, invitations to events, philanthropy, newsletters and other information on programs and services.

Notification of Use and 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 Statistics Canada regularly asks all colleges and universities to provide data on students and graduates.

The Federal Statistics Act provides the legal authority for Statistics Canada to obtain access to personal information held by educational institutions. The information may be used only for statistical purposes and the confidentiality provisions of the Statistics Act prevent the information from being released in any way that would identify a student.

Students who do not wish to have their information used are able to ask Statistics Canada to remove their identification and contact information from the national database.

Further information on the use of this information can be obtained from Statistics Canada's website: www.statcan.ca or by writing to the Postsecondary Section, Centre for Education Statistics, 17th Floor, R.H. Coats Building, Tunney's Pasture, Ottawa, K1A 0T6.

Questions on how student information is collected, used or disclosed, may be directed to the University Registrar, Office of the Registrar, Blackburn Hall, Trent University, 1600 West Bank Drive, Peterborough, ON K9J 7B8, or e-mail: registrar@trentu.ca.

STUDENT RECORDS

Access to Student Record Policy

By applying for admission to Trent University and by registering in programs or courses at the University, students accept the University's right to collect pertinent personal and academic information. The information is used to assess their qualifications for admission, establish and update a record of their academic performance, determine their eligibility for awards and scholarships, determine government funding, and allow the University to undertake its obligations under the Trent Act, 1963. For further information on the collection and use of this information, or if you have concerns about the collection and use of this information, please contact the University Registrar at registrar@trentu.ca.

All documentation provided to the University to support an application for admission, housing, financial awards, or any petition or appeal becomes the property of the University.

The University Registrar, in the Office of the Registrar, is the custodian of all official physical and electronic academic records of all students who have been or are currently registered in degree programs at Trent University. The Office of the Registrar strives to ensure the security and privacy of personal information through the application of appropriate systems for access to that information, the development of procedures, and the education and training of staff and faculty to treat personal information in confidence.

Trent University's Principles on Access to Confidential Student Records and Disclosure of Information

The University will not disclose personal information it has collected except in the following circumstances:

1. the person has consented in writing to disclosure of specific information for a particular purpose
2. the person has authorized in writing another individual to act on his/her behalf or participate in his/her affairs at the University
3. the information is required by an authorized staff person in the course of his/her work
4. to comply with legal requirements, including but not limited to, granting of access to Statistics Canada
5. in compelling or compassionate circumstances, or as otherwise permitted under the Freedom of Information and Protection of Privacy Act.

The University will disclose information about students who have graduated, such as degree conferred, date, medals and scholarships, as this information is printed in the Convocation program. Whether a student is currently registered is not considered to be public information and may not be disclosed except as specified in the above Principles.

I. Disclosure to the student

1. Students normally have the right to review the information contained in their hard-copy file, with the exception of confidential evaluations and letters of reference provided by a third party. Students who wish to review their hard-copy file must make an appointment with the University Registrar (or designate). Any student who is not satisfied with the access provided may make a formal request under the Freedom of Information and Protection of Privacy Act through the office of the access/privacy coordinator.
2. Students may request that incorrect information in their files be corrected and that those who may have received incorrect information are notified of the change. Students seeking to correct their information may be asked to complete a formal access/correction request.
3. Students have access to their electronic record through myAcademic Record. This includes biographic and academic information.
4. Documents submitted by or for the student in support of the application for admission or for transfer credit become the property of Trent University and will not be released or redirected. In rare instances, authorized by the University Registrar or designate, an original transcript may be released to the student and a copy retained in the file with an explanation for this action.
5. Students with no outstanding financial obligations to the University may, upon written request and payment of a fee, obtain an official transcript of their academic record at the University or have copies sent to a third party. Transcripts will show the scholarship, awards and prizes granted, courses taken, grades achieved, academic status, and degrees conferred.
6. Students with outstanding financial obligations to the University will be denied access to information such as grades, official transcripts and degree certificates and will be unable to add or drop courses.

II. Disclosure to faculty and administrative officers of the University

Faculty and administrative staff of the University who require access to student records in order to carry out their official duties are given access on a 'need to know' basis.

III. Disclosure to parents, guardians, educational institutions and agencies

1. Requests for student record information received from another institution of learning or from other organizations will be permitted only with written authorization from the student; such authorization specifies the information to be provided (e.g., Official transcript) and to whom the information is to be sent.
2. Student record information (including application, admission and/or registration information) will not be released to a third party, such as a parent or guardian, without the student's written authorization.

IV. Disclosure to government agencies

Student record information may be provided in the following instances:

1. in response to a court order, summons or subpoena directing the University to release information
2. to provide the Ministry of Training, Colleges and Universities with enrolment reports
3. to provide data to Statistics Canada for national surveys
4. to provide data as required by professional licensing and certification bodies
5. to provide information as allowed under access/privacy legislation.

V. Disclosure to Student Governments

All registered students pay student association fees. The Trent Central Student Association, the College Cabinets, the Julian Blackburn College Student Association, and the Trent in Oshawa Student Association (the "Associations") do, from time to time, require specific student record information for particular purposes. The Office of Student Affairs is authorized to provide the Associations with labels, lists and/or e-mail addresses for the purposes of communicating with students or determining their eligibility for some services.

UNIVERSITY DIARY

Students are responsible for being familiar with and adhering to published dates and deadlines, especially in relation to dropping courses. Bachelor of Education students should contact their programs for pertinent dates.

Senate Meeting dates may be viewed at www.trentu.ca/secretariat/senate_senatemeetingdates.php.
Faculty Board dates are the Friday preceding Senate (please see www.trentu.ca/dean/calendar.php).

SUMMER SESSION 2011

May	20	Friday	Final date for advance payment toward residence fees by continuing students
	23	Monday	Statutory Holiday: "Victoria Day"
	25	Wednesday	Final date to request Summer session Letters of Permission
June	1-3		Convocation
	27	Monday	Final date to submit grades for incomplete courses from the Winter session
July	1	Friday	Statutory Holiday: "Canada Day"; University closed
	4	Monday	Final date to appeal final grades for full-courses and Winter half-courses
August	1	Monday	Statutory Holiday: "Civic Holiday"
	2	Tuesday	Final date to request Fall/Winter session Letters of Permission
	15	Monday	First instalment of fees is due for all students

Summer Session 2011 Deadlines

	12-week term (full-credit courses S12)	6-week term (full- and half- credit courses S61)	6-week term (full- and half- credit courses S62)
Final date for receipt of application for admission or re-admission with supporting documentation	May 3	May 3	June 6
Final date for all students to register on myTrent	May 6	May 6	June 13
Classes begin (week of)	May 9	May 9	June 20
Final date to add courses	May 26	May 17	June 28
Final date to withdraw without academic penalty	June 22	June 1	July 12
Classes end	July 28	June 16	July 28
Examination period begins	August 2	June 17	August 2

FALL/WINTER SESSION 2011-2012

Please note: Where the dates in this document differ from the printed Calendar, the dates shown here are correct.

Fall Term 2011

September	5	Monday	Statutory Holiday: "Labour Day" Arrival of new students
	6	Tuesday	Introductory Seminar Week begins for students at the Peterborough Campus
	7	Wednesday	Final date for new student registration
	8	Thursday	Classes begin Beginning of formal course-change period
	9	Friday	Final date to submit Application to Graduate for September eligibility without a late fee
	21	Wednesday	Final date to change or add Fall and Fall-Winter courses on myTrent
	28	Wednesday	Final date to submit work for incomplete courses from Summer session Final date for registration with late registration fee Final date to change or add Fall half-courses with permission Final date to drop to part-time status without financial penalty Final date to drop Fall courses and receive any refund (all part-time students and full-time Oshawa students)
October	3	Monday	Final date for students to notify the Office of the Registrar of their wish to observe their cultural or religious holidays during scheduled examination periods
	10	Monday	Statutory Holiday: "Thanksgiving Day"
	14	Friday	Final date for receipt of applications for Fall/Winter in-course bursaries
	22	Saturday	Classes end
	24	Monday	Residential Reading and Laboratory Week begins
	31	Monday	Classes resume Final date to change or add full-courses with permission
November	9	Wednesday	Final date for withdrawal from Fall-term courses without academic penalty Last date to receive a refund for dropping fall/winter courses – no refunds after this date
	18	Friday	Final date to request Letters of Permission for courses beginning January, 2012 Final Date to appeal final grades for summer courses
	30	Wednesday	Final date to submit Application to Graduate for January Convocation without a late fee
	7	Wednesday	Last day of classe Final date for new and re-admit part-time applicants to submit applications and supporting documentation for admission to the University for Winter-term courses

12-21		Scheduled mid-term test and Fall half-course final examination period (Oshawa)
9	Friday	Scheduled mid-term test and Fall half-course final examination period begins (Peterborough)
12-21		Scheduled mid-term test and Fall half-course final examination period (Oshawa)
14	Wednesday	Tuition fees for January-start courses due Tuition fees due in full for new students starting University in January
21	Wednesday	Mid-term test and Fall half-course final examination period ends, 10:30pm
22	Thursday	College residences close for Peterborough Campus students Winter Vacation and Reading Period begins (check department websites for service hours)
25	Sunday	Statutory Holiday: "Christmas Day"
26	Monday	Statutory Holiday: "Boxing Day"

Winter Term 2012

January	1	Sunday	Statutory Holiday: "New Year's Day"
	8	Sunday	College residences open for Peterborough Campus students
	9	Monday	Classes resume
	16	Monday	Second instalment of fees is due
	20	Friday	Final date to change or add Winter term courses on myTrent
	27	Friday	Final date to change or add Winter term courses with permission Final date to receive a refund for dropping Winter courses Final date for receipt of applications for Winter in-course bursaries
February	7	Tuesday	Final date for withdrawal from full-year Fall/Winter session courses without academic penalty
	10	Friday	Deadline for application for continuing students seeking residence
	18	Saturday	Classes end
	20	Monday	Statutory Holiday: "Family Day" Residential Reading and Laboratory Week begins
	21	Tuesday	T2202A and T4A Forms are mailed/posted to the student portal on myTrent (for current students)
	27	Monday	Classes resume Final date to submit work for incomplete half-courses from Fall session
March	9	Friday	Final date to withdraw from Winter term courses without academic penalty
	12	Monday	Final date to appeal final grades for Fall term courses

April	5	Thursday	Application deadline to transfer from part-time to full-time studies for next Fall/Winter session Classes end Final date to submit Application to Graduate for Spring Convocation
	6	Friday	Statutory Holiday: "Good Friday"
	9	Monday	Examinations begin for Winter half- and full-courses (Peterborough)
	11-24		Examination period for Winter half- and full-courses (Oshawa)
	20	Friday	B.Ed. students' end of Practicum (tentative)
	24	Tuesday	Examinations end for Winter half- and full-courses, 10:30 pm
	25	Wednesday	College residences close
	27	Friday	Final date to submit grades for incomplete and Letter of Permission courses for those planning to convocate on June 6, 7 and 8

SUMMER SESSION 2012

May	18	Friday	Final date for advance payment toward residence fees by continuing students
	21	Monday	Statutory Holiday: "Victoria Day"
	23	Wednesday	Final date to request Summer session Letters of Permission
June	6-8		Convocation
	25	Monday	Final date to submit work for incomplete courses from the Winter session
July	2	Monday	Statutory Holiday: "Canada Day"; University closed
	3	Tuesday	Final date to appeal final grades for full-courses and Winter half-courses
August	6	Monday	Statutory Holiday: "Civic Holiday"
	3	Friday	Final date to request Fall/Winter session Letters of Permission
	13	Monday	First instalment of fees is due for all students

UNDERGRADUATE STUDIES AT TRENT

Trent University has a strong commitment to undergraduate studies. We offer a wide range of undergraduate programs, both traditional and interdisciplinary, in the Humanities, Social Sciences and Natural Sciences ([p. 30](#) - [p. 243](#)). We also offer a number of special programs and opportunities for our students to extend their learning experience beyond the boundaries of their disciplines and of the University itself ([p. 244](#) - [p. 265](#)). In our teaching we stress the importance of close interaction between faculty and students through small group contact and individualized learning.

Trent University Oshawa Thornton Road

Telephone: 905-435-5100

Fax: 905-435-5101

E-mail: Oshawa@trentu.ca

Web: www.trentu.ca/oshawa

Principal, Trent University Oshawa

To be named

Senior Tutor/Academic Advisor

C. Cameron, B.A. (Trent), M.A. (Central Michigan)

Administrative Coordinator

S. Gunn

In 2010, Trent University Oshawa moved to its bright, new campus at 55 Thornton Road S. where it continues its more than 35-year commitment to offering post-secondary education in the liberal arts and sciences in the Durham region and the GTA. Fall/Winter and Summer session courses taught by Oshawa-based faculty, and complemented by faculty from Peterborough, enable students to pursue B.A. or B.Sc. degrees in Anthropology, English Literature, Environmental & Resource Studies, History, Psychology, and Sociology. Trent Oshawa students who wish to pursue majors in other disciplines can supplement their Oshawa courses with courses taught at the Trent campus in Peterborough. Trent Oshawa also offers a range of electives from other disciplines that complement and enhance the majors. Day and evening courses are available and are listed on the Trent Oshawa website. Academic advisors, knowledgeable across the disciplines, assist and support current students in the planning of their academic programs, and are also available to meet with prospective students to discuss university education. An engaged faculty and staff, the on-site library, student Peer Mentors, and a rich program of visiting speakers, writers, and other academic events all enhance the small, friendly and stimulating environment of the Thornton Road campus. For more information, please call the main office number listed above.

Academic Information & Regulations

ACADEMIC YEAR AND SESSIONS

The academic year begins on September 1 and is divided into two "sessions": the Fall/Winter session (normally beginning in September and ending in April) and the Summer session (normally beginning in May and ending in August). The Fall/Winter session contains full-year courses which are offered from September to April, Fall-term courses which are offered from September to December, and Winter-term courses which are offered from January to April. The Fall and Winter terms last for 12 weeks each, and contain a one-week reading break in each term. The Summer session comprises one twelve-week term or two six-week terms.

The University offers field schools in archaeology and field courses in Biology, Geography and Indigenous Studies in the Summer session. Details of these courses are available from the departments concerned.

ACADEMIC LOAD AND COURSE OVERLOAD

For many academic purposes, a student registered in 3.5 credits or more is considered "full-time" and in 3.0 credits or fewer as "part-time." This definition also applies when students are billed for tuition fees. It is not, however, the same definition that may be used for other purposes and students are advised to check with the administrative office when determining their status.

Course overload for the Fall/Winter session is defined as enrolment in more than 2.5 credits (or equivalent) during the Fall term or the Winter term. Students require approval for course overload.

Full-time students with at least a 70% average over a minimum of the 5.0 most recent Trent University credits will be granted their request upon submission of a completed Course Overload Request Form to the Office of the Registrar. Students whose current average is less than 70% on their most recent 5.0 Trent credits must petition the Committee on Undergraduate Petitions for approval of course overload.

Course overload for the Summer session: Full-time and part-time eligible students may register in up to 2.0 credits overall in the Summer session unless they successfully petition to the Committee on Undergraduate Petitions (CUP) to take additional credits. A full load in a six-week session is 1.0 credit. Students with a 70% average on a full 5.0 credit load in the previous Fall/Winter session (or who otherwise meet the criteria for overload) may apply to overload in up to 1.5 credits in one six-week session. Students who do not meet this requirement, and all students wishing to take more than 1.5 credits in one six-week session, must submit a petition to the Committee on Undergraduate Petitions.

Note: The maximums do not apply where a program's planned curriculum requires that students take an additional load. Upon registration, students are responsible for making themselves aware of the academic and financial obligations and deadlines associated with each course.

ACCESS TO INSTRUCTION

It is Trent University's intent to create an inclusive learning environment. If a student has a disability and/or health consideration and feels that he/she may need accommodations to succeed in a course, the student should contact the Disability Services Office (BL Suite 109, 705-748-1281, disabilityservices@trentu.ca) as soon as possible.

Disabilities include (but are not limited to) neurological impairment, orthopedic/mobility impairment, traumatic brain injury, sensory impairment (visual, hearing, etc.), chronic medical conditions, emotional/psychological disabilities, attention deficit disorder and learning disabilities.

To allow students with disabilities to actively and freely participate in courses, every reasonable effort will be made to provide appropriate accommodations as outlined by the Disability Services Office.

A student's desire for anonymity is of utmost importance and confidentiality will be respected.

CHANGE OF NAME

The Office of the Registrar is committed to the integrity of its student records. Each student is therefore required to provide his or her legal name, either on the application for admission or in personal data required for registration. Any requests to change a name, by means of alteration, deletion, substitution or addition, must be accompanied by appropriate supporting documentation. Upon making application to graduate, a student may be asked to provide legal documentation as proof of his/her name.

CHANGE OF ADDRESS

It is the student's responsibility to maintain current and up-to-date mailing address, e-mail and contact information on the records of the University in order to receive pertinent mailings, including Tuition and Education Credit Certificates. Address changes and updates to contact information may be done through myTrent.

E-MAIL ACCOUNTS

At the time of first registration at the University, students are issued a Trent user ID and password and a Trent e-mail account. The Trent e-mail account is considered the official e-mail account and will be the only e-mail account used to communicate with students for academic and administrative purposes. Students are responsible for ensuring that they monitor and maintain their Trent e-mail account and to ensure that e-mail is accessed, read, and acted upon in a timely fashion. Students should be aware that e-mails from non-Trent accounts will not be considered official.

COURSE NUMBERING AND COURSE CREDITS

Courses listed in this Calendar follow the form: SUBJ 1000. SUBJ refers to the department offering the course. The first digit refers to the level of the course.

Re-numberings

In 2010, the University completed the process of moving to a four-digit numbering system for all courses offered at the undergraduate level. Please consult course descriptions for new numberings. The old three-digit course numbers appear as exclusions. Wherever a course is required as a pre- or co-requisite, the old three-digit number appears in parentheses after the new four-digit course number.

Cross-listed Courses

Many courses are cross-listed, that is, they are offered jointly by two or more departments. Cross-listed courses may not be double-counted in order to fulfill degree requirements. For example, CAST 2010Y is cross-listed with POST 2010Y; it may be counted for credit as a Canadian Studies course or as a Political Studies course but not as both.

Course Credit Value

Each course number is followed by a letter suffix which denotes the credit value of that course.

Suffix	Credit Value
Q	0.25 credit (or quarter-credit)
H	0.5 credit (or half-credit)
Y	1.0 credit (or full-credit)
C	1.5 credits
D	2.0 credits

COURSE SYLLABUSES

Each course has a syllabus which includes the method of assessment and the grading scheme.

In some cases an instructor may judge that certain regulations are inappropriate for a particular course and may be granted a formal exemption from them by the appropriate Dean (Arts, Science, or Social Sciences). Any such exemptions will be noted in the course syllabus.

The instructor reviews the syllabus with the students at the first class in the course. Any change thereafter in the grading scheme must be agreed to in writing by all students present at a subsequent class; at the class immediately following that one, the revised section of the syllabus must be posted or otherwise communicated.

Assignment Deadline Policy

Assignments (excluding take-home exams) in Fall/Winter courses due after the last day of class and worth more than 10% of the final grade in the course must be provided to students no later than two weeks before the last day of class.

STUDENT CONTACT HOURS

A full-credit classroom course normally consists of three class contact hours each week for the Fall/Winter session (September to April) or 72 hours. Courses with a laboratory component will normally exceed three class contact hours per week. Summer session full-credit courses represent the equivalent number of class contact hours within a shorter period of time.

DEFINITION OF YEAR

A student's progress towards a degree is measured in terms of credits passed rather than years of study completed. Where it is necessary or helpful to equate credits passed with years of study, the following table may be used:

Credits Completed	Year Equivalent
4.5 or fewer credits	1
5.0 to 9.5 credits	2
10.0 to 14.5 credits	3
15.0 credits or more	4

MID-YEAR REVIEW

Mid-year marks for full-credit courses are available through myAcademic Record in January to help students assess their academic performance; they do not represent official grades and do not appear on any formal document.

FINAL EXAMINATIONS AND MID-YEAR TESTS

Scheduling

With the exception of laboratory examinations in the sciences, no in-class tests or final examinations which are worth more than 10% of the final grade may be held during the last two weeks of classes in the Fall or Winter term. In the Summer session the period during which in-class tests and examinations may not be held is the last two weeks for 12-week courses and the last week for 6-week courses.

The examination schedule is designed to avoid conflicts and to ensure that no student writes more than twice within a 24-hour period. In the case of take-home examinations or tests, the instructor assigns a submission date that must occur before the end of the examination period. Students who have added courses after the examination schedule has been produced may be expected to write more than twice within a 24-hour period.

The writing time allotted is the same for all students in a course (with the exception of students registered with the Disability Services Office; see below).

Students who wish to observe cultural or religious holidays during an examination period must notify the Office of the Registrar in writing by the final Friday in September. If it is possible, scheduling will be adjusted to accommodate these dates. If it is not possible, students must submit a written request to their instructors for alternative arrangements, explaining the reason for the request and including supporting documentation.

Examinations and tests for students with disabilities who require disability-related supports (e.g., extra time or other assistance) are available. All requests must be made through the Disability Services Office at least two weeks before the examination or test, and must be supported by appropriate documentation from a qualified health care diagnostician. Information regarding documentation guidelines is available at www.trentu.ca/disabilityservices.

Student Identification

Students must bring their Trent student cards to all examinations. Cards must be visible to the Examination Invigilator. Students who fail to produce a valid student card must report to the Office of the Dean of Arts & Science, with their card, by 1 p.m. on the next working day. Students whose names are not printed on an attendance list are not registered in the course. They must report to the Office of the Registrar by 1 p.m. on the next working day to clarify their status. Failure to do so will result in a grade of zero for the course.

Missed Examinations

Students who miss an examination for reasons beyond their control should consult with their instructor immediately about the possibility of alternate arrangements. If such arrangements are not possible, students may petition for aegrotat standing. (See [p. 19](#) for the requirements for aegrotat standing.)

Unsatisfactory Examination Results

There are no supplemental examinations. The only options available to students who are dissatisfied with the result of an examination are to appeal the final grade in the course (see Appeals of Final Grades below) or to repeat the course (see Course Repeat, [p. 17](#)).

Student Access to Graded Examination Papers

Graded examination papers are the property of the University and are not intended to be available to students. They may be seen by students only if a formal appeal of a final grade has been unsuccessful (see Academic Appeals, [p. 21](#)). Requests to see an examination paper must be made in writing to the Office of the Registrar. There is a fee for each request.

GRADES AND GRADING SCHEMES

Courses are graded on a percentage scale, except for courses taken under a pass/fail option. Averages are calculated using the percentage grade assigned to the student for each course.

Numerical Equivalents of Letter Grades

A+ 90 – 100%	B+ 77 – 79%	C+ 67 – 69%	D+ 57 – 59%	F 0 – 49%
A 85 – 89%	B 73 – 76%	C 63 – 66%	D 53 – 56%	
A- 80 – 84%	B- 70 – 72%	C- 60 – 62%	D- 50 – 52%	

For courses offered by the Bachelor of Education (B.Ed.) program:

A+ 90 – 100%	B+ 77 – 79%	F 0 – 69%
A 85 – 89%	B 73 – 76 %	
A- 80 – 84%	B- 70 – 72 %	

The following grades may also be used, but do not affect a student's average:

AG – Aegrotat Standing
INC – Incomplete - Has permission to complete
INP – In Progress
NGR – No Grade Reported
NTE – Nothing to Evaluate*
PRE – Pre-registered
WD – Withdrawn
PASS
FAIL

*In cases where a student has registered for a course, but did not attend and/or submit work for evaluation, a grade of NTE (Nothing to Evaluate) will be assigned. A NTE grade carries the percentage value of Zero and will be used in Assessment of Academic Standing.

Grading Criteria

The final grade in a course is based on at least some of the following criteria: in-term oral and written work, in-term or mid-year tests or examinations, final examinations, practicums and community-based projects.

Normally, at least 25% of the grade in an undergraduate half-credit course offered in the Fall/Winter academic session must be determined and made available by the deadline for withdrawal without academic penalty. For full-year undergraduate courses, at least 25% of the grade must normally be determined and made available before the mid-year review in January.

No final examination is worth more than 50% of the final grade. Instructors are encouraged not to base final grades entirely on tests and examinations.

Course Repeats

The University does not have a limit on the number of times a course can be repeated, except for students enrolled in the Trent/Fleming School of Nursing program. Nursing students will only be allowed to repeat one theory course to raise their grade to 60% or higher and one practice course to obtain a pass.

All attempts will appear on the students' academic records, but no more than one attempt will be assigned credit. The attempt with the highest grade will be used to determine the cumulative average.

OFFICIAL FINAL GRADES

Final grades are official 30 days after they have been released by the Office of the Registrar. If errors in the calculation or recording of grades come to light after the grades have been released, all affected grades may be recalculated and raised or lowered with the approval of the appropriate Dean. However, this process must be completed, and corrected transcripts must be issued, before the 30-day period has passed. Instructors and/or departments are not permitted to release final grades. Final examination marks can be released to students only after final grades have been released by the Office of the Registrar. There is no time limit to reopen a grade in a case of academic dishonesty.

TRANSCRIPTS

Copies of official grade transcripts will be issued only at the written request of the student. In accordance with the Access to Student Record Policy, the student's signature is required for the release of records.

Ordering Transcripts

Transcripts may be ordered in person at the Office of the Registrar, by mail, or through the Transcript request available on the University website: www.trentu.ca/admin/mytrent/transcriptRequest.html. A fee must be paid for each copy of a transcript.

Requests must be accompanied by the following information:

1. Full name when registered as a student, and current name (if different)
2. Trent student number (or date of birth) and the degree pursued (e.g., B.A., B.Sc.)
3. Current mailing address and a daytime telephone number

4. Number of transcripts required
5. The complete name and address of where the transcript is to be sent
6. Payment information
7. Signature

Picking up transcripts

If someone other than the student is required to pick up the transcript, the student must give that person a signed authorization identifying the person and indicating that the person is authorized to pick up the transcript. Photo identification will be required.

Payment

Transcripts will be issued at the cost of \$10 each. The Office of the Registrar accepts cheques (payable to Trent University), Visa and MasterCard. Those wishing to pay cash for transcripts must pay the fee at the Student Accounts Office (Blackburn Hall) and bring the receipt to the Office of the Registrar. When paying by credit card, students must include their name, the type of credit card, the credit card number, the card's expiry date and their signature.

Transcripts will not be released for students who have an outstanding financial obligation to the University.

GRADUATION AND CONVOCATION

For students to graduate, Senate must confirm that they have successfully completed the academic requirements for their degree. Once students have graduated and are free of all financial obligations to the University, they are eligible to receive official transcripts, noting the successful completion of their degree, and to receive their degree or diploma.

In the year in which they intend to graduate, students must submit an Application to Graduate form to the Office of the Registrar (www.trentu.ca/admin/mytrent/appToGraduate.html). A fee must be paid for an Application to Graduate. The Office of the Registrar will assess whether the students are enrolled in the courses required to complete the academic requirements for their degree, and will inform the students by e-mail of the result of this assessment. A fee is charged for late applications. See the University Diary for deadlines.

Once grades have been processed, the names of all students who have successfully completed the academic requirements for their degree are submitted to Senate for approval.

Only those students who have completed the academic requirements for their degree prior to convocation are allowed to participate in the convocation ceremony.

Students who have successfully completed the academic requirements for their degree, but who are not free of financial obligations to the University, may participate in the Spring convocation ceremony but will not receive their degree or diploma until their financial obligations are met.

Students who have successfully completed the academic requirements for their degree too late for the Spring convocation ceremony will have their names submitted to the next appropriate meeting of Senate and receive their degree or diploma, provided they are free of all financial obligations to the University. Students may participate at the next Spring convocation ceremony.

ACADEMIC DISTINCTIONS

Medals

The Governor General, President Symons and Bagnani Medals are awarded each year at the Spring convocation ceremony. No application is necessary; students are automatically considered under the criteria listed below. Winners of these medals will have this distinction noted on their official transcript.

Governor-General's Medals

The gold medal is awarded to the graduate student with the highest standing on graduation and the silver medal is awarded to the student with the highest standing on graduation with an Honours degree.

President Symons Medals

Established in 1972 in honour of T.H.B. Symons, the founding president of Trent University. Awarded to students in the Honours program who achieve high overall standing on graduation.

Professor Gilbert Bagnani Medals

Established in 1986 to honour the late Professor Gilbert Bagnani, one of the founding faculty members of Trent University. Awarded to graduating students in the General program who achieve high overall standing.

Dean's Honour Roll

All students (except B.Ed. candidates) who achieve an average of 80% or better in their most recent session and have an overall cumulative average of 75% or better, will have their names placed on the Dean's Honour Roll. This academic distinction will appear on the official transcript. The names of graduating students who are eligible for the Dean's Honour Roll will be noted in the convocation program.

President's Honour Roll

All graduating students (except B.Ed. candidates) who achieve an overall cumulative average of 80% or better and who are in good academic standing at graduation will have their names placed on the President's Honour Roll. This academic distinction will appear on the official transcript. The names of graduating students who are eligible for the President's Honour Roll will be noted in the convocation program.

DIFFICULTIES WITH COMPLETION OF COURSE WORK

There are three options available to students who have difficulties with the completion of their course work for reasons beyond their control: (1) if they cannot complete their course work before the end of the academic session, they may request incomplete standing; (2) if they cannot write the final examination in the course, and arranging an alternate exam is not a reasonable option, they may request aegrotat standing; (3) if they wish to withdraw from the course altogether, but have missed the deadline for withdrawal without academic penalty, they may petition for late withdrawal. These three options are described in detail below.

1. Incomplete Standing

Incomplete standing permits students to prearrange with their instructor to submit any remaining work in a course by a specified date after the end of the academic session. Failure by students to organize their workload is not considered adequate grounds for incomplete standing. A petition for incomplete standing must be made to the instructor, and approved by the chair, before the department or program deadline (if there is one), but in any case before submission of final grades to the Office of the Registrar.

The instructor specifies the deadline for submission of outstanding work and the grade which will be assigned if the deadline is not met. The latest possible deadlines for the submission of outstanding work are:

- September 28, 2011 for courses completed in the 2011 Summer session
- February 27, 2012 for courses completed in the 2011 Fall term
- June 25, 2012 for courses completed in the 2012 Winter term

2. Aegrotat Standing

Students may, if eligible, be exempt from writing the final examination in a course. A petition for aegrotat standing must be made to the instructor as soon as the relevant circumstances are known and normally before the scheduled examination time. An aegrotat standing is granted only if the student has completed the required term work with a passing average. Aegrotat standing marks are determined using a calculated final examination mark for the student in question. The examination mark is calculated by adding to the student's term mark the difference between the class final examination average and the class term-work average.

3. Late Withdrawal

Late withdrawal is granted to students who have missed the deadline for withdrawal from courses without academic penalty but, for reasons judged to be compelling, have been unable to complete their course work. A petition for late withdrawal is made to the Committee on Undergraduate Petitions through a Senior Tutor as soon as possible and normally before the end of the academic session.

ACADEMIC STATUS

Assessment Average

A student's academic status is determined by a session average and/or by a cumulative average (see below).

The initial assessment average is calculated at the end of the academic session in which students have completed a minimum of three full-course equivalents for which grades have been assigned. Thereafter, the cumulative and session averages are calculated at the end of each academic session. Transfer credits are not included in the cumulative average or assessment.

Session Average

The session average includes all courses in the current session (Fall/Winter or Summer) for which a grade has been assigned.

Cumulative Average

The cumulative average includes all courses for which a grade has been assigned and excludes lower grades of courses that have been repeated.

Cumulative average is used for the purposes of determining a student's eligibility for the President's and Dean's Honour Rolls.

Categories of Academic Status

There are five categories of academic status: (1) Good Standing, (2) Probation, (3) Conditional Probation, (4) Academic Suspension and (5) Suspension – Academic Dishonesty.

1. Good Standing

Students are in Good Standing if their cumulative average is at least 60%.

2. Probation

Students are placed on Probation if their cumulative average is 50 – 59.9% or if they are returning from Academic Suspension.

- If the student's cumulative average is 60% or higher upon the next assessment, Probation is lifted.
- If the student's sessional average is above 59.9%, but their cumulative average is below 60% upon the next assessment, the student will continue on Probation.
- If the session average is below 60% and the cumulative average is below 60% upon the next assessment, the student will be placed on Academic Suspension.

3. Conditional Probation

Students who are accepted into the Fresh Start Program will have an academic status of Conditional Probation for one year. The student's status will be reviewed at the conclusion of each session (August for Summer courses, April for Fall/Winter courses). Students must achieve a minimum session average of at least 60% for courses completed in the Summer session (if applicable) and the Fall/Winter session or Suspension will be re-imposed. If at the end of the Conditional Probation year the cumulative average is above 49.9% but less than 60%, Probation is in effect (see 2 above).

4. Academic Suspension

Students are suspended from the University for a year if their cumulative average is less than 50% or if they are on Probation or Conditional Probation and their session average is less than 60%.

5. Suspension – Academic Dishonesty

Students may be placed on suspension by the Associate Dean (Undergraduate Studies) for repeated violations of the Academic Integrity Policy (see Academic Integrity policy on [p. 24](#) of the calendar). Appeals of the Associate Dean's decision should be made to the Special Appeals Committee. Students seeking support with an appeal should consult a Senior Tutor or seek advice from faculty members. There is no time limit to reopen a grade in a case of academic dishonesty.

Continuing Post-Secondary Studies During Academic or Non-Academic Suspension

Students who are on suspension will not be awarded transfer credits for the duration of an academic or non-academic suspension from Trent University. Studies completed at another post-secondary institution during the term of suspension may be considered as a basis for re-admission to the university, but will not be eligible for transfer credit consideration.

Procedures for Students on Probation or under Academic Suspension

Students who are placed on academic suspension may, through a Senior Tutor, petition the Committee on Undergraduate Petitions to have their status reconsidered. If the petition is successful and they are accepted into the Fresh Start Program, they will have their academic standing changed to Conditional Probation. Fresh Start students will be permitted to continue their studies at a reduced course-load under the supervision of their Senior Tutor for the Fall/Winter session immediately following placement on Academic Suspension. Students may enrol in the Fresh Start Program one time only. In some cases, the student may be allowed to return on Probation.

ACADEMIC PETITIONS AND APPEALS

Students may appeal grades which they have received, regulations which have caused them undue hardship, the penalty of academic suspension, and penalties for academic dishonesty. As a last resort, students may appeal the results of previous petitions or appeals through a special appeal.

Appeals of Grades on Term Work

Appeals of grades on term assignments and tests are made to the course instructor and subsequently, if necessary, to the chair of the department or program. Students are advised to familiarize themselves with the appeals policy of the department or program involved.

Appeals of Final Grades

Appeals of final grades are made in writing to the Office of the Registrar. There is a fee of \$25 for each appeal which is refunded if the grade is raised. The grade of a student who is making an appeal cannot be lowered as a result of that appeal.

Only the following work may be reassessed in appeals of final grades:

- term-work not returned to students before the submission of final grades to the Office of the Registrar
- final examinations

The deadlines for appeals of final grades are:

- November 18, 2011 for courses completed in the 2011 Summer session
- March 12, 2012 for courses completed in the 2011 Fall term
- July 3, 2012 for courses completed in the 2012 Winter term

Students are informed of the results of appeals of final grades as soon as possible after the appeal deadline but, in any case, before the beginning of the next academic session after the appeal deadline.

Appeals of Academic Regulations

Students who believe that specific academic regulations have imposed undue hardship on them may petition the application of the regulations to the Committee on Undergraduate Petitions through a Senior Tutor.

Special Appeals

If all other levels of appeals or petitions have been exhausted and have been unsuccessful, students may make an appeal to the Special Appeals Committee through the secretary of the committee. Such appeals must be made within four weeks of receipt of the previous ruling and must be in writing on the appropriate forms available from the Special Appeals website: www.trentu.ca/secretariat/specialappeals.php. All decisions of the Special Appeals Committee are final and take effect when issued.

Summary Table

The table below summarizes the procedures for petitions and appeals, indicating the appropriate situation for each ("why"), the persons responsible for dealing with them ("who") and the deadlines for submission ("when"). It is intended only as a convenient summary. Before pursuing any of these options, students should consult the appropriate section of the calendar where the official procedures and requirements are laid out in full.

Although the procedures outlined below have been designed to be as thorough as possible, there may be situations which are not adequately covered by any of them. In such cases, students are strongly advised to consult their instructor, the chair of their department or program, a Senior Tutor, or the appropriate Dean.

Petitions Concerning Incomplete Work

Why	Who	When
• Incomplete Standing (p. 19) You will be unable to complete your course work by the end of term.	Course Instructor (with the approval of the chair)	Before department or program deadline (if there is one) but in any case before submission of final grades.
• Aegrotat Standing (p. 19) You will be unable to write the final examination.	Course Instructor	Normally before final examination.
• Late Withdrawal (p. 19) You were unable to withdraw from a course before the published deadline to withdraw without academic penalty.	Committee on Undergraduate Petitions (through Senior Tutor)	After the published date for withdrawal without academic penalty but normally before the end of the academic session.

Appeals of Grades and Regulations

Why	Who	When
• Term Work (p. 21) You wish to appeal a grade in a term assignment or test.	1. Course Instructor 2. Chair (if necessary)	Before department or program deadline (if there is one) but in any case before submission of final grades.
• Final Grades (p. 21) You wish to appeal a grade in a final examination or in term work which was not returned to you before the submission of final grades.	Office of the Registrar	See deadlines in calendar. (p. 21)
• Academic Regulations (p. 21) You wish to appeal an academic regulation.	Committee on Undergraduate Petitions (through Senior Tutor)	Consult Senior Tutor.

Appeals of Academic Suspension ([p. 21](#))

You have been suspended as a result of your academic standing.	Committee on Undergraduate Petitions (through Senior Tutor)	By July 3 for the previous Fall/Winter session, or within two weeks of receiving notice for the Summer session.
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Appeals of Penalties for Academic Dishonesty ([p. 21](#))

You wish to have a penalty for academic dishonesty withdrawn (ranging from a zero grade on the assignment to expulsion from the University).	Associate Dean (Undergraduate Studies) for appeal of Chair's ruling or Registrar's ruling	Within 2 weeks of imposition of penalty.
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Special Appeals ([p. 21](#))

You wish to appeal the result of any previous appeals or petitions.	Special Appeals Committee	Within 4 weeks of receipt of previous ruling.
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LETTERS OF PERMISSION

Students registered in an undergraduate degree program at Trent University may, with certain conditions, be permitted to take undergraduate courses at other universities as credits towards their Trent University degree. Students must obtain a Letter of Permission from the Office of the Registrar prior to registering in courses at another university. Credits obtained on a Letter of Permission will be recorded by Trent as a "pass" or "fail" on the student's record.

To obtain a Letter of Permission, students must be in good academic standing. The following conditions apply:

- Students must have an average of at least 60% on a minimum of 3.0 credits completed at Trent, or
- Students in first year and/or students who have transferred to Trent University must have an average of 60% on their mid-year marks and have a passing grade on the majority of their

courses. If no mid-year marks are available, an assessment will be made based on prior post-secondary marks (e.g., other university or community college).

- Students must not currently be on academic probation or be on suspension from Trent University or any other institution.

Restrictions

- Students taking Summer courses at another post-secondary institution on a Letter of Permission may not attempt more than 2.0 credits. Students may take a maximum of 2.0 credits in a Summer session, including courses at another university on a Letter of Permission.
- No more than 5.0 credits may be completed on a Letter of Permission. (For transfer students this number may be lower, depending on how many transfer credits they have received.)
- The total number of non-Trent credits in an Honours program may not exceed 10.0. The total number of non-Trent credits in a General program may not exceed 7.5.
- 5.0 of the last 7.0 credits obtained by a candidate for a Trent University degree must be completed at Trent.

Notes

- Students who obtain a Letter of Permission should register at the host university as a Visiting Student rather than as a student in a degree program. Students who register in a degree program will jeopardize their registration status at Trent and will need to apply for re-admission. A Letter of Permission issued to a student who subsequently transfers to another post-secondary institution will be considered null and void.
- Students who are granted a Letter of Permission to complete the final course(s) of their program at another university during the Fall/Winter session and intend to graduate in the Spring convocation, must provide grades to the Office of the Registrar in the form of an official transcript by May 1 in order to ensure that their names appear in the Convocation Program and that their diplomas are printed for the day of the ceremony. Students who are granted a Letter of Permission to complete the final course(s) of their program at another university during the Summer session and intend to graduate in the Fall must submit an official transcript to the Office of the Registrar as soon as possible after completion of the course for inclusion in the next Convocation Roll to Senate.

Official Results of Letter of Permission

Courses approved for a Letter of Permission will appear on a student's Trent University transcript with a status of INP (In Progress) at the time the Letter of Permission is issued. Students are required to make arrangements to have an official transcript forwarded to the Office of the Registrar upon completion of the course. Once the official transcript is received, the student's record will be updated with the completed course(s) and grade(s).

- If an official transcript, or evidence of non-enrolment, is not forwarded to the Office of the Registrar within 60 calendar days of the end of the session specified in the Letter of Permission, a grade of Fail will be assigned.
- Transcripts forwarded in support of Admissions or Financial Aid will not be considered official for Letter of Permission completion.

Application Process for a Letter of Permission

There are different application procedures depending upon where the student wishes to study. Check the website for details: www.trentu.ca/letterofpermission.

Location of Host University	Apply to:	Timeline:
Within Canada	Office of the Registrar	Varies, depending upon session
Outside Canada: Fall/Winter session	Office of the Registrar	February 3
Outside Canada: Summer session	Office of the Registrar	Varies

Application Requirements

- Calendar course descriptions for all courses being requested must accompany the application
- Allow up to 10 working days for processing
- A \$50 processing fee must be submitted with the completed application form
- Incomplete applications will be returned to the student unprocessed

For more detailed information about study at foreign universities, see International Educational Opportunities ([p. 262](#)).

ACADEMIC INTEGRITY

The Academic Integrity website can be found at www.trentu.ca/academicintegrity.

Undergraduate Academic Integrity Policy**Part I: Application and Definitions****1.1 Application**

This policy applies to students registered in undergraduate courses in the Faculty of Arts and Science at Trent University as well as to applicants to undergraduate programs at the University.

1.2 Terminology

In this policy, “department” means undergraduate departments, programs, and schools. “Chair” means chairs and directors of undergraduate departments, programs, and schools. “Associate Dean” means the Associate Dean of Arts and Science (Undergraduate Studies) and “Registrar” means University Registrar.

1.3 Academic Integrity

All members of the University community share the responsibility for the academic standards and reputation of the University. When students submit work for academic evaluation and credit, they imply that they are the sole authors of the work. Clear and careful attribution of the words and ideas of others is an essential part of academic scholarship. Academic honesty is a cornerstone of the development and acquisition of knowledge and is a condition of continued membership in the University community.

1.4 Academic Dishonesty

Academic dishonesty, including plagiarism and cheating, is ultimately destructive of the values of the University. Scholarly integrity is required of all members of the University. Engaging in any form of academic dishonesty or misconduct in order to obtain academic credit or advantage of any kind is an offence under this policy.

1.5 Plagiarism

Plagiarism is knowingly presenting words, ideas, images, data, or any other form of work of another person (including essays, theses, lab reports, projects, assignments, presentations and posters) in a way that represents or could be reasonably seen to represent the work as one's own. “Knowingly” includes ought reasonably to have known. Plagiarism includes failure to acknowledge sources correctly and submitting materials copied from the internet without proper acknowledgement of the source. Draft work submitted for evaluation is subject to the same standard as final work.

1.6 Cheating

Cheating is dishonest academic conduct or attempted dishonest academic conduct during tests or examinations or in the preparation of any other course work or in the presentation of credentials for admission to the University or one of its programs. Some common examples are:

- submitting one's own original student work for credit in two or more different courses without the prior agreement of the instructors involved
- bringing aids, including electronic aids, that have not been authorized by the instructor into an examination or test
- impersonating another individual or colluding in an impersonation for an examination or test
- copying from one or more other individuals or knowingly permitting one or more other individuals to copy from one's test, examination paper, lab report, or assignment
- collaborating with one or more other individuals when collaborative work has not been expressly authorized by the instructor

- communicating with one or more other students during a test or examination
- purchasing or selling any piece of work for submission, or facilitating the selling and purchasing of such material
- submitting purchased material as one's own work
- falsifying or tampering with results in laboratory experiments or research assignments
- falsifying transcripts or tampering with documents used to make decisions about admissions to the University or one of its programs
- withholding transcripts or other required documents at the time of application to the University; submitting false or misrepresentative medical certificates or other documentation in support of requests for concessions on academic work or deadlines

1.7 Student to Consult if in Doubt

Students who have any doubt as to what might be considered academic dishonesty in a particular course should consult the instructor of the course to obtain appropriate guidelines.

Part II: Penalties for Academic Offences on Course Work Tests or Exams

2.1 Minor or major offence

The penalty for a student who has been found to have committed an academic offence will be based on whether the offence is minor or major.

2.2 Penalties

First minor offence: The penalty for a first offence that is a minor offence will be a grade of 0 on the piece of work with no opportunity to re-write.

Second minor or first major offence: The penalty for a second minor offence (i.e., two minors) or a first offence that is a major offence will be a grade of 0 on the piece of work with no opportunity to re-write, plus the deduction of marks in the course potentially down to a course grade of 0, plus a transcript notation (e.g., 62-Academic Dishonesty; 0-Academic Dishonesty).

Subsequent offence, Suspension: The penalty for any offence i) after two minor offences; or ii) after a first offence that is a major offence; or iii) that is a major offence where a minor offence is already on record will be a period of suspension from the University (academic status "Suspension – Academic Dishonesty") ranging from one term to two years in addition to a 0-Academic Dishonesty in the course.

Subsequent offence, Expulsion: The penalty for any subsequent offence will be expulsion from the University.

2.3 Extraordinary circumstances

The penalties above will be levied unless there are extraordinary circumstances which justify a different penalty.

2.4 Factors to determine whether offence minor or major

In deciding whether an offence is minor or major, consideration will be given to the following factors:

- the extent of the dishonesty
- whether the act in question was deliberate or whether the student ought reasonably to have known
- the importance of the work in question as a component of the course or program
- the academic experience of the student
- any other relevant circumstances

These factors shall also be taken into consideration in determining penalty where the usual penalty provides for a range.

2.5 Ineligibility for Honour Rolls

A student who has committed a major offence or multiple offences is ineligible for the Dean's Honour Roll that academic year and the President's Honour Roll at graduation.

Part III: Procedures for Evaluation of Course Work and Conduct during Tests and Exams**3.1 Instructor investigates**

If an instructor has reason to believe that a student has committed an academic offence, the instructor will so inform the student within a reasonable time and invite the student to meet to discuss the matter. The instructor will make reasonable inquiries to investigate the circumstances of the matter.

3.2 Instructor finds no academic dishonesty

If after meeting with the student and reviewing the evidence the instructor is satisfied that no academic dishonesty occurred, no further action will be taken by the instructor unless new evidence comes to his/her attention.

3.3 Instructor finds academic dishonesty, reports to Chair

If, after meeting with the student (or if the student fails to respond to the request for a meeting or does not attend a prearranged meeting) the instructor decides that academic dishonesty has occurred, the instructor will prepare a report to the Chair. The report will summarize the relevant facts and evidence, including the student's version of events if given. The report will additionally state whether the instructor considers the offence to be minor or major and the reasons therefore, as well as any extraordinary circumstances that are evident in the case. Copies of all supporting documentation will be attached to the report. The instructor will inform the student in writing that a report to the Chair has been prepared and that a copy has been made available for the student to pick up from the department office.

3.4 Opportunity for comment by student

Should the student wish to add to or clarify the information in the report, the student may send written comments to the Chair within seven days of the date of the report.

3.5 Chair finds no academic dishonesty

The Chair will carefully review the report and comments, if any. If the Chair is not satisfied that academic dishonesty occurred, the Chair will inform the student in writing of his/her decision and no further action will be taken unless new evidence is brought to the Chair's attention.

3.6 Chair finds academic dishonesty, consults Office of the Associate Dean

If the Chair is satisfied that academic dishonesty occurred, the Chair will inquire of the Office of the Associate Dean whether there is a record of any previous academic offence by the student.

3.7 First offence, Chair decides

If there is no record on file of any previous academic offence by the student the Chair will decide the matter. The Chair will determine whether the offence is minor or major and levy a penalty accordingly. If, based on extraordinary circumstances, the Chair decides to levy a penalty other than the usual penalty, the Associate Dean will be notified of the reasons for the decision on penalty. The Chair will send to the student an Academic Dishonesty Form to inform the student in writing of the decision and confirm that a record of the offence will be filed in the department office and the Office of the Associate Dean.

3.8 Limits of Chair's authority

The Chair does not have authority to levy a penalty exceeding a grade in the course of 0 with the transcript notation "0 – Academic Dishonesty."

3.9 Appeal of Chair's decision to the Associate Dean

The student may appeal a decision by the Chair by writing to the Associate Dean setting out the grounds for appeal within two weeks of receiving the Academic Dishonesty Form. The Associate Dean will normally respond to the appeal within two weeks of receiving the appeal.

3.10 Prior record or stronger penalty deemed appropriate by Chair, Associate Dean decides

If there is already a record of an academic offence(s) on file for a student the Chair will forward the material to the Associate Dean who will decide the matter. The Chair may also forward a case to the Associate Dean for decision on an alleged first major offence where the Chair deems that a penalty stronger than he/she can render is appropriate. In the latter case the Chair will set out the reasons for his/her conclusion that a stronger penalty is appropriate.

3.11 Note on Tests and Exams

Where an allegation of academic dishonesty arises during a test or examination, the responsible invigilator will collect the available evidence and, if he/she is not the course instructor, will notify the course instructor who will proceed as detailed above.

Part IV: Procedures for Applications to the University of One of its Programs**4.1 Notice to Registrar**

Where the alleged academic dishonesty involves falsifying, misrepresenting, or withholding records for entry into the University or one of its programs, the Registrar will be informed.

4.2 Student notified

The Registrar will notify the student in writing of the allegation and will invite the student to meet within a reasonable time. If the student does not respond to the request for a meeting or does not attend a prearranged meeting, the Registrar will proceed to make a decision on the basis of the evidence before him/her.

4.3 Registrar decides

If, after reviewing the evidence, the Registrar is satisfied that no academic dishonesty occurred, the Registrar will inform the student in writing of his/her decision and no further action will be taken by the Registrar unless new evidence is brought to the Registrar's attention.

If the Registrar is satisfied that academic dishonesty has occurred, the Registrar will decide the appropriate penalty and inform the student in writing of his/her decision. A written record of the incident, along with the documented evidence, will be kept on file at the Office of the Registrar and the Office of the Associate Dean if appropriate.

4.4 Appeal of Registrar's decision to Associate Dean

The student may appeal the decision of the Registrar by writing to the Associate Dean setting out the grounds for appeal within two weeks of notification of the Registrar's decision. The Associate Dean will normally respond to the appeal within two weeks of receiving the appeal.

Part V: Other**5.1 Final Appeal**

The student may appeal a decision of the Associate Dean to the Special Appeals Committee of the University within four weeks of notification of the decision. The decision of the Special Appeals Committee is final within the University.

5.2 Assistance with appeals procedure

Students seeking support for an appeal may consult with their Senior Tutor. For guidance on the appeals procedures at the University see the "Petitions and Appeals" section of the calendar and the Special Appeals website.

5.3 Privacy protection

In accordance with privacy legislation, personal information gathered under this policy will only be shared among university personnel on a need to know basis.

5.4 Other allegations of academic dishonesty

Any other allegations of academic dishonesty may be made in writing to the Associate Dean. The Associate Dean will determine the appropriate procedure to be followed.

5.5 No permanent record of dropped allegations

If it is determined that allegations are not supported by sufficient evidence, no permanent record of the incident will be kept on file at the offices of the department, Registrar, or Associate Dean.

5.6 Withdrawal is not a stay of proceedings

A student's withdrawal from a course, program, or the University does not stay or prevent proceedings for academic dishonesty under this policy. Further, penalties for academic dishonesty determined under this policy will appear as appropriate on the student's record, including the student's transcript, despite any such withdrawal.

5.7 Removal of transcript notations

If a student has a notation of academic dishonesty on his or her transcript, an application can be made in writing to the Vice President (Academic) to have the notation removed from the transcript. Such applications may not be initiated before two years have passed. "0" grades and notations of suspension cannot be removed.

5.8 Report on Academic Offences

A summary of academic offences (setting out the nature of each offence and the penalty) will be prepared by the Associate Dean annually, published on an Academic Integrity website, and circulated to Senate each year for information.

DEGREE REQUIREMENTS

Applicable Calendar for Degree Completion

Students must normally satisfy the program requirements for the calendar in effect at the time of their declaration of major to the program or at the time of any subsequent change in major. It is the responsibility of students to consult the Calendar for the year the student most recently declared a major and to follow regulations as stated.

Ten years from the year of declared major, students who have not yet completed their degree and wish to do so must follow the program requirements in that year's Academic Calendar. For the Nursing B.Sc.N. degree, please see the Nursing department's specific degree requirements.

Trent University offers the following degree and diploma programs:

DEGREE PROGRAMS

Bachelor of Arts (Honours and General)
 Bachelor of Business Administration (Honours)
 Bachelor of Education Consecutive Program
 Bachelor of Environmental Science/Studies (Honours)
 Bachelor of Science (Honours and General)
 Bachelor of Science in Forensic Science
 Bachelor of Science in Nursing

DIPLOMA PROGRAMS

Canadian Studies
 Foundations of Indigenous Learning
 Indigenous Environmental Studies
 Indigenous Management &
 Economic Development

- The University encourages students in the Bachelor of Arts and Bachelor of Science programs to plan an Honours degree. The Honours degree is the basic qualification for entry to graduate programs and generally enhances employment opportunities.
- The Honours Degree programs and the Bachelor of Science Degree programs in Nursing and in Forensic Science are 20-credit programs, normally requiring four years of full-time study.
- The General Degree programs are 15-credit programs, normally requiring three years of full-time study.
- The Diploma programs are one or two years of full-time study.

Requirements for all Bachelor's Degrees

For requirements for the Consecutive Bachelor of Education program see [p. 100](#). Requirements for all other programs consist of:

1. requirements for specific programs as outlined in the Academic Programs section of this calendar
2. at least 3.0 credits, with a grade of 60% or higher, leading to majors in different disciplines
3. no more than 7.0 1000-level credits
4. a minimum grade of C- (60%) in a required introductory course for the degree, if there is one
5. a maximum of 3.0 credits with D grades (50 to 59%)
6. a maximum of 1.0 credit with a D grade (50 to 59%) in courses in a major or each joint-major; not applicable to students enrolled in B.Sc.F.S. or B.Sc.N.

	Honours Arts & Science	Honours Bus. Admin.	General Arts & Science	Nursing	Forensic Science (B.Sc.F.S.)
7. total credits required	20.0	20.0	15.0	20.0	20.0
8. minimum completed-for-credit average required in Honours program (*see p. 58)	65	70*	n/a	65	65
9. minimum credits required at the 3000- or 4000-level	7.0	7.0	4.0	8.5	7.0
10. maximum credits unsuccessfully attempted in Honours program – includes D grades (50 to 59%), not-for-credit and F grades	6.0	6.0	n/a	6.0	6.0

	Honours Arts & Science	Honours Bus. Admin.	General Arts & Science	Nursing	Forensic Science (B.Sc.F.S.)
11. maximum credits allowed in a discipline	13.0	13.0	8.0	n/a	n/a
12. maximum credits which can be required in each discipline of a joint-major	8.0	8.0	6.0	n/a	n/a

Notes

- The minimum completed-for-credit average required for Honours (see 8 above) includes only courses for which credit has been earned: neither F grades nor D grades beyond the maximum allowed for credit (see 5 and 6 above) are included in the average. Students in the Honours program who do not maintain this average, or who exceed the maximum of 6.0 credits unsuccessfully attempted, will be awarded a General degree, assuming they meet the requirements for the degree.
- The same course may not simultaneously satisfy the requirements of both programs in a joint-major degree.
- Students must complete a minimum of 10.0 credits at Trent University to qualify for a Trent University Honours degree and a minimum of 7.5 credits to qualify for a Trent University General degree. 5.0 of the last 7.0 credits must be completed at Trent University.

Requirements for a Bachelor of Science Degree

Some programs lead to a B.Sc. degree. Other programs lead either to a B.A. or a B.Sc. degree, depending on the courses taken; for these programs, students must indicate on the Application to Graduate if they wish to be awarded a B.Sc.

B.Sc.

Biochemistry & Molecular Biology
Biology
Chemical Physics
Chemistry
Computing Systems & Physics
Ecological Restoration
Environmental Chemistry
Mathematical Computer Science
Mathematical Economics
Mathematical Physics
Mathematics
Physics & Astronomy

B.A./B.Sc.

Anthropology
Computing Systems
Information Systems (joint-major only)
Economics
Environmental & Resource Science
Forensic Science (joint-major only)
Geography
Psychology
Sustainable Agriculture & Food Systems

- Fourteen science credits (including one in Mathematics, but not MATH 2080Y, 2084H or 2085H) are required for the Honours degree.
- Eleven science credits (including one in Mathematics, but not MATH 2080Y, 2084H or 2085H) are required for the General degree.
- For science courses in the B.A./B.Sc. programs, see individual entries.
- The Forensic Science degree (B.Sc.F.S.) and Nursing degree (B.Sc.N.) are stand-alone professional degrees in science and are not subject to the same B.Sc. major requirements as the Programs noted above. Please see these Departments' specific degree requirements.

Requirement for a Minor

Students who have fulfilled the requirements for a single-major or joint-major Honours degree may apply to the Office of the Registrar for a minor in a different subject. See individual department and program entries for details.

PROGRAMS

UNDERGRADUATE PROGRAMS AT TRENT

Ancient History & Classics	Geography
Ancient Greek & Roman Studies	History
Greek & Latin Language & Literature	Indigenous Environmental Studies
Anthropology	Indigenous Studies
Biochemistry & Molecular Biology	Individualized Studies Program
Biology	International Development Studies
Business Administration	International Political Economy
Canadian Studies	Mathematical Computer Science
Chemical Physics	Mathematical Economics
Chemistry	Mathematical Physics
Computing & Information Systems	Mathematics
Computing Systems & Physics	Modern Languages & Literatures
Cultural Studies	French Studies
Ecological Restoration	German Studies
Economics	Hispanic Studies
Education	Nursing
Consecutive – School of Education	Philosophy
Concurrent – Queen's - Trent	Physics & Astronomy
English Literature	Political Studies
Environmental & Resource Science/ Studies	Psychology
Environmental Chemistry	Sociology
Forensic Science	Sustainable Agriculture & Food Systems
Gender & Women's Studies	

Notes

Academic Timetable

Please consult the online academic timetable (www.trentu.ca/admin/mytrent/AcademicTimetable.htm) for information on courses that will be offered in 2011–2012 including when they will be scheduled.

Animal Care Course

This non-credit course deals with the ethical principles, legal aspects and practical considerations of animal research. The course has no prerequisites and is mandatory for all students whose course work or research will involve handling of and/or experimentation with live vertebrate animals. This course is offered online. Consult the “Animal Care Training” link on the Animal Care web page (www.trentu.ca/sciencedean/animalcare.php), the Dean of Science or the departments of Biology, Chemistry, Psychology or the Environmental & Resource Science/Studies program for access information.

Human Research

All undergraduate student research involving humans must be reviewed and approved in accordance with Tri-Council Policy on Ethical Conduct for Research with Humans. Please consult with the Research Ethics Board representative in your department.

General University Courses

UNIV 1001H – First-year seminar

This course is designed to help first-year students develop the thinking, reading, writing and presentation skills that are important for success in all university courses. Each section has a different topic and primary text. The course will count as an elective toward any Trent undergraduate degree. Restricted to first-year students; limited enrolment.

UNIV 1002H – Critical thinking

This course provides an introduction to critical thinking and good reasoning. The objective is to aid students in becoming skilled thinkers; to learn how to develop rationally persuasive arguments and resist common mistakes in reasoning. Open only to first-year students. Excludes PHIL 1004H, 1005Y.

Ancient History & Classics

Telephone: 705-748-1011 ext. 7848
Fax: 705-748-1047

E-mail: ahc@trentu.ca
Web: www.trentu.ca/ahc

Associate Professor and Chair of the Department

J. P. Moore, B.A. (Wilfrid Laurier), M.A., Ph.D. (McMaster)

Professor

I. C. Storey, B.A. (Univ. Trin. Coll.), M.A., Ph.D. (Toronto), M.Phil. (Oxford)

Associate Professors

H. Elton, B.A. (Sheffield), D.Phil. (Oxford) (*on leave 2011-2012*); **R. D. Fitzsimons**, B.A., M.A. (Toronto), Ph.D. (Cincinnati)

Adjunct Faculty

M. Boyne, B.A. (Trent), M.A. (Toronto); **J. Tinson**, B.A. (Trent), M.A. (Queen's)

Professors Emeriti

K. H. Kinzl, D. Phil. (Vienna); **D.F.R. Page**, B.A., Dip. Ed. (Sheffield)

Classics is the study of the ancient Greek & Roman cultures (c. 3000 B.C.E. – 476 C.E.), the two intertwined civilisations that lie at the root of modern Western culture. Figures of myth, great leaders, creators of profoundly moving poetry and drama, great philosophers and artists who produced some of the world's most exquisite art and architecture – from Homer to Alexander the Great, from Julius Caesar to Constantine and beyond – the legacies of these individuals have deeply influenced many later ages and are still highly relevant today. We have more evidence about the Greeks and Romans than most other early cultures: poetry, plays, novels, prose treatises, histories, vases, sculpture, architecture, inscriptions, and papyri. At Trent, students can study ancient literature in all its forms, the history of Greece and Rome, art history and archaeology (including ancient Egypt), myth and religion, women in antiquity, philosophy, and the ancient languages themselves (Latin and ancient Greek).

Notes

- Special topics courses are offered according to faculty availability. Students may take more than one such course in one year or in their overall program.
- Reading courses (3900Y/3905H and 4900Y/4905H designation) may be offered according to faculty availability. Interested students should consult with the department by March of the preceding year. Students may take more than one such course in their overall program.
- AHCL 3850Y will be offered by the department if staffing permits it. Students may also pursue their special areas of interest in Mediterranean archaeology in field school courses offered by both other Canadian and non-Canadian universities for credit on a Letter of Permission, with departmental approval.
- Students who have fulfilled the requirements for a single-major Honours degree in another subject may apply to the Office of the Registrar for a minor in Ancient Greek & Roman Studies, if they have met the requirements for the joint-major General degree (see below); or for a minor in Greek & Latin if they have met the requirements listed under Greek and Latin Literature below. Students may obtain both their major and their minor within the department (for example, a

major in Ancient Greek & Roman Studies with a minor in Greek & Latin), but no course in the major may be counted towards the minor as well.

- For the Emphasis in Archaeology, see [p. 251](#); in Linguistics, see [p. 256](#); in Medieval, Antique, and Renaissance Studies, see [p. 257](#); and in Theatre Studies, see [p. 262](#).
- For the most complete and up-to-date information on the department of Ancient History & Classics – courses, faculty, special events, internet resources, etc. – check the department of Ancient History & Classics website at www.trentu.ca/ahc.

BACHELOR OF ARTS PROGRAMS IN ANCIENT HISTORY & CLASSICS

- The department offers one principal major program (Ancient Greek & Roman Studies). An Honours program in Greek & Latin Language & Literature is available under certain circumstances.
- For the purposes of University regulations concerning the maximum number of credits in a single discipline (13.0 for Honours, 8.0 for General), Ancient Greek & Roman Studies and Greek & Latin are considered separate disciplines.
- Students considering graduate work in Ancient History & Classics are strongly advised to include as many credits in Greek and Latin as possible in their program (completion of a minor in Greek & Latin is suggested), and to begin the study of German or French as undergraduates.

BACHELOR OF ARTS PROGRAM IN ANCIENT GREEK & ROMAN STUDIES

- See [p. 28](#) for requirements which apply to all undergraduate degree programs.
- The same course may not simultaneously satisfy the requirements of both programs in a joint-major degree.
- For students who entered the University before 2008, any course prerequisite of AHCL 1000Y is waived; any AHCL credit may substitute for it in counting courses for a degree. For students who entered the university before 2008 AHCL 100 or 201 is considered the equivalent of AHCL 2100Y, AHCL 226 is considered the equivalent of AHCL 2200Y, and AHCL 150 is considered the equivalent of AHCL 2300Y.

The single-major Honours program. 20.0 credits including the following 10.0 credits:

- 4.5 AHCL credits consisting of AHCL 1000Y, 2100Y, 2200Y, 2300Y and one of 4001H, 4002H or 4003H
- 5.5 AHCL credits in addition to the above, at least 4.0 at 3000- or 4000-level

The joint-major Honours program. 20.0 credits including the following 8.0 credits:

- 4.5 AHCL credits consisting of AHCL 1000Y, 2100Y, 2200Y, 2300Y and one of 4001H, 4002H or 4003H
- 3.5 AHCL credits in addition to the above, at least 2.0 at 3000- or 4000-level

The single-major General program. 15.0 credits including the following 7.0 credits:

- 4.0 AHCL credits consisting of AHCL 1000Y, 2100Y, 2200Y and 2300Y
- 3.0 AHCL credits in addition to the above, at least 2.0 at the 3000- or 4000-level

The joint-major General program. 15.0 credits including the following 5.0 credits:

- 4.0 AHCL credits consisting of AHCL 1000Y, 2100Y, 2200Y and 2300Y
- 1.0 AHCL credit at the 3000- or 4000-level

The minor in Ancient Greek & Roman Studies consists of the following 5.0 credits:

- 4.0 AHCL credits consisting of AHCL 1000Y, 2100Y, 2200Y and 2300Y
- 1.0 AHCL credit at the 3000- or 4000-level

BACHELOR OF ARTS PROGRAM IN GREEK & LATIN LANGUAGE & LITERATURE

- See [p. 28](#) for requirements which apply to all undergraduate degree programs.
- The same course may not simultaneously satisfy the requirements of both programs in a joint-major degree.
- The availability of a degree program in Greek & Latin Language & Literature, of a minor in Greek & Latin, and of Greek and Latin courses beyond the 2000-level is subject to departmental staffing conditions. In most cases, achieving a degree in Greek and Latin Language & Literature in four years is only possible if a student starts both Greek and Latin in the first year. Interested students must consult the chair of the department as early as possible in their degree program.

The single-major Honours program. 20.0 credits including the following 9.0 credits:

- 2.0 GREK credits
- 2.0 LATN credits
- 4.0 GREK or LATN credits in addition to the above, at least 2.0 at the 4000-level
- 1.0 AHCL credit

The minor in Greek & Latin Language consists of a combined total of 5.0 credits in GREK and LATN, including GREK 2001H and LATN 2001H.

Please consult the academic timetable, available through myTrent, for information on courses that will be offered in 2011–2012 including when they will be scheduled.

AHCL 1000Y – The Trojan War

An introduction to the study of ancient history and classics illustrated by the Trojan War, focusing on problems with Epic, Bronze Age Archaeology, and Roman Troy. Involves reading the Iliad, Odyssey and Aeneid.

AHCL 1001H – Case studies in classical archaeology

This course explores the origin, development, challenges and lessons of archaeological practice in the Classical world, with a focus on specific, illustrative case studies drawn from the history of the discipline.

AHCL 2100Y – Introduction to ancient history

An introduction to the study of ancient history, focusing on Greek History from the Bronze Age to the Hellenistic era and Roman history from the foundation of the city of Rome in 753 BC to the collapse of the western Roman Empire in AD 476. Excludes CLHI 100, AHCL 100 and 201.

AHCL 2102H – Introduction to Roman history

Introduction to Roman history, covering events from the foundation of Rome in 753 BC to the fall of the Western Roman Empire in AD 476. Excludes AHCL 2100Y, 201.

AHCL – ANTH 2200Y – Introduction to classical archaeology and art history

An introduction to the archaeology and art history of the ancient world, exploring the methods and achievements of Classical archaeology and the material remains (e.g., architecture, pottery, sculpture, painting, etc.) of antiquity, including Bronze Age, Greek, Etruscan, and Roman cultures. Prerequisite: 4.0 university credits. Excludes AHCL – ANTH 226 and CLCI – ANTH 224H, 226, 227H and 228H.

AHCL – ANTH 2201H – Introduction to Egyptian archaeology from the Pharaohs to the Romans

The methods and achievements of archaeologists and the art history of Egypt from the period of the Pharaohs, through the Persians and the Greeks to the Romans. Prerequisite: 4.0 university credits. Excludes AHCL – ANTH 220H.

AHCL – ANTH – GEOG 2230H – The ancient city

The developments, innovations and achievements of the city in the Greek and Roman world from the Bronze Age to the Late Empire. Prerequisite: 4.0 university credits. Excludes CLCI – ANTH – GEOG 223H and AHCL – ANTH – GEOG 223H.

AHCL 2300Y – Introduction to classical literature

An introduction to the literature of the classical world. Topics covered may include Greek and Roman drama, poetry, and prose. Excludes CLLI 100 and AHCL 150.

AHCL – WMST 2310H – Women in the Greek world, ca. 700–300 B.C.

Material studied will be drawn from literature, philosophical and medical treatises, law codes and the visual arts and will be considered within the context of current trends of approach (e.g., sociological, anthropological, literary). Prerequisite: 4.0 university credits. Excludes AHCL – WMST 231H.

AHCL – WMST 2320H – Women in the Roman world, 100 B.C.–A.D. 300

Topics will include the status of women in Roman law, the Roman family, sexuality and motherhood, feminine religious cults, and women in Roman literature. The material will be considered within the context of current trends of approach (e.g., sociological, anthropological, literary). Prerequisite: 4.0 university credits. Excludes AHCL – WMST 232H.

AHCL 2330H – Gladiators: Games of death in the Roman arena

This course examines the evolution of the spectacles that took place in the Roman arena featuring gladiators, beast fighters, and chariot racers and sets these games in their political and social context. Modern recreations are assessed for historical accuracy. Prerequisite: 4.0 university credits.

AHCL 2350H – Greek myths and mythology

Myths of the ancient Greeks, specifically those dealing with the gods and their relationship with humans; the generations of the gods; the primal creation; Titans and Olympians; the nature of “myth” itself, why people in all ages tell (and re-tell) stories, and how these stories have been read and interpreted. Prerequisite: 4.0 university credits. Excludes CLLI 200 and AHCL 250.

AHCL – PHIL 2400Y – Ancient philosophy (see Philosophy)**AHCL 3070H – Alexander the Great and his age**

A course offering both a survey of the life and deeds of Alexander and an examination of the background, the ancient sources (studied in English) and modern assessments. Prerequisite: 4.0 university credits including either AHCL 100 or 2100Y. Excludes AHCL 207H.

AHCL 3100H – The Athenian Empire

During the fifth century BC, the Athenian Empire controlled the Aegean. This course covers political, economic, and intellectual developments relating to events such as the construction of the Parthenon and the Melian Dialogue. Prerequisite: 4.0 university credits including either AHCL 100 or 2100Y. Excludes AHCL 410 and 410H.

AHCL 3101H – Ancient warfare

An in-depth study of the practice of ancient warfare from the Bronze Age to the Arab Invasions. Themes examined for each era include logistics, recruiting, intelligence, strategy, and naval warfare. Prerequisite: 4.0 university credits including AHCL 100 or 201 or 2100Y.

AHCL 3120H – The Late Roman Empire, A.D. 305–ca. 600

The emergence of Christianity as the state religion under Constantine; the collapse of the Empire in the West and its replacement by Germanic kingdoms; the survival of the Empire in the east and the birth of Byzantine civilization. Prerequisite: 4.0 university credits including either AHCL 201 or 2100Y. Excludes CLHI 352H and AHCL 312H.

AHCL – ANTH 3220Y – Cult and religion in the Graeco-Roman world

The evidence of eyewitness accounts, inscriptions and physical remains. Topics will include the Delphic oracle, mystery cults, and sacrificial rites. Prerequisite: 4.0 university credits including either one credit from AHCL – ANTH 226, 227H, 228H, 2100Y and 2200Y or both AHCL 100 and 201. Excludes CLCI – ANTH 222 and ANTH – AHCL 322.

AHCL – ANTH 3240H – Etruscan archaeology, ca. 1000 – 200 B.C.

The material culture of the Etruscans, who rivalled the major Mediterranean powers in trade and warfare and whose art, architecture and beliefs profoundly influenced ancient Roman culture. Prerequisite: 4.0 university credits including 1.0 credit from AHCL – ANTH 226, 227H, 228H or 2200Y. Excludes CLCI – ANTH 234H and AHCL – ANTH 334H.

AHCL – ANTH 3250H – Aegean Bronze Age archaeology

An exploration of the material culture of the Aegean Basin from the Neolithic Period through the Late Bronze Age (ca. 8000-1100 B.C.), focusing on such topics as the built environment, art and symbolism, trade and exchange, religion and burial customs, and social stratification and state formation. Prerequisite: 4.0 university credits including 1.0 credit from AHCL – ANTH 226, 227H, 228H, 2200Y. Excludes AHCL – ANTH 325H and CLCI – ANTH 225H.

AHCL 3251H – The archaeology of ancient Athens

This course examines the material culture of ancient Athens from the Neolithic Period to the Slavic Invasions in the 6th century A.D., focusing on changes in the socio-political structure of the city throughout its history by exploring art and architecture, trade and exchange, ritual and mortuary customs, and state formation. Prerequisite: 1.0 credit from AHCL – ANTH 2200Y, 226Y, 227H, or 228H. Excludes AHCL 3958H.

AHCL – ANTH 3252H – The archaeology of the Greek Iron Age

This course examines the archaeological record of the Aegean basin from the collapse of the Mycenaean palaces (ca. 1200 BC) to the rise of the Greek polis (ca. 600 BC), focusing upon such topics as art and architecture, trade and exchange, ritual and mortuary customs, economics and state formation. Prerequisite: 4.0 university credits including AHCL – ANTH 2200Y (226). Excludes AHCL 3955H and AHCL – ANTH 3260H.

AHCL 3301H – Conventions of ancient Greek theatre

This course studies the conventions of the production of ancient Greek theatre: physical remains, literary accounts, visual representations, and the deductions that may be made from the plays themselves. Students will be invited to transfer the questions of ancient staging to the modern experience of staging Greek drama. Prerequisite: 4.0 university credits, including one of AHCL 2300Y or CUST 2070Y, or permission of instructor. Excludes AHCL 3959H.

AHCL 3350Y – Romance, fantasy and adventure in the ancient world

Did the ancients distinguish between “fiction” or “fantasy” and “non-fiction” as we do? Topics include the “quest theme” (Gilgamesh, Odyssey, Voyage of Argo, Lucian’s “True” History), the

concept of Utopia (the myth of Atlantis), and stories of sex and love (Ephesian Story, Satyricon, Golden Ass). Prerequisite: 4.0 university credits including either AHCL 150 or 2300Y. Excludes AHCL 350 and CLLI 300.

AHCL 3850Y – Field course in ancient Mediterranean archaeology

A field course in archaeological methods and techniques at a Classical or Near Eastern site in the Mediterranean. Spring/Summers only – confirm with the department office. Prerequisite: either ANTH 212 or AHCL – ANTH 226 or AHCL 2200Y or permission of instructor. Limited enrolment. Excludes AHCL 330.

AHCL 3900Y, 3905H – Reading course

Students who desire a reading course at the 3000-level must consult the chair of the department by March about what courses may be offered next year. Students who register in such courses without prior approval will be de-registered from these courses. Prerequisite: 8.0 university credits including 2.0 credits in AHCL, one of which must be at the 3000- or 4000-level.

AHCL 4001H, 4002H, 4003H – Senior seminar

Senior seminar on a topic chosen by instructor. Priority for registration given to graduating students in Ancient History & Classics. 30 student maximum. Prerequisites: AHCL 2100Y (or 100 or 201), AHCL 2200Y (or 226), and AHCL 2300Y (or 150).

AHCL – ANTH 4410H – Mortuary archaeology (see Anthropology)

Satisfies requirement for senior seminar in AHCL.

AHCL 4900Y, 4905H – Reading course

Students who desire a reading course at the 4000-level must consult the chair of the department by March about what courses may be offered next year. Students who register in such courses without prior approval will be de-registered from these courses. Prerequisite: 8.0 university credits including 2.0 credits in AHCL, one of which must be at the 3000- or 4000-level.

GREEK AND LATIN COURSES

GREK 1000H – Elementary Greek 1

An introduction to the basic elements of ancient Greek providing the fundamentals of grammar and vocabulary. Some easy selections of ancient Greek will be read in this course. Excludes GREK 100.

GREK 1001H – Elementary Greek 2

A continued introduction to the basic elements of ancient Greek. Some easy selections of ancient Greek will be read in this course. Prerequisite: 60% or higher in GREK 1000H or permission of department. Excludes GREK 100.

GREK 2000H – Intermediate Greek 1

Continuation of ancient Greek syntax and grammar, followed by readings from ancient authors. Prerequisite: 60% or higher in GREK 1001H or permission of department. Excludes GREK 200.

GREK 2001H – Intermediate Greek 2

Completion of ancient Greek syntax and grammar, followed by readings from ancient authors. Prerequisite: 60% or higher in GREK 2000H or permission of department. Excludes GREK 200.

GREK 3000Y – Advanced readings in Greek literature

Advanced studies in ancient Greek literature and grammar, involving reading, translation, and analysis of original Greek texts and intensive study of Greek grammatical principles. Prerequisite 70% in GREK 2001H or GREK 200 or permission of department. Because the core texts change from year to year, students may take the course more than once with permission of department.

GREK 4000Y – Advanced readings in Greek literature

Advanced studies in ancient Greek literature and grammar, involving reading, translation, and analysis of original Greek texts and intensive study of Greek grammatical principles. Prerequisite 70% in GREK 3000Y or GREK 395 or GREK 3950Y or permission of department. Because the core texts change from year to year, students may take the course more than once with permission of department.

LATN 1000H – Elementary Latin 1

An introduction to Latin through reading and comprehension, covering Wheelock ch. 1–15. Special emphasis will be placed on acquiring a working vocabulary and on a grasp of Latin syntax. For students who have little or no previous knowledge of the language but who wish to be able to understand “the basics.” Excludes LATN 100.

LATN 1001H – Elementary Latin 2

An introduction to Latin through reading and comprehension, covering Wheelock ch. 16–30. Special emphasis will be placed on acquiring a working vocabulary and on a grasp of Latin syntax. Prerequisite: 60% or higher in LATN 1000H or permission of department. Excludes LATN 100.

LATN 2000H – Intermediate Latin 1

Wheelock ch. 31–40 followed by selections from ancient authors. Prerequisite: 60% or higher in LATN 1001H or permission of department. Excludes LATN 200.

LATN 2001H – Intermediate Latin 2

Selections from ancient authors. Prerequisite: 60% or higher in LATN 2000H or permission of department. Excludes LATN 200.

LATN 3000Y – Advanced readings in Latin literature

Advanced studies in ancient Latin literature and grammar, involving reading, translation, and analysis of original Latin texts and intensive study of Latin grammatical principles. Prerequisite 70% in LATN 2001H or LATN 200 or permission of the department. Because the core texts change from year to year, students may take the course more than once with permission of department.

LATN 4000Y – Advanced readings in Latin literature

Advanced studies in ancient Latin literature and grammar, involving reading, translation, and analysis of original Latin texts and intensive study of Latin grammatical principles. Prerequisite 70% in LATN 3000Y or LATN 395 or LATN 3950Y or permission of department. Because the core texts change from year to year, students may take the course more than once with permission of department.

Anthropology

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Chair of the Department

A. Meneley, B.A. (McGill), M.A., Ph.D. (New York)

Associate Chair of the Department

A. Keenleyside, B.A. (McMaster), M.A. (Alberta), Ph.D. (McMaster)

Associate Professor and Canada Research Chair

J. Conolly, B.A. (Toronto), M.A., Ph.D. (London)

Professors

J. Harrison, B.A. (Saskatchewan), M.A. (Calgary), D.Phil. (Oxford); **P. F. Healy**, B.A. (California-Berkeley), M.A., Ph.D. (Harvard); **S. M. Jamieson**, B.A. (McMaster), M.A. (Manitoba), Ph.D. (Washington State); **J. Solway**, B.A. (Oakland), Ph.D. (Toronto)

Associate Professors

S. Hepburn, B.A. (Calgary, Cambridge), M.A. (McGill), M.A., Ph.D. (Cornell); **G. Iannone**, B.A. (Simon Fraser), M.A. (Trent), Ph.D. (London); **A. Keenleyside**, B.A. (McMaster), M.A. (Alberta), Ph.D. (McMaster); **R. Lohmann**, B.A., M.A., Ph.D. (Wisconsin-Madison); **P. Manning**, B.A. (Reed), M.A., Ph.D. (Chicago); **A. Meneley**, B.A. (McGill), M.A., Ph.D. (New York); **M. Munson**, B.A. (Miami, Ohio), M.A., Ph.D. (New Mexico)

Assistant Professors

L. Dubreuil, B.Sc., M.Sc. (Université Aix-Marseille), Ph.D. (Université de Bordeaux I); **E. Morin**, B.Sc., M.Sc. (Montréal), D.E.A. (Université Paris-X), Ph.D. (Michigan); **J.S. Williams**, B.A. (McMaster), M.A. (Western), Ph.D. (Calgary)

Demonstrator/Technician

K. Dougherty, B.Sc. (Trent), M.A. (Western)

Professors Emeriti

H. S. Helmuth, Dr. Rer. Nat., D.Sc., Dr. Habil. (Kiel); **J.K. So**, B.A., M.A., Ph.D. (SUNY, Buffalo); **J. R. Topic**, B.A., M.A., Ph.D. (Harvard); **J. M. Vastokas**, B.A., M.A. (Toronto), Ph.D. (Columbia); **R. K. Vastokas**, B.A., M.A. (Toronto), Ph.D. (Columbia)

Anthropology is the study of humankind. It is a discipline integrating four sub-fields: archaeology, linguistics, biological anthropology and sociocultural anthropology. Archaeologists recover material remains in order to interpret past cultures. Linguists study languages worldwide and in relation to society and culture. Biological anthropologists investigate human origins, growth and development in relation to environmental, genetic and sociocultural factors. Sociocultural anthropologists work with living groups world-wide, recording their ways of life and beliefs and interpreting their findings to better understand and explain the similarities and differences among people. Anthropologists investigate economic and social inequality; identity, ethnicity and nationalism; ethnocentrism and

racism; gender and society; the individual and society; the role of technology and material culture; and tensions between global and local perspectives. A constant and distinctive feature of anthropology is its insistence upon the study of lived experience, the anthropology of everyday life.

Notes

- ANTH 1000Y (100) or both ANTH 1010H (101H) and 1020H (102H) are program requirements for all students completing a major or joint-major degree in Anthropology.
- Students who successfully completed all four of ANTH 2000Y (200), 2120Y (212), 2310Y (231) and 2400Y (240), may count one of them as equivalent to a 3000-level credit in order to satisfy the University requirement for at least 7.0 credits at the 3000- or 4000-level in the Honours program and at least 4.0 in the General program.
- Courses in Anthropology fulfilling University science course requirements for the B.Sc. are marked (Sc) in the individual course descriptions.
- Students who have fulfilled the requirements for a single-major Honours degree in another subject may apply to the Office of the Registrar for a minor in Anthropology if they have met the requirements for the joint-major General degree (see below).
- For the Emphasis in Sociocultural & Linguistic Anthropology, see [p. 259](#)
- For the Emphasis in Archaeology, see [p. 251](#)

BACHELOR OF ARTS AND BACHELOR OF SCIENCE PROGRAMS IN ANTHROPOLOGY

- See [p. 28](#) for requirements which apply to all undergraduate degree programs.
- The same course may not simultaneously satisfy the requirements of both programs in a joint-major degree.
- The Anthropology department offers both a B.A. and a B.Sc. degree.
- Students undertaking the single-major Honours program in Anthropology have the option of bypassing 1000-series Anthropology courses if they can demonstrate previous experience of the discipline, have an 80% 4U/M average or equivalent and include all four of ANTH 2000Y (200), 2120Y (212), 2310Y (231) and 2400Y (240) in their first 10.0 credits. An interview with, and the written permission of, the chair of the department are required in all cases. This will not alter the minimum number of Anthropology credits required for the degree.
- Students in the joint-major program in Anthropology and International Development Studies may substitute IDST – ANTH 2210Y (221) for one of ANTH 2120Y (212), 2310Y (231) or 2400Y (240) in their Anthropology requirements.
- Students planning to enter graduate school are strongly advised to take ANTH 2000Y (200), 2120Y (212), 2310Y (231) and 2400Y (240); if they are planning to continue in archaeology, they are strongly advised to take both ANTH 3100Y (310) and 3990Y (399).
- MODL 1000Y; or MODL 1001H and 1002H may be counted as part of the course requirements for a major in Anthropology.

The single-major Honours program. 20.0 credits which include the following 10.0 credits:

- 1.0 ANTH credit from ANTH 1000Y (100), or 1010H (101H) and 1020H (102H)
- 3.0 ANTH credits from ANTH 2000Y (200), 2120Y (212), 2310Y (231) or 2400Y (240)
- 1.0 ANTH credit from ANTH 3100Y (310) or 3990Y (399)
- 5.0 ANTH credits in addition to the above, at least 4 beyond the 2000-level
- for the B.Sc., 14.0 science credits are required for the Honours degree, including 1.0 MATH credit; MATH 1050Y is recommended

The joint-major Honours program. 20.0 credits which include the following 7.0 credits:

- 1.0 ANTH credit from ANTH 1000Y (100), or 1010H (101H) and 1020H (102H)
- 2.0 ANTH credits from ANTH 2000Y (200), 2120Y (212), 2310Y (231) or 2400Y (240)
- 1.0 ANTH credit from ANTH 3100Y (310) or 3990Y (399)
- 3.0 ANTH credits in addition to the above, at least 2.0 beyond the 2000-level
- for the B.Sc., 14.0 science credits are required for the Honours degree, including 1.0 MATH credit; MATH 1050Y is recommended

The single-major General program. 15.0 credits which include the following 6.0 credits:

- 1.0 ANTH credit from ANTH 1000Y (100) or 1010H (101H) and 1020H (102H)
- 3.0 ANTH credits from ANTH 2000Y (200), 2120Y (212), 2310Y (231) or 2400Y (240)
- 1.0 ANTH credit from ANTH 3100Y (310) or 3990Y (399)
- 1.0 ANTH credit in addition to the above beyond the 2000-level
- for the B.Sc., 11.0 science credits are required in the General degree, including 1.0 MATH credit; MATH 1050Y is recommended

The joint-major General program. 15.0 credits which include the following 5.0 credits:

- 1.0 ANTH credit from ANTH 1000Y (100) or 1010H (101H) and 1020H (102H)
- 2.0 ANTH credits from ANTH 2000Y (200), 2120Y (212), 2310Y (231) or 2400Y (240)
- 1.0 ANTH credit from ANTH 3100Y (310) or 3990Y (399)
- 1.0 ANTH credit in addition to the above beyond the 2000-level
- for the B.Sc., 11.0 science credits are required in the General degree, including 1.0 MATH credit; MATH 1050Y is recommended

The minor in ANTH consists of the following 5.0 credits:

- 1.0 ANTH credit from ANTH 1000Y (100) or 1010H (101H) and 1020H (102H)
- 2.0 ANTH credits from ANTH 2000Y (200), 2120Y (212), 2310Y (231) or 2400Y (240)
- 1.0 ANTH credit from ANTH 3100Y (310) or 3990Y (399)
- 1.0 ANTH credit in addition to the above beyond the 2000-level

Please consult the academic timetable, available through myTrent, for information on courses that will be offered in 2011–2012 including when they will be scheduled.

ANTH 1000Y – Introductory anthropology (Sc)

Understanding and explaining humanity in all its variety. 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). Excludes ANTH 100, 1010H (101H), 1020H (102H).

ANTH 1010H – Biological anthropology and archaeology (Sc)

An introduction to the aspects of biological anthropology and anthropological archaeology. Topics covered include human evolution, the biology of peoples past and present, archaeological method, the development of culture, the domestication of plants and animals, and the rise of civilization and the state. Excludes ANTH 1000Y (100), 101H.

ANTH 1020H – An introduction to sociocultural anthropology

This course will cover topics such as the idea of culture and its role in shaping the way we see the world; the relationship between society and culture; and the role fieldwork plays in sociocultural anthropology. Students will read classic and/or contemporary ethnographies. Excludes ANTH 1000Y (100), 102H.

ANTH 2000Y – Sociocultural anthropology

An introduction to the history, theory and ethnographic methods of cultural anthropology and their role in understanding religion, exchange systems, political and social organization, kinship, gender and issues of social and cultural change. Prerequisite: ANTH 1000Y (100) or 1010H (101H) and 1020H (102H), or SOCI 1000Y (100), or permission of instructor. Excludes ANTH 200.

ANTH – MODL 2010H – Phonetics (see Modern Languages & Literatures)

ANTH – MODL 2020H – Historical linguistics (see Modern Languages & Literatures)

ANTH 2030H – Technology and humanity

An introduction to the origin, development and diversity of technologies in human prehistory and ethnology. The course includes archaeological, biological, sociocultural and linguistic anthropological perspectives on the role of technologies in human evolution and culture change. Excludes ANTH 203H. (Offered only in Oshawa.)

ANTH 2040H – Law and order in ancient and contemporary cultures

An examination of social control and organization in past and present societies around the world. The findings of archaeological, biological, sociocultural and linguistic anthropology are combined

to understand the range of political and justice systems as ways of defining and solving human problems. Excludes ANTH 204H. (Offered only in Oshawa.)

ANTH 2050H – Introduction to Ontario historic archaeology field and laboratory methods

An introduction to basic excavation and laboratory techniques at a historic site in the Oshawa area. Work will be divided between field and classroom settings. Students must be available for both components. Summers only – confirm with department office. Limited enrolment. Pre- or co-requisite: ANTH 2120Y (212) or permission of instructor.

ANTH 2120Y – Archaeology (Sc)

An introduction to the methods used by archaeologists to recover and analyze their data, and a survey of worldwide technological and cultural evolution from the first human ancestors to the earliest civilizations. Excludes ANTH 212.

ANTH – AHCL 2200Y – Introduction to Classical archaeology and art history (see Ancient History & Classics)

ANTH – AHCL 2201H – Introduction to Egyptian archaeology from the Pharaohs to the Romans (see Ancient History & Classics)

ANTH – IDST 2210Y – Agrarian change and the global politics of food (see International Development Studies)

ANTH – AHCL – GEOG 2230H – The ancient city (see Ancient History & Classics)

ANTH 2310Y – Anthropology of language and other social media

An introduction to the basic issues and problems involved in articulating linguistic and non-linguistic signs with culture and society. The first semester of the course will focus on language as a social medium in face-to-face interaction, the second semester will focus on other forms of media and non-face-to-face social contexts. Prerequisite: MODL 1001H (101) or ANTH 1020H (102) or permission of instructor. Excludes ANTH 231 and 332.

ANTH 2400Y – Biological anthropology (Sc)

The study of the genetics, evolution, growth and development, and biology of human and non-human primates. Prerequisite: ANTH 1000Y (100), or 1010H (101H) and 1020H (102H) or permission of instructor. Excludes ANTH 240.

ANTH – CAST – INDG 2530Y – Aboriginal art of North America

An introduction to the visual arts and architecture of the Aboriginal Peoples of North America. The historical development of these arts from antiquity to the present is traced, with an emphasis on Canadian First Nations. Prerequisite: ANTH 1000Y (100) or 1010H (101H) and 1020H (102H) or permission of instructor. Excludes ANTH – CAST – INDG 253.

ANTH 3000Y – Field methods and techniques in anthropology (Sc)

An introduction to methods and techniques of discovery, analysis and interpretation in a field situation in any one sub-discipline (archaeology, cultural, physical or linguistic anthropology). Summers only – confirm with the department office. Limited enrolment. Prerequisite: permission of instructor. Excludes ANTH 211 and 300.

ANTH – IDST 3010Y – African culture and society

An introduction to contemporary African culture and society, focusing on culture history and indigenous institutions, the impact of colonial rule and present-day problems of development. Prerequisite: ANTH 2000Y (200) or IDST 2000Y (200) or permission of instructor. Excludes ANTH – IDST 301.

ANTH – MODL 3020H – Romance linguistics (see Modern Languages & Literatures)

ANTH – MODL 3030H – Germanic linguistics (see Modern Languages & Literatures)

ANTH – IDST 3040Y – Latin American culture and society

Examination of ethnic and historical foundations of contemporary Latin American societies and problems of modernization with special emphasis on peasant movements, Aboriginal groups and interethnic relations. Prerequisite: ANTH 2000Y (200) or IDST 2000Y (200) or permission of instructor. Excludes ANTH – IDST 304.

ANTH 3080H – Anthropology of tourism

This course examines some of the complex issues around the construction of tourist attractions and the sociocultural impacts of tourism development. Prerequisite: ANTH 2000Y (200) or IDST 2000Y (200) or permission of instructor. Excludes ANTH 308H and 409H.

ANTH 3090H – Freaks and geeks: The anthropology of subcultures and cybercultures

Drawing from linguistic anthropological models of “communities of practice,” this course seeks to explore communities of practice in both offline “subcultures” and online “cybercultures,” asking how indigenous concepts of “style,” “skill” and “expertise” form distinctive heteronormative

communities of practice, particularly focusing on how such communities emerge around new media technologies. Prerequisite: ANTH 2000Y (200) or 2310Y (231) or permission of instructor.

ANTH 3100Y – Key ideas in archaeology and bioarchaeology (Sc)

The lecture component of this course will outline the history of archaeological thought. The seminar component will provide a hands-on exploration of how method and theory are applied within archaeological interpretation. Key ideas in bioarchaeology, such as evolution, race, ethnicity, and repatriation will also be addressed. Prerequisite: ANTH 2120Y (212) or permission of instructor. Excludes ANTH 310.

ANTH 3110Y – North American archaeology (Sc)

A survey of the Indigenous cultures in North America (excluding Mexico) from the first humans to European contact. Prerequisite: ANTH 2120Y (212) or permission of instructor. Excludes ANTH 311.

ANTH 3130H – Peoples of the Southwest

This course examines continuity, change and interaction of Native, Hispanic, and Anglo cultures of the US Southwest. Topics include comparing the varying histories and worldviews of Hopi and Zuni Pueblos and the Navajo; tourism and the emergence and persistence of triculturalism in the 20th century; and contemporary romanticization of the Southwest. Prerequisite: ANTH 2000Y (200) or 3750H (375H) or permission of instructor. Excludes ANTH 313H.

ANTH 3140Y – Archaeology, ethnohistory and ethnography of South America

An examination of Indigenous societies of selected areas of South America with an emphasis on the Andean and Amazonian areas. Prerequisite: ANTH 2000Y (200) or 2120Y (212) or permission of instructor. Excludes ANTH 314.

ANTH 3150Y – Archaeological laboratory procedures (Sc)

The description and analysis of materials from archaeological contexts including artifacts and natural organic and inorganic remains. Limited enrolment. Prerequisite: ANTH 2120Y (212) or permission of instructor. Excludes ANTH 315.

ANTH 3160H – Peoples of Pacific Oceania

From tiny coral atolls to lush jungles to vast deserts, this course explores the diverse cultures of Polynesia, Micronesia, Melanesia, and Australia. Topics covered include the prehistoric settlement and geography of the islands, regional social and cultural patterns, the ethnography of several specific groups, and contemporary problems and triumphs. Prerequisite: 6.0 university credits. Excludes ANTH 316H.

ANTH 3170Y – Comparative early civilizations (Sc)

This course provides a comparative analysis of early civilizations from around the world. Emphasis is placed on elucidating those cross-cultural regularities that appear to signify shared human responses to everyday existence, as well as cultural divergences indicative of the uniqueness and diversity of the human experience. Prerequisite: ANTH 2120Y (212) or permission of instructor. Excludes ANTH 495.

ANTH 3180H – Paleolithic archaeology (Sc)

This course explores the archaeological record of the Old World prior to the adoption of agriculture. Students will become familiar with cultural change during the Plio-Pleistocene and will learn, among others, about the expansions out of Africa, the Middle/Upper Paleolithic transition, and the rise of the first sedentary societies. Prerequisite: 9.0 university credits including ANTH 2120Y (212) or permission of the instructor. Recommended: ANTH 2400 (240). Excludes ANTH 3120Y (312).

ANTH – WMST 3210H – Anthropology of gender and sexuality

An anthropological and ethnographic cross-cultural approach to gender and sexuality, both as modes of self-identity and desire, including gendered and transgendered individuals, normative and heteronormative sexualities, among other topics. Prerequisite: ANTH 2000Y (200), WMST 1000Y or permission of instructor. Excludes ANTH – WMST 4220Y (422).

ANTH – AHCL 3220Y – Cult and religion in the Graeco-Roman world (see Ancient History & Classics)

ANTH 3230H – Meaning and materiality

The study of material signs in their social context, including all forms of nonverbal human communication. Topics include gesture and body adornment; material objects as signs, including houses, commodities and other objects of exchange; performances and rituals; religious icons; and anything that can be considered to act as a sign. Prerequisite: ANTH 2000Y (200) or 2310Y (231), or permission of instructor. Excludes ANTH 324H and 424H.

ANTH – AHCL 3240H – Etruscan archaeology, c. 1000–200 B.C. (see Ancient History & Classics)

ANTH – AHCL 3250H – The Aegean Bronze Age (see Ancient History & Classics)

ANTH 3260H – Culture and mortality

Although cultures are diverse, people of all cultures die. In this course we will explore the questions of death from the perspectives of many cultures as interpreted by anthropologists. In light of this

cross-cultural examination, we ask what it means to be “mortal.” Prerequisite: ANTH 2000Y (200) or permission of instructor. Excludes ANTH 326H, 425H and 426H.

ANTH 3270H – Anthropology of religion

An exploration of how anthropologists have approached phenomena such as witchcraft, shamanism, ritual and myth as a way of understanding the epistemologies and cosmologies of people in diverse cultural contexts. Prerequisite: ANTH 2000Y (200) or permission of instructor. Excludes ANTH 327H and 405.

ANTH 3280H – Introduction to the anthropology of health (Sc)

An introduction to the anthropological approaches to the study of health. It examines the biological, ecological and cultural determinants of health, and explores the ways in which the health of human populations varies on a local, regional, and global scale. Prerequisite: ANTH 1000Y (100), or 1010H (101) and 1020H (102) or permission of instructor. Excludes ANTH 328H, 3480Y (348).

ANTH 3290H – Senses and culture

This course considers the senses as culturally mediated and culture as sensually mediated. We consider a diversity of non-western sensoriums, and also examine questions such as: Are there five senses, or is this one specific construct? Has western culture always been dominated by vision? Prerequisite: ANTH 2000Y (200) or permission of instructor.

ANTH – BIOL – FRSC 3415Y – Human osteology and forensic anthropology (Sc)

An introduction to forensic anthropology, a subfield of biological anthropology that focuses on the recovery, identification, and evaluation of human skeletal remains within a medico-legal context. Students learn the basic principles of human osteology, as well as methods of determining age, sex, stature, and other identifying characteristics of skeletal remains. Limited enrolment. Prerequisite: ANTH 2400Y (240). Excludes ANTH – BIOL 341.

ANTH – BIOL 3440H – Human genetics (Sc)

A survey of genetic principles as applied to the human being with special emphasis on clinical, population and evolutionary genetics. Prerequisite: ANTH 2400Y (240) or permission of instructor. Excludes ANTH – BIOL 343 and 344H.

ANTH 3450H – Plagues and people (Sc)

This course focuses on the origins of plagues and the biological and social impact of major epidemics, past and present, on human societies. Themes explored include the role of human behaviour in the outbreak of disease, responses to epidemics, and human evolution and disease. Prerequisite: ANTH 1000Y (100), or 1010H (101) and 1020H (102) or permission of instructor.

ANTH – BIOL 3460H – Biocultural explorations of the human life course (Sc)

A survey of the human life-course through a bio-cultural lens, focusing on life history theory, demography, growth and development, adaptive human biology, determinants of health, and aging. The human species on the individual and population levels is seen as a product of evolutionary and biological forces, and of culture and society. Prerequisite: ANTH 1000Y (100), or 1010H (101) and 1020H (102) or permission of instructor. Excludes ANTH – BIOL 346H.

ANTH – BIOL 3470H – Primate behaviour (Sc)

A general survey of the Order Primates, focusing on their history, classification, distribution, ecology and behaviour within an evolutionary/adaptive context, with emphasis on the comparisons of non-human primates with the human species. Prerequisite: ANTH 2400Y (240) or permission of instructor. Excludes ANTH – BIOL 347H.

ANTH 3480Y – Medical anthropology (Sc)

This course examines the biocultural basis of health, healing systems in cross-cultural perspectives, western vs. non-western biomedical traditions, and perceptions of illness and healing. Topics include the impact of systemic inequalities on health, anthropological applications to medicine, nursing, and public health, and biocultural approaches to contemporary health problems. Prerequisite: ANTH 1000Y (100), or 1010H (101) and 1020H (102) or permission of instructor. Excludes ANTH 3280H (328H), 348 and 4280H (428H).

ANTH – BIOL 3490H – Primate evolution (Sc)

General biology, systematics, anatomy and paleontology of non-human primates, including the importance of primates for understanding human evolution. Prerequisite: ANTH 2400Y (240) or permission of instructor. Excludes ANTH – BIOL 340 and 349H.

ANTH 3510Y – Anthropology of art

This course examines the nature of visual art, aesthetics, and the artist in cross-cultural perspectives. Historic and contemporary case studies from the Northwest Coast, Australia, US Southwest, New Zealand, and other areas highlight the functions of art relative to religion, identity, and power. Prerequisite: one of ANTH 2000Y (200), 2120Y (212), ANTH – CAST – INDG 2530Y (253) or permission of instructor. Excludes ANTH 351.

ANTH 3550H – Hunters-gatherers

This course examines variability within and between hunter-gatherer groups and sees how differences can be understood in an ecological and social perspective. To illustrate the diversity of hunter-gatherer adaptations, this course draws on case studies from Europe, Asia, the Americas and Oceania. Prerequisite: ANTH 2000Y (200) or 2120Y (212).

ANTH 3650H – Landscape and settlement archaeology (Sc)

The course explores the spatial dimension of archaeological data and its relationship to ecology and human behaviour. Approaches to the distributions of artifacts and sites, the organization of buildings and settlements, and the interactions between cultures will be discussed. Both techniques of analysis and interpretative concepts will be presented. Prerequisite: ANTH 2120Y (212) or permission of instructor. Excludes ANTH 365H.

ANTH – ERSC 3680H – Environmental archaeology (Sc)

This course focuses on the concepts and methods used by archaeologists to investigate the long-term interactions between humans and the environment. The course explores the wide diversity of approaches (geomorphology, paleobotany, archaeozoology, paleoentomology, and isotopic analyses) developed over the years in order to sharpen our understanding of past human-environment dynamics. Prerequisite: ANTH 1000Y (100), or 1010H (101H) and 1020H (102H); or ERSC 1000Y (100); or permission of instructor. Excludes ANTH 3520Y.

ANTH 3700H – Psychological anthropology

This course examines the interrelationship of individual personality and the cultural context. The course includes cross-cultural comparison of emotions, motivation, cognition, imagination, and perception. Personal adjustment, mental illness, states of consciousness, and the nature of mind are all explored from the holistic perspective of anthropology. Prerequisite: ANTH 2000Y (200) or permission of instructor. Excludes ANTH 370H.

ANTH 3710H – The Maya (Sc)

Survey of the ancient and modern Maya of Central America. Examines the culture of the contemporary Maya, one of the largest Indigenous groups of the Americas, as well as the archaeology of pre-Columbian Maya civilization. Prerequisite: ANTH 2120Y (212) or permission of instructor. Excludes ANTH 371H.

ANTH 3720H – Caribbean archaeology (Sc)

Survey of the prehistoric archaeology and ethnohistory of the Caribbean area, including an examination of the cultural history of the Greater and Lesser Antilles. Focus is on the Arawak, Carib, and Taino societies (art, architecture, religion, politics, economy, technology and subsistence) until the arrival of Columbus. Prerequisite: ANTH 2120Y (212) or permission of instructor. Excludes ANTH 372H.

ANTH 3730Y – Archaeozoology (Sc)

The purpose of this class is to introduce students to the analysis and interpretation of animal remains in archaeological sites. The course will focus on theoretical approaches and methods commonly used by archaeozoologists to address research problems. Topics discussed will include skeletal anatomy and identification, taphonomy, demography, seasonality and quantification. Limited enrolment. Prerequisite: ANTH 2120Y (212) or 2400Y (240) or permission of instructor.

ANTH 3740H – Anthropology of performance

An exploration of a central theme in anthropology, ritual and similar performances, from both linguistic and sociocultural perspectives. Topics covered will include rituals as collective representations, interactional rituals, ritual and drama, ritual language and poetics. Prerequisite: ANTH 2000Y (200) or 2310Y (231) or permission of instructor. Excludes ANTH 374H.

ANTH – COIS 3745H – Virtual worlds: The anthropology of online communities

This course will focus on virtual worlds, massively multiple online games (MMOGs), and social networking sites. "Virtual" society is now an increasingly taken for granted aspect of everyday sociality. This course develops tools and theories for investigating these online communities and their increasingly fundamental impact on human relations. Prerequisite: ANTH 1020H or COIS 1010H or permission of instructor. Recommended: ANTH 2000Y (200) and 2310Y (231).

ANTH 3750H – Archaeology of the Southwest (Sc)

An introduction to the prehistory of the Southwest United States, from the Paleoindian to the proto-historic. The course includes case studies of complexity in Chaco Canyon and of violence in the Mesa Verde area. Labs focus on methods of interpreting archaeological data from a series of Southwestern sites. Prerequisite: ANTH 2120Y (212) or permission of instructor. Excludes ANTH 375H.

ANTH – IDST 3770Y – Society, culture and development in Africa (see International Development Studies)

ANTH 3780H – Topics in religion and culture

A focused study of a particular topic in the study of religion and culture. Topics will change from year to year. For 2011-2012 the topic is Buddhism, culture, and society. Prerequisite: ANTH 2000Y (200) or permission of the instructor. Excludes ANTH 4270H.

ANTH 3820H – Culture and food

This course examines classic issues in the anthropology of food. We focus on etiquette of food consumption, food and sex, food and religion and morality, food exchange and preparation, vegetarianism and meat eating, and cannibalism. Prerequisite: ANTH 2000Y (200) or permission of instructor. Excludes ANTH 382H and 494.

ANTH – IDST 3890Y – Andean, economy, culture and society (see International Development Studies)

ANTH 3990Y – Theories of society and culture

Structured thematically, this course will survey the principal theoretical developments in the discipline. Prerequisite: ANTH 2000Y (200). Excludes ANTH 399, 420.

ANTH 3995H – Art and archaeology (Sc)

This course explores archaeological approaches to prehistoric artwork, from studies of art objects to ancient artists and their audiences. Drawing on examples from Upper Paleolithic cave paintings to plaza performances in ancient Peru, we consider topics such as creativity and tradition, art as material culture, and ancient art in the contemporary marketplace. Prerequisite: ANTH 2120Y (212) or permission of instructor.

ANTH 4010Y, 4020D – Honours thesis (Sc depending upon topic)

ANTH 4020D is a double credit in Anthropology. ANTH 4010Y is a single credit because the same thesis is submitted to the other department/program in a joint-major. Students undertake a specific research project and write a thesis of 12,000 to 15,000 words on a well-defined topic. Arrangements begin with the chair of the department March 1 of the preceding academic year and departmental approval must be completed before March 31. Prerequisite: 9.0 university credits, including ANTH 3100Y (310) or 3990Y (399); courses directly relevant to the thesis topic; and an 80% minimum overall average in Anthropology courses completed. Excludes ANTH 401, 402D.

ANTH 4080H – The tourist

This course examines the idea of the tourist both within the context of a “pleasure seeker” and at a more metaphorical level; and the culture(s) and ethnographies of travel. Prerequisite: 7.0 university credits, including ANTH 2000Y (200) or IDST 2000Y (200), or permission of instructor. Recommended: ANTH 3080H (308H). Excludes ANTH 408H.

ANTH – IDST 4090H – Politics, economics and culture

Anthropological approaches to the study of politics and the economy in non-industrial and industrial societies with an emphasis on the symbolic, ritual and social dimensions of these endeavours. The change and transformation of local economic and political units in the context of contemporary state organization and transnational economic systems. Prerequisite: ANTH 2000Y (200), IDST 2000Y (200) or permission of instructor. Excludes ANTH – IDST 4070Y (407).

ANTH – SOCI 4100H – Gifts and commodities

We explore the classic and contemporary discussions of the relationship between gifts and commodities. We trace contemporary debates back to their origins in Marx, Simmel, and Mauss. We consider the relationship between objects and persons, and the conditions of production, circulation, exchange, and consumption of objects. Prerequisite: ANTH 3990Y (399), SOCI 3460H or permission of instructor. Excludes ANTH – SOCI 410H.

ANTH 4110Y – Andean prehistory (Sc)

A detailed survey of the pre-Hispanic civilizations of Peru and Bolivia. Archaeological evidence for the economy, ideology and social organization of Inca, Tiwanaku, Moche and other Andean civilizations will be reviewed. Prerequisite: ANTH 2120Y (212) or permission of instructor. Excludes ANTH 411.

ANTH 4120Y – Archaeology of Ancient Mesoamerica (Sc)

A survey of the ancient Native civilizations of Mexico and Central America from the earliest settlement to the European conquest. The course includes a study of Aztecs, Maya, Olmec and other societies of Mesoamerica. Prerequisite: ANTH 2120Y (212) or permission of instructor. Excludes ANTH 412.

ANTH 4130Y – Archaeology of the Intermediate Area (Sc)

Detailed survey of the ancient Native cultures of lower Central America and northern South America from the earliest settlement to the 16th century. The course examines pre-Columbian evolution of cultures from Honduras to Ecuador, focusing upon Aboriginal arts and technologies and contacts with the civilizations of Mesoamerica and the Andes. Prerequisite: ANTH 2120Y (212) or permission of instructor. Excludes ANTH 413.

ANTH 4140H – Historic archaeology (Sc)

A survey of the methods and techniques that historical archaeologists use to define, describe, and analyze their data. Prerequisite: ANTH 2120Y (212) or permission of instructor. Excludes ANTH 414H.

ANTH 4150H – Cultural heritage management (Sc)

An introduction to the approaches archaeologists use to address challenges and solve problems in the identification, evaluation, conservation, management, and interpretation of archaeological sites. Emphasis placed on examples from southern Ontario. Prerequisite: ANTH 2120Y (212) or permission of instructor. Excludes ANTH 415H.

ANTH – CAST – INDG 4151Y – Archaeology of Ontario (Sc)

Detailed survey of the ancient Indigenous cultures of Ontario from the earliest period to European contact. Archaeological evidence for technology, subsistence, settlement, external relationships, socio-political organization, and cosmology will be reviewed. Prerequisite: ANTH 2120Y (212) or permission of instructor. Excludes ANTH 415.

ANTH 4160Y – Ethnographic method and theory in cultural anthropology

The course will cover research design, field methods, ethics, styles of ethnographic writing and ongoing critical debates about methodology. Prerequisite: ANTH 2000Y (200) or permission of the instructor. Excludes ANTH 309 and ANTH 416.

ANTH 4170H – Archaeology and popular culture

This course provides a critical assessment of ways in which archaeology and archaeologists are portrayed in various forms of popular culture, including films, television dramas, documentaries, cartoons, fiction novels, magazines, video and board games, and science fiction. Prerequisite: ANTH 2120Y (212) and 3000Y (300), or 3100Y (310) or permission of instructor. Excludes ANTH 417H, 4931H.

ANTH 4180H – Collapse of complex societies (Sc)

Using anthropological theory, and archaeologically generated data sets, this course explores the characteristics of, and reasons for, the “collapse” of complex societies. Implications for the contemporary world are also discussed. Prerequisite: 10.0 university credits or permission of instructor.

ANTH 4190H – The archaeology of inequality (Sc)

Using broader theoretical perspectives from the social sciences and archaeological data sets from around the world, this course explores the factors leading to the emergence and exacerbation of social inequalities amongst pre-state societies. Prerequisite: ANTH 2120Y (212) or permission of instructor.

ANTH 4260H – Advanced topics in culture and mortality

A continuation of Culture and Mortality in which we explore in-depth a few topics relating to death; topics based on student interest. Prerequisite: ANTH 3260H (326H) or permission of instructor. Excludes ANTH 426H.

ANTH 4265H – Advanced topics in senses and culture

A continuation of Senses and Culture. We explore in-depth a few topics relating to the senses, based on student interest. Prerequisite: 9.0 university credits including ANTH 3290H or permission of instructor. Recommended: ANTH 3990.

ANTH 4280H – Issues in the anthropology of health (Sc)

This course addresses issues in the anthropology of health. Topics include the medicalization of women's and reproductive health, aging and health, emerging and re-emerging infectious diseases, and community responses to current health crises. Prerequisite: ANTH 2400Y (240) or permission of instructor. Excludes ANTH 3480Y (348), 428H.

ANTH 4290H – Anthropology of the city

An anthropological introduction to the broad dynamics of urbanization, especially the emergence of the “modern” city, which shapes and is shaped by a variety of social phenomena. Special emphasis will be placed on the use of ethnographic analysis to understand how processes of urban society manifest themselves in everyday life. Prerequisite: ANTH 2000Y (200) or ANTH 2310Y or permission of instructor.

ANTH – AHCL 4410H – Mortuary archaeology (Sc)

This course examines the act of burial from an archaeological perspective. We focus on temporal trends in mortuary customs from Neandertals to modern humans. Gender, age, ethnic and social differences in burial patterns will also be explored. Prerequisite: ANTH 2000Y (200) or 2120Y (212) or 2400Y (240); or AHCL 2100Y (210) or 2200Y (220) or 2300Y (230); or permission of instructor.

ANTH 4420H – Palaeopathology (Sc)

This course focuses on the study of disease in human skeletal remains. Emphasis is placed on the description and diagnosis of bone pathology, theoretical issues underlying the reconstruction of the health of past populations, and recent molecular and microscopic approaches to the study of disease in bone. Prerequisite: ANTH – BIOL – FRSC 3415Y (341) or permission of instructor. Excludes ANTH 442H.

ANTH 4440H – Nutritional anthropology (Sc)

This course examines human dietary behaviour as a product of interactions among ecology, culture and biology. It focuses on basic nutritional and ecological principles, diet from evolutionary, comparative and historical perspectives, cultural factors influencing diet, food as medicine, and the impact of under-nutrition on human physiology and behaviour. Prerequisite: ANTH 2400Y (240) or permission of instructor.

ANTH 4450H – Human adaptability (Sc)

This course focuses on the ways in which modern humans have adapted to their environments. Human variation in responses to climatic, nutritional, disease, and demographic variables is explored, and emphasis is placed on the interactions between biology, culture and behaviour. Topics include adaptation to temperature, altitude, nutrition, and disease. Prerequisite: ANTH 2400Y (240) or permission of instructor.

ANTH – CAST 4505H – Anthropology of race and racism

An exploration of the historical development of the race concept in science and society; its current status in teaching and research in anthropology and other social and biomedical sciences; and its representation in contemporary culture and society in Canada and elsewhere. Prerequisite: ANTH 2000Y (200) or 2400Y (240); or CAST 3000Y (300); or permission of instructor. Excludes ANTH – CAST 450H.

ANTH – IDST 4750H – Perspectives on ethnicity (see International Development Studies)

ANTH – IDST 4760H – Family and modernity (see International Development Studies)

ANTH – INDG 4770H – Anthropology of colonialism

This course provides an historical anthropological exploration of colonialism. Drawing on case studies from Eurasia, North America, the Middle East, Asia and Africa, it focuses on the colonial construction of categories of language, race, ethnicity, gender, and sexuality, and how such cultural categories have been transformed and/or reproduced in the postcolonial present. Prerequisite: ANTH 2000Y (200). Co-requisite: ANTH 3990Y (399). Excludes ANTH 477H.

ANTH 4800H – Cultural dynamics

This course examines the active processes of culture, particularly the development of new cultural ideas, the spread of those ideas among individuals and societies, and long-term transformations in cultural patterns. We will explore cultural origins, the media of storage and transmission, and inter-cultural contact and exchange. Prerequisite: ANTH 2000Y (200) or permission of instructor. Excludes ANTH 480H.

ANTH 4810H – Monsters: Societies seen through their others

This course examines the linguistic, semiotic and cultural constitution of figures of otherness or “alterity” that both define the boundaries and provide inverted images of societies and languages, paying particular attention to figures of monstrous alterity, both physical and linguistic monstrosity, and along various dimensions of difference. Prerequisite: ANTH 2000Y (200) or 2310Y (231) or permission of the instructor. Excludes ANTH 481H.

ANTH 4820H – Anthropology of technology and nature

This course takes a critical anthropological perspective on the categories of nature and technology as historical and social/cultural constructions. We will explore the social/cultural life of technological artifacts from steam engines to the internet, and nature, including humanly constructed “second nature” (ruins, underground environments, cities). Prerequisite: ANTH 2000Y (200) or 2310Y (231) or permission of instructor.

ANTH – POST 4830H – Anthropology of food politics

This course explores moral and ethical dimensions of food production and circulation. The politics of excess and want, national cuisines, reactions to industrial and fast food (the Slow Food movement, culinary connoisseurship). Food distribution, from home to restaurants and fast food joints, is examined in the context of changing demands of work. Prerequisite: ANTH 2000Y (200) or permission of instructor. Excludes ANTH 483H.

ANTH 4900Y, 4901H, 4902H – Reading course (Sc depending upon topic)

A course designed to pursue special interests largely through independent study. Signature of instructor and department required. Details to be arranged in advance consultation with faculty in Anthropology and proposals to be submitted to the chair of the department for approval and signature before registration.

ANTH – WMST 4932H – Sex, gender and science (see Gender & Women’s Studies)

Biochemistry & Molecular Biology

Program Coordinators

Chair of the Biology Department

B. White, B.Sc., (Nottingham), Ph.D. (McMaster)

Chair of the Chemistry Department

D. A. Ellis, B.Sc. (Glasgow), M.Sc. (Aberdeen), M.Sc., Ph.D. (Toronto)

Faculty

See listing of faculty in Biology and Chemistry

The chemistry of life processes is at the heart of all living things. The Biochemistry & Molecular Biology program is designed to provide a foundation in the chemistry of biological systems, combining study of analytical, organic and physical chemistry with biochemistry, molecular biology and cell physiology. Students completing the program will have a detailed understanding of the processes that control and mediate health, illness, reproduction, growth and ultimately life itself. Honours research projects introduce students to modern methods in protein chemistry, bioengineering and molecular biology.

BACHELOR OF SCIENCE PROGRAM IN BIOCHEMISTRY & MOLECULAR BIOLOGY

- See [p. 28](#) for requirements which apply to all undergraduate degree programs.
- The Biochemistry & Molecular Biology program is a sequence of courses offered by the departments of Biology and Chemistry that compose an integrated whole.
- There is no minor in Biochemistry & Molecular Biology.
- Biochemistry & Molecular Biology is not available as part of a joint-major degree.
- For information on individual courses see calendar entries for Biology and Chemistry.
- Students wishing to transfer to a single-major program in Biology or Chemistry should consult the chair of the appropriate department when they have successfully completed 8.0 to 10.0 course credits.
- A maximum of 2.0 credits in thesis or project courses may be counted toward a Biochemistry & Molecular Biology degree.
- An average of 75% in all previous Chemistry and Biology courses and permission of the coordinator are prerequisites for CHEM 4030Y (456) and 4040D (457D).
- For the Specialization in Health Sciences, see [p. 50](#).

The Honours program. 20.0 credits including the following 16.5 credits:

- 3.0 BIOL credits consisting of BIOL 1020H (102H), 1030H (103H), 2000H (200H), 2050H (205H), 2070H (207H) and 3080H (308H)
- 2.0 BIOL credits from BIOL 3250H (325H), 4370H (326H), 3830H (383H), 3840H (384H), 4080H (408H), 4160H (416H), 4260H (426H), 4320H (432H), 4370H (437H), 4380H (438H); 4280H (328H) or 4280H (428H), 4600H (460H) or BIOL – PSYC 4840H (484H)
- 4.0 CHEM credits consisting of CHEM 1000H and 1010H (100); 2500H and 2510H (200); 2100H and 2110H (212); 2400H (240H) and CHEM – BIOL 2300H (231H)
- 1.0 CHEM credit from CHEM – BIOL 3300H (331H) and 3310H (332H)
- 1.0 CHEM credit from CHEM – BIOL 4300H (435H) and 4310H (436H)
- 1.0 CHEM credit at the 3000-level; or CHEM 2200H (321H) and 0.5 CHEM credit at the 3000-level
- 3.0 BIOL or CHEM credits in addition to the above, beyond the 2000-level
- 1.0 MATH credit from MATH 1100Y (110) or 1101Y; or MATH 1005H (105H) and another 0.5 MATH credit
- 0.5 PHYS credit from PHYS – BIOL 1060H or PHYS 1001H

The General program. 15.0 credits including the following 12.5 credits:

- 3.0 BIOL credits consisting of BIOL 1020H (102H), 1030H (103H), 2000H (200H), 2050H (205H), 2070H (207H), 3080H (308H)
- 2.0 BIOL credits from BIOL 3250H (325H), 3830H (383H), 3840H (384H), 4080H (408H), 4160H (416H), 4260H (426H), 4280H (428H or 328H), 4320H (432H), 4370H (437H or 326H), 4380H

- (438H), 4600H (460H) or BIOL – PSYC 4840H (484H)
- 4.0 CHEM credits consisting of CHEM 1000H and 1010H (100); 2500H and 2510H (200); 2100H and 2110H (212); 2400H (240H) and CHEM – BIOL 2300H (231H)
 - 1.0 CHEM credit from CHEM – BIOL 3300H (331H) and 3310H (332H)
 - 1.0 CHEM credit in addition to the above, at the 3000-level or CHEM 2200H (321H) and 0.5 CHEM credit at the 3000-level
 - 1.0 MATH credit in MATH 1100Y (110) or 1101Y; or in MATH 1005H (105H) and another 0.5 MATH credit
 - 0.5 PHYS credit from PHYS – BIOL 1060H or PHYS 1001H

Biology

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Professor and Chair of the Department

B. White, B.Sc. (Nottingham), Ph.D. (McMaster)

Associate Professors and Canada Research Chairs

D. Murray, B.Sc. (McGill), M.Sc. (Alberta), Ph.D. (Wisconsin); **P. Wilson**, B.Sc., M.Sc., Ph.D. (McMaster)

Assistant Professor and Schindler Endowed Professor of Aquatic Science

P. Frost, B.S. (Rochester), M.S. (Ohio State), Ph.D. (Arizona State) (*on leave Fall term*)

Professors

N. Emery, B.Sc. (Queen's), Ph.D. (Calgary); **M. G. Fox**, B.A. (Pennsylvania), M.E. Des. (Calgary), Ph.D. (Queen's); **E. Nol**, B.Sc. (Michigan), M.Sc. (Guelph), Ph.D. (Toronto) (*on leave Winter term*); **J. Schaefer**, B.Sc. (McGill), M.Sc. (Manitoba), Ph.D. (Saskatchewan) (*on leave 2011-2012*); **J. F. Sutcliffe**, B.Sc. (Waterloo), M.Sc., Ph.D. (Toronto) (*on leave Winter term*)

Associate Professors

I. Brenner, R.N., B.Sc., B. Phys. Ed., B.Sc.N. (Toronto), M.Sc. (Queen's), Ph.D. (Toronto); **C. Brunetti**, B.Sc., Ph.D. (McMaster) (*on leave Fall term*); **G. Burness**, B.Sc. (Memorial), M.Sc. (Brock), Ph.D. (U.B.C.); **J. Freeland**, B.Sc. (Saskatchewan), M.Sc., Ph.D. (Queen's); **C. Kapron**, B.Sc. (Waterloo), M.Sc., Ph.D. (McGill); **L. Kerr**, B.Sc., M.Sc. (Carleton), Ph.D. (British Columbia) (*on leave 2011-2012*); **M. Xenopoulos**, B.Sc., M.Sc. (Montréal), Ph.D. (Alberta) (*on leave Fall term*)

Assistant Professors

J. Cebek, B.Sc., M.Sc. (Trent), Ph.D. (York); **M. Dorken**, B.Sc. (Guelph), M.Sc. (Queen's), Ph.D. (Toronto); **J. Mackie**, M.Sc., Ph.D. (Queen's)

Adjunct Faculty

D. Beresford, B.Sc. (Trent), B.Ed. (Queen's), Ph.D. (Trent); **M. Foellmer**, B.Sc. (Free University Berlin), Ph.D. (Concordia); **T. Frasier**, B.Sc. (North Dakota), Ph.D. (McMaster); **J. Wang**, B.Sc. (Toronto), M.Sc. (Guelph), Ph.D. (McMaster); **J. Yee**, B.Sc. (Toronto), M.Sc. (Queen's), Ph.D. (UBC)

Senior Demonstrator

D. McKay, R.T., B.Sc. (Trent), M.Sc. (Toronto)

Demonstrators/Technicians

S. Chow, B.Sc. (Simon Fraser); **D. Lietz**, Lb.T. (Seneca); **S. White Sobey**, B.Sc. (Trent)

Professors Emeriti

M. Berrill, B.Sc. (McGill), M.Sc. (Hawaii), Ph.D. (Princeton); **R. L. Edwards**, M.A., D.Phil. (Oxon); **T. C. Hutchinson**, B.Sc. (Manchester), Ph.D. (Sheffield), F.R.S.C.; **R. Jones**, B.Sc. (Wales), M.Sc. (Kansas), Ph.D. (Wales); **D. C. Lasenby**, B.Sc. (Trent), Ph.D. (Toronto); **P. M. Powles**, B.A. (McGill), M.Sc. (Western Ontario), Ph.D. (McGill); **I. M. Sandeman**, B.Sc. (St Andrews), FLS., Ph.D. (West Indies)

Biology is the study of life at all levels of organization, from molecular and cell to population and community. Students who complete a single major in Biology will have a broad introduction to these topics, along with the opportunity to specialize in aspects of biology that particularly interest them. Many courses provide an opportunity for independent research projects. The Biology department

offers two Specializations, one in Conservation Biology, the other in Health Sciences. As well, the Biochemistry & Molecular Biology program is shared with the Chemistry department. Students may choose to do joint-major degrees with other departments or programs, including Environmental & Resource Science/Studies, Chemistry, Geography, Anthropology and Psychology, among others.

Notes

- Students may take a maximum of 1.0 credit in Biology reading courses at the 3000-level and 1.0 credit at the 4000-level. Reading courses at both levels may not be taken in the same academic session.
- If fewer than 10 students enrol in a course, the format may be changed. If fewer than five students enrol in a course, it may be cancelled.
- Any course involving work with live vertebrate animals requires the Animal Care Course which is described on [p. 30](#) of the calendar. The Animal Care Course requirement is indicated in some course descriptions but may also apply to others. Check with the department secretary or course instructor if in doubt.
- Fees may be levied for field trips in some courses.
- Transfer students should consult with the chair of the department before selecting courses.
- For the Biochemistry & Molecular Biology program, see the Biochemistry & Molecular Biology section of the calendar.
- Students who have fulfilled the requirements for a single-major Honours degree in another subject may apply to the Office of the Registrar for a minor in Biology if they have met the requirements for the joint-major General degree (see below).
- Some courses that were previously offered at the 2000-level are now being offered at the 3000-level, and vice versa. In each case it is the level at which a student took the course that will be considered when calculating the number of credits beyond the 2000-level required for the student's degree (7.0 for the Honours degree, 4.0 for the General degree).

BACHELOR OF SCIENCE PROGRAM IN BIOLOGY

- See [p. 28](#) for requirements which apply to all undergraduate degree programs.
- The same course may not simultaneously satisfy the requirements of both programs in a joint-major degree.
- MATH 1100Y (110) or 1101Y, MATH 1050Y (150) or MATH 1005H (105H) and MATH 1550H (155H) are strongly recommended for fulfilling the University requirement of 1.0 credit in Mathematics in the B.Sc. program. (Psychology joint-majors may substitute PSYC 2015Y (215) or 2016H and 2017H.)
- The following courses are also recommended for students planning to major in Biology: either CHEM 1000H and 1010H or 100; either CHEM 2100H and 2110H or 212, CHEM 2300H (231H), ERSC 1000Y (100), ERSC 3501H, GEOG 1040H (104H), MATH 1350H (135H), PHIL 4720H (472H) and PHYS 1000Y (100).
- It is recommended that courses taken in the fourth year of the Honours program be beyond the 2000-level.
- Students intending to take the Graduate Record Examinations (GRE) Advanced Biology Test, required by some Canadian and American Graduate Schools, should include the following courses in their program: BIOL 2050H (205H), 2070H (207H), 3620H (362H); BIOL 2600H (260H) or 361H; BIOL 3080H (308H) or 206H; BIOL – ERSC 2260H (226H) or BIOL 216H and 217H; either CHEM 1000H and 1010H or 100; MATH 1100Y (MATH 110).
- Students intending to pursue graduate studies should take BIOL 4010Y (401) or 4020D (402D).
- For the Specializations in Conservation Biology and in Health Sciences, see below.

The single-major Honours program. 20.0 credits including the following 11.0 credits:

- 2.5 BIOL credits consisting of BIOL 1020H (102H), 1030H (103H), 2000H (200H), 2050H (205H) and 2070H (207H)
- 0.5 BIOL credits from BIOL 2600H (260H) or 361H
- 0.5 BIOL credit from BIOL – ERSC 2260H (226H) or 216H or 217H
- 6.5 BIOL credits in addition to the above
- 1.0 CHEM credit consisting of CHEM 1000H and 1010H (or 100)
- 14.0 science credits are required for the Honours degree, including 1.0 MATH credit

The joint-major Honours program. 20.0 credits including the following 7.0 credits:

- 2.5 BIOL credits consisting of BIOL 1020H (102H), 1030H (103H), 2000H (200H), 2050H (205H) and 2070H (207H)
- 0.5 BIOL credits from BIOL 2600H (260H) or 361H
- 0.5 BIOL credit from BIOL – ERSC 2260H (226H) or 216H or 217H
- 3.5 BIOL credits in addition to the above
- 14.0 science credits are required for the Honours degree, including 1.0 MATH credit

The single-major General program. 15.0 credits including the following 7.0 credits:

- 2.5 BIOL credits consisting of BIOL 1020H (102H), 1030H (103H), 2000H (200H), 2050H (205H) and 2070H (207H)
- 0.5 BIOL credits from BIOL 2600H (260H) or 361H
- 0.5 BIOL credit from BIOL – ERSC 2260H (226H) or 216H or 217H
- 2.5 BIOL credits in addition to the above
- 1.0 CHEM credit consisting of CHEM 1000H and 1010H or 100
- 11.0 science credits are required for the General degree, including 1.0 MATH credit

The joint-major General program. 15.0 credits including the following 5.0 credits:

- 2.5 BIOL credits consisting of BIOL 1020H (102H), 1030H (103H), 2000H (200H), 2050H (205H) and 2070H (207H)
- 0.5 BIOL credits from BIOL 2600H (260H) or 361H
- 0.5 BIOL credit from BIOL – ERSC 2260H (226H) or 216H or 217H
- 1.5 BIOL credits in addition to the above
- 11.0 science credits are required for the General degree, including 1.0 MATH credit

The minor in BIOL consists of the following 5.0 credits:

- 2.5 BIOL credits consisting of BIOL 1020H (102H), 1030H (103H), 2000H (200H), 2050H (205H) and 2070H (207H)
- 0.5 BIOL credits from BIOL 2600H (260H) or 361H
- 0.5 BIOL credit from BIOL – ERSC 2260H (226H) or 216H or 217H
- 1.5 BIOL credits in addition to the above

SPECIALIZATION IN CONSERVATION BIOLOGY

Telephone: 705-748-1011 ext. 7424
Fax: 705-748-1139

E-mail: biology@trentu.ca
Web: www.trentu.ca/biology

Program Coordinators

E. Nol, B.Sc. (Michigan), M.Sc. (Guelph), Ph.D. (Toronto)
P. Wilson, B.Sc., M.Sc., Ph.D. (McMaster)

The Specialization in Conservation Biology is available to students in the Honours program in Biology. The Specialization is designed to provide students with theoretical and practical training in the conservation of living organisms. It capitalizes, in part, on the expertise and activities of collaborating regional, provincial or national agencies such as the Ministry of Natural Resources, Toronto Zoo, and regional Conservation Authorities. A distinctive feature of the Specialization is the opportunity for an internship with a collaborating agency.

The transcripts of students graduating with an Honours degree in Biology who have successfully completed the requirements of the Specialization will contain the notation “with a Specialization in Conservation Biology.”

Note

- BIOL 4400Y – Internship in Conservation Biology. See description under course listings. Students must apply in the academic year before enrolment in the course. Applications can be obtained from the Biology office and online at www.trentu.ca/biology/forms.php. Enrolment is limited and is competitive.

Specialization requirements include the following 6.5 credits:

- 1.0 BIOL credit consisting of BIOL 4400Y (440) (must apply by April in year prior to enrolment)
- 1.0 BIOL credit consisting of BIOL 3620H (362H) and BIOL – ERSC 4390H (439H)
- 1.0 BIOL credit from BIOL – ERSC 2260H (226H), 216H, 217H, 3380H (338H)
- 0.5 BIOL credit on a topic related to Conservation Biology from BIOL 3900Y (390), 3901H (391H), 3902H (392H), 3903H (393H), 4900Y (490), 4901H (491H), 4902H (492H) or 4903H (493H)
- 3.0 credits from the following:
 - BIOL 2600H (260H) or 361H, 3050H (305H), 3090H (309H), 3140H (314H), 3170H, 3190H (319H), 3340H, 3500H (350H) or 250H, 3850H (385H), 3851H (386H), 3852H (387H), 3853H (388H), 4110H (411H), 4140H (414H), 4150H, 417H, 4180H (418H), 4200H (420H) or 321H, 4280H (428H) or 328H, 4500H, 4520H, 4610H;
 - BIOL – ERSC 4330H (433H)
 - BIOL – FRSC 4510H
 - BIOL – PSYC 3360H (336H)
 - ERSC 3160H (316H), 3200Y (320), 3300Y (330), 3350H (335H), 3510H (351H), 4240H (424H), 4520H (452H), 4640H (464H), 4670H (467H), 4800Y (480), 4810H

SPECIALIZATION IN HEALTH SCIENCES

Telephone: 705-748-1011 ext. 7424
Fax: 705-748-1139

E-mail: biology@trentu.ca
Web: www.trentu.ca/biology

Program Coordinators

C. Brunetti, B.Sc., Ph.D. (McMaster) (*on leave Fall term*)
C. Kapron, B.Sc. (Waterloo), M.Sc., Ph.D. (McGill)

The Specialization in Health Sciences is available to students in the Honours B.Sc. programs in Biology or in Biochemistry & Molecular Biology. It is intended for students who are interested in a career related to health care or research. The Specialization will give students training in the practical, as well as the theoretical, aspects of a diversity of medically related topics. A distinctive feature of the Specialization is the opportunity for an internship with a collaborating agency or individual sponsor in a Health Science setting.

The transcripts of students graduating with an Honours degree in Biology or Biochemistry & Molecular Biology, who have successfully completed the requirements of the Specialization will contain the notation “with a Specialization in Health Sciences.”

Notes

- The Specialization is open to students in the Honours programs in Biology or in Biochemistry & Molecular Biology who have earned a minimum of 13.5 university credits.
- Students who choose courses in non-science departments should keep in mind that a university-level mathematics course is required to obtain a B.Sc.
- Many medical schools require General Biology, General Chemistry, Physics and a Humanities or Social Sciences course for admission. Students should consult each school for specific requirements.
- BIOL 4450Y – Internship in Health Sciences (See description under course listings). Students are eligible to apply in the year before anticipated enrolment in the course. Application forms can be obtained from the Biology office and must be submitted to the course coordinator before April 1. Enrolment is limited and competitive. Students may not apply retroactively.

Specialization requirements include the following 9.0 credits:

- 1.0 BIOL credit consisting of BIOL 4450Y (must apply by April in year prior to enrolment)
- 3.0 BIOL credits consisting of BIOL 1020H (102H), 1030H (103H), 2050H (205H), 2070H (207H), 3830H (383H), 3840H (384H)
- 0.5 BIOL credit from BIOL 3080H (308H) or 206H
- 1.0 CHEM credit consisting of CHEM 1000H and 1010H (or 100)
- 0.5 credit on a topic related to Health Sciences from 3900Y or 4900Y series reading courses in BIOL, CHEM, ERSC or PSYC

- 3.0 credits from the following:
 - ANTH 3280H (328H), 3460H (346H), 4280H (428H)
 - BIOL 2110H (211H), 3040H (304H), 3070H (307H), 3100H (310H), 3250H (325H), 4080H (408H), 4110H (411H), 4160H (416H), 4190H (419H), 4260H (426H), 4320H (432H), 4620H (462H), 4370H (437H) or 326H; 4380H (438H) or 335H
 - BIOL – PSYC 4840H (484H)
 - CHEM 2300H or 231H, 3300H or 331H, 3310H or 332H, 4300H or 435H
 - ECON – CAST 3840H (384H)
 - ERSC 3700Y (370), 4120H (412H)
 - GEOG 3820H
 - PSYC 3750H (343H), 3230H (372H), 3210H (375H), 3220H (376H), 4310H (435H)
 - SOCI 3630Y (363)
 - PHIL 2390H (239H), 4390H (439H)

Please consult the academic timetable, available through myTrent, for information on courses that will be offered in 2011–2012 including when they will be scheduled.

BIOL 1020H – Current issues in biology I

An examination of the biological principles underlying questions concerning biodiversity and evolution. The course will begin with a discussion of biodiversity and the implications of its loss. This will be followed by consideration of the evolution of life on earth, exploring the underlying processes of natural selection and ecological interactions. Prerequisite: 4U Biology or its equivalent or permission of the department. Excludes BIOL 102H.

BIOL 1030H – Current issues in biology II

An examination of the biological principles underlying questions of biomedical interest. The course will consider topics such as reproductive technology, physiological adaptation to extreme environments, the cellular basis of disease, and genetic engineering and biotechnology. Prerequisite: 4U Biology or its equivalent or permission of the department. Excludes BIOL 103H.

BIOL 1050H – Human anatomy

This course is designed to provide the student with a basic understanding of the structure of the human body using a systems approach. In order to gain an appreciation of the complexity of the human body, it will be examined on both a microscopic and macroscopic level. Prerequisite: 4U Biology and Chemistry. Recommended: 4U Kinesiology. Open only to students enrolled in the Bachelor of Science in Nursing and the Bachelor of Science in Forensic Science programs. Excludes BIOL 105.

BIOL 1051H – Human physiology

This course is designed to provide the student with a basic understanding of the function of the human body using a systems approach. A central theme emphasized throughout the course will be the mechanisms used to maintain homeostasis under normal, healthy conditions. Prerequisite: 4U Biology and Chemistry. Recommended: 4U Kinesiology. Open only to students enrolled in the Bachelor of Science in Nursing and the Bachelor of Science in Forensic Science programs. Excludes BIOL 105.

BIOL – PHYS 1060H – Physics for the life sciences (see Physics)

BIOL – CHEM 1550H – Introductory life sciences

An overview of introductory principles in human nutrition, microbiology and pharmacology, including introductory drug calculations. The course will focus on personal health and wellness, as well as provide an introduction to the most basic elements of these topics as they relate to nursing practice. Prerequisite: 4U Biology and Chemistry. Open only to students in the B.Sc.N. program. Excludes CHEM 1700H (155H). (Cannot be used toward any major in Biology)

BIOL 2000H – Methods of biological inquiry

This course provides experience in asking and answering questions in biology, exploring the power of the scientific method and the importance of critical analysis. Examples will involve a wide diversity of organisms and approaches, involving the use of a variety of statistical tools. Prerequisite: BIOL 1020H (102H) or 1030H (103H). Excludes BIOL 200H.

BIOL – FRSC 2050H – Introduction to genetics

This course will develop a basic understanding of genetics. Mendelian inheritance, chromosome structure, genetic recombination, mutation, the structure of DNA, the nature of genes and current topics in genetics will be investigated using examples from plants, animals, insects, bacteria, fungi and viruses. Prerequisite: BIOL 1030H (103H), and one of BIOL 1020H (102H) or 1050H or 105. Excludes BIOL 205H.

BIOL 2070H – Cell biology

An introduction to cell structure and function, including the organization, physiology, architecture and interactions of cells. Cellular mechanisms of differentiation, development, cancer and the immune response will be explored. Prerequisite: BIOL 1030H (103H). Recommended: Either CHEM 1000H and 1010H or 100. Excludes BIOL 207H.

BIOL – ERSC – GEOG 2080H – Natural science statistics (see Geography)**BIOL 2100H – Biology of Invertebrates**

An introduction to the diversity of invertebrate animals emphasizing their evolutionary relationships and functional, behavioural and ecological aspects of their biology. Prerequisite: BIOL 1020H (102H) or 1030H (103H). Excludes BIOL 210H, 315H.

BIOL 2110H – Vertebrate zoology

The evolution, ecology, life history, structural and functional morphology of the vertebrates. Required dissections. Prerequisite: BIOL 1020H (102H) or 1030H (103H). Excludes BIOL 211H.

BIOL – ERSC 2260H – Introductory ecology

An examination of the interactions between organisms and their environment at the levels of the population, community, and ecosystem. The course will cover basic concepts, theories and methods used in ecology and the application of these to ecological and environmental problems. Prerequisite: BIOL 1020H (102H). Excludes BIOL – ERSC 216H, 217H, 226H.

BIOL 2290H – Plants in society

An examination of the importance of plants in society. Topics include an in-depth look at the role of plants in human population growth, biotechnology, food safety, medicines and commercial products. Prerequisite: BIOL 1020H (102H). Excludes BIOL 229H, 329H.

BIOL – CHEM 2300H – Biochemical concepts (see Chemistry)**BIOL – CHEM 2550H – Advanced life sciences**

A detailed examination of selected principles in human nutrition, microbiology and pharmacology. The course will focus on health through the lifespan and the impact of living in a community, as well as medications used in the treatment of central nervous system disorders. Prerequisites: Minimum of 60% in BIOL – CHEM 1550H. Open only to students enrolled in the B.Sc.N. program. Excludes BIOL 213H, 214H. (Cannot be used toward any major in Biology.)

BIOL 2600H – Evolution

A study of the pattern of the evolution of life over the past billion years focusing on key events and transitions, and the underlying processes that made them happen. Prerequisite: BIOL 2050H (205H). Excludes BIOL 260H, 361H.

BIOL – ERSC 2700Y – Environmental science for teacher education (see Environmental & Resource Science/Studies)

(Cannot be used for credit toward any major in Biology.)

BIOL – FRSC 3000H – Laboratory DNA forensics (Sc) (see Forensic Science)**BIOL 3040H – Histology**

A study of the four basic animal tissue types and how these tissues are subsequently organized into organ systems. An important emphasis will be the relation of tissue form to function. Lab will include a practical component involving hands-on experience in methods of tissue fixation, embedding, sectioning, staining and digital photography. Prerequisite: 7.5 university credits including BIOL 2070H (207H) or 2110H (211H), or permission of instructor. Excludes BIOL 304H.

BIOL 3050H – Limnology

Ecology of freshwater ecosystems, biology, geochemistry and physics of freshwater lakes, rivers and streams. Field trips. Prerequisite: 7.5 university credits including BIOL – ERSC 2260H (226H) or 216H or 217H. Recommended: CHEM 1000H and 1010H (or 100), or permission of instructor. Excludes BIOL 305, 305H.

BIOL 3070H – Electron microscopy

The biological applications of transmission and scanning electron microscopy. Course emphasizes practical instruction in use of microscopes and preparation of biological materials for the electron microscope. Field trips. There will be a maximum charge of \$20 to cover field trips and photographic printing. Prerequisite: 7.5 university credits including BIOL 3040H (304H), or permission of instructor. Excludes BIOL 307H.

BIOL 3080H – Molecular biology

Fundamental concepts in molecular biology with emphasis on the exploration of structure, function, and cellular synthesis of DNA and RNA. Techniques in recombinant DNA technology as well as their applications in biomedical, forensic, and pharmaceutical research will be discussed. Basic techniques in molecular biology and scientific calculations will also be introduced. Prerequisite: 7.5 university credits including BIOL 2050H (205H), CHEM 1000H and 1010H (or 100), or permission of instructor. Excludes BIOL 206H, 308H.

BIOL 3090H – Biology of insects

An introduction to the organization and diversity of insects. Lectures emphasize insect physiology, ecology and behaviour. An insect collecting kit for making required insect collection will be available for cash deposit from Biology department in April preceding the beginning of the course. Prerequisite: 7.5 university credits including BIOL 1020H (102H) and 1030H (103H), or permission of instructor. Excludes BIOL 309H.

BIOL 3100H – Medical entomology

A study of medically important insects and the disease conditions they produce in humans and animals. Topics covered will include insect-borne diseases such as malaria, yellow fever, dengue, etc. and conditions caused by insect infestation of animal tissues (e.g. myiasis). Prerequisite: minimum of 10.0 credits including BIOL 1020H (102H) and 1030H (103H), or permission of instructor. Strongly recommended: BIOL 3090H (309H). Excludes BIOL 310H.

BIOL 3140H – Fish ecology

The biology of fishes with emphasis on biotic and abiotic factors that affect their life histories, distribution, population dynamics, feeding and growth. Field work. Prerequisite: 7.5 university credits including BIOL – ERSC 2260H (226H) or 216H or 217H, or permission of instructor. Strongly recommended: MATH 1050Y or 150, BIOL – ERSC – GEOG 2080H (208H). Excludes BIOL 314H.

BIOL 3170H – Plants and their ancestors

This course examines major transitions in the evolution of terrestrial plants with a focus on the evolutionary relationships among the main lineages of the flowering plants and the mechanisms underlying the tremendous diversity of this group. Prerequisite: 7.5 university credits including BIOL 2600H (260H), or permission of instructor. Excludes BIOL 218H, 317H.

BIOL 3180H – Plants in action

Due to a sessile nature and exceptional demands, plant functioning is unique and highly dynamic. Emphasizing the flowering plants, this course provides an introduction to plant anatomy, physiology and molecular biology. It examines the mechanisms by which plants work and survive in their role as energy providers to the biosphere. Prerequisite: 7.5 university credits including at least 1.0 BIOL credit at the 2000-level, or permission of instructor. Strongly recommended: BIOL 3170H (317H). Excludes BIOL 219H, 318H.

BIOL 3190H – Wild plants of Ontario

An introduction to Ontario's remarkable plant diversity, with emphasis on the study of common flowering plant families. The course examines the natural history of plants in the Ontario flora, highlighting key concepts in plant evolution, ecology, and reproductive biology. Prerequisite: 7.5 university credits including at least 1.0 BIOL credit at the 2000-level, or permission of instructor. Excludes BIOL 319H.

BIOL – PSYC 3210H – Principles of the nervous system (see Psychology)**BIOL – PSYC 3220H – Neuropsychology (see Psychology)****BIOL 3250H – Microbiology**

An introductory course in microbiology with consideration given to the diversity of microscopic forms, their presence in various habitats and their impact on humanity. This course places heavy emphasis on laboratory work. Prerequisite: 7.5 university credits including BIOL 2070H (207H), or permission of instructor. Excludes BIOL 325H.

BIOL – CHEM 3300H – The essence of metabolism (see Chemistry)**BIOL – CHEM 3310H – Protein chemistry and enzymology (see Chemistry)****BIOL – FRSC 3330H – Forensic entomology**

Many insect species associated with the process of decay of corpses and their maggots have been used as an important tool for identifying both the timing and location of death. This course explores the relationship between insects and the decay of corpses. Prerequisite: 7.5 university credits including BIOL 1030H (103H), or permission of instructor. Excludes BIOL 397H – Special Topic: Forensic entomology.

BIOL 3340H – Herpetology

This course introduces the biology of amphibians and reptiles. It will include an overview of past and current diversity, the use of amphibians and reptiles as model organisms for biological research, the importance of these animals in ecological communities, and issues in conservation and management. Prerequisite: 7.5 university credits including at least 2.0 BIOL credits, or permission of instructor. Excludes BIOL 396H.

BIOL – PSYC 3360H – Behavioural ecology

An introduction to the ecological, physiological, and evolutionary mechanisms which influence the behaviour of animals, with particular emphasis on kin selection and co-evolution. Prerequisite: 7.5 university credits including BIOL – ERSC 2260H (226H) or 216H, BIOL 2600H (260H) and at least one additional 0.5 BIOL credit at the 2000-level, or permission of instructor. Excludes: BIOL – PSYC 336H.

BIOL – ERSC 3380H – Advanced ecology

This course will examine current theoretical and applied problems in ecology. Emphasis will be placed on developing problem-solving skills, critical evaluation of ecological studies, modeling, and an in-depth look at recent advances in theories and techniques used in solving problems in individual, population, community and ecosystem ecology. Prerequisite: 5.0 university credits including BIOL – ERSC 2260H (226H) or 216H or 217H, or permission of instructor. Excludes BIOL – ERSC 338H.

BIOL – ANTH – FRSC 3415Y – Human osteology and forensic anthropology (see Anthropology)**BIOL – ANTH 3440H – Human genetics (see Anthropology)****BIOL – ANTH 3460H – Biocultural explorations of human lifecourse (see Anthropology)****BIOL – ANTH 3470H – Primate behaviour (see Anthropology)****BIOL – ANTH 3490H – Primate evolution (see Anthropology)****BIOL 3500H – Biogeography**

Major patterns of distribution and abundance of animal and plant species as affected by geological, ecological and evolutionary processes. Prerequisite: 7.5 university credits including BIOL – ERSC 2260H (226H) or 216H or 217H, or permission of instructor. Excludes BIOL 250H and 350H.

BIOL 3550H – Pharmacology for health sciences

An in-depth examination of pharmacological principles and issues relevant to the practice of nursing. Commonly encountered drug classes, their mechanisms of action and examination of specific clinical scenarios support integration of theoretical knowledge into the practice setting. Prerequisite: A minimum of 60% in BIOL 2550H and NURS 2003H and a minimum of 60% in 1.0 credit from NURS 2000H and NURS 2020H or NURS 2001H and NURS 2021H, or permission of instructor. Open only to students enrolled in the B.Sc.N. program. Excludes BIOL 213H.

BIOL – NURS 3560H – Advanced pathophysiology and pharmacology (see Nursing)**BIOL – FRSC 3620H – Population genetics**

This course introduces students to microevolutionary processes through the study of sources of genetic variation, the genetic composition of populations, and forces that determine and change that composition. Examples and applications come from molecular ecology, and include conservation genetics, behavioural ecology, phylogeography, and wildlife forensics. Prerequisite: 7.5 university credits including BIOL – FRSC 2050H (205H), or permission of instructor. Excludes BIOL 362H.

BIOL 3830H – Animal physiology I

The processes of digestion, osmoregulation and excretion, circulatory systems and gaseous exchange, muscles, respiration, metabolism and their control are considered. The course uses a comparative approach first discussing the basic principles of the physiology of these processes and then examining the means whereby different organisms perform them. Prerequisite: 7.5 university credits including CHEM 1000H and 1010H (or 100) and BIOL 2070H (207H), or permission of instructor. Strongly recommended: CHEM 2300H (231H) and Animal Care Course ([p. 30](#)). Excludes BIOL 383H.

BIOL 3840H – Animal physiology II

Fundamental concepts in sensory, endocrine and reproductive physiology. Prerequisite: 7.5 university credits including CHEM 1000H and 1010H (or 100) and BIOL 2070H (207H), or permission of instructor. Excludes BIOL 384H.

BIOL 3850H, 3851H, 3852H, 3853H – Field courses

Spring and Summer courses are offered through the Ontario Universities Program in Field Biology.

BIOL 3890Y, 3891H – Community-based research project

Students are placed in research projects with community organizations in the Peterborough area. Each placement is supervised jointly by a faculty member and a representative of a community organization. For details see “Community-Based Education Program” ([p. 245](#)). Open to students who have earned at least 3.0 credits in Biology courses taught by members of the Trent Biology department, and who have achieved a cumulative average of at least 75%.

BIOL 3900Y, 3901H, 3902H, 3903H – Reading course

This course provides an opportunity for more intensive or broader study of a selected topic under the guidance of a faculty member. Open to students who have earned at least 3.0 credits in Biology courses taught by members of the Trent Biology department and have achieved a cumulative average of at least 75% in Biology courses completed. Application forms are available from the Biology Office. All University deadlines as specified in the University Calendar apply. These courses may not be taken in the same academic session as BIOL 4900Y, 4901H, 4902H and 4903H.

BIOL 4010Y, 4020D – Research thesis

BIOL 4020D is a double credit in Biology. BIOL 4010Y is a single credit because the same thesis is submitted to the other department/program in a joint-major or is submitted in conjunction with BIOL 4400Y. In this research course students will investigate a specific field of interest under the guidance of a faculty member. The Animal Care Course ([p. 30](#)) is a prerequisite, if applicable. Open to students who have earned at least 15.0 university credits, achieved a cumulative average of at least 75% in Biology courses, and obtained the agreement of a faculty member to supervise the project. (In some cases, it may be possible to take BIOL 4020D with a cumulative average of 70% in Biology courses if recommended by a faculty member willing to supervise it.) To be accepted into a joint-thesis course the student must meet the requirements of both programs.

BIOL – ERSC 4030H – Research design and data analysis

Practical instruction in design of research projects, with emphasis on appropriate statistical analyses through the use of statistical software; some instruction in appropriate presentation of results. Prerequisite: MATH 1050Y (150) or BIOL – GEOG – ERSC 2080H (208H) and a minimum of 10.0 university credits, or permission of instructor. Excludes BIOL 303H, GEOG 3030H (303H). Excludes BIOL – ERSC 403H.

BIOL – CHEM 4040D – Project course in biochemistry (see Chemistry)**BIOL – ERSC – GEOG 4060H – The geochemistry of natural waters (see Environmental & Resource Science/Studies)****BIOL – ERSC – GEOG 4070H – The fate of contaminants in the aquatic environment (see Environmental & Resource Science/Studies)****BIOL 4080H – Developmental biology**

An exploration of the cellular and molecular bases of embryonic development. Emphasis will be placed on how the intricate and diverse processes of embryogenesis are dependent on common mechanisms, including cell division, cell death, adhesion, migration, gene expression, and intra- and inter-cellular signaling. Prerequisite: 10.0 university credits including BIOL 2070H (207H), or permission of instructor. Excludes BIOL 408H.

BIOL 4110H – Infectious disease biology

An examination of current concepts of the biology, epidemiology and evolution of infectious diseases. Topics include emerging disease, the meaning of symptoms, effects of infectious disease on human evolution, Darwinian medicine, vaccines and virulence. Prerequisite: 10.0 university credits, or permission of instructor. Excludes 411H.

BIOL – ERSC 4120H – Environmental carcinogenesis (see Environmental & Resource Science/Studies)**BIOL 4140H – Ornithology**

An introduction to the study of birds. Course covers broad areas in ornithology including field identification, systematics, ecology, behaviour, anatomy, physiology, management and conservation. Field trip at cost to student. Prerequisite: 10.0 university credits including at least 2.0 credits in Biology at the 2000-level, or permission of instructor. Excludes BIOL 414H.

BIOL 4150H – Biology of marine mammals

This course will investigate the biology, ecology and evolutionary history of marine mammals (whales, dolphins, sirenians, and seals). Emphasis will also be placed on the use of scientific inquiry and critical thinking to evaluate marine mammal research methodology and conservation. Prerequisite: 10.0 university credits including BIOL – ERSC 2260H (226H), 216H or 217H, or permission of instructor. Excludes BIOL 415H.

BIOL 4160H – Immunology

An introduction to the immune system, including a discussion of the organs, cells and molecules that constitute, as well as regulate, the immune system. Health-related aspects of the immune system, such as immunodeficiency, tumour immunology and allergies will also be explored. Prerequisite: 10.0 university credits including BIOL 2070H (207H), or permission of instructor. Excludes BIOL 416H.

BIOL 4180H – Mammalogy

An exploration of the evolution, anatomy, ecology, behaviour, and management of terrestrial mammals. Labs will be devoted to field techniques and species identification, with emphasis on Canadian forms. Prerequisite: 10.0 university credits including BIOL 2110H (211H) and BIOL – ERSC 2260H (226H), 216H or 217H, or permission of instructor. Excludes BIOL 418H.

BIOL 4190H – Biology of physical activity

This course will examine the physiological and biochemical adaptations to acute and chronic exercise with specific emphasis placed upon the oxygen transport system. The effects of a variety of conditions including age, gender, environmental conditions and disease on these adaptations will also be considered. Prerequisite: 10.0 university credits including BIOL 1051H (105H) or 3830H (383H), or permission of instructor. Excludes BIOL 419H.

BIOL 4200H – Plant ecology

A study of the relationships of plants to one another and to their environment. Field work. Prerequisite: 10.0 university credits including BIOL – ERSC 2260H (226H), 216H or 217H, or permission of instructor. Strongly recommended: BIOL 3170H (317H) and 3180H (318H). Excludes BIOL 321H, 420H.

BIOL – ERSC 4240H – Fisheries assessment and management (see Environmental & Resource Science/Studies)**BIOL 4260H – Virology**

This course discusses current virology topics with a particular emphasis on the impact of viruses on society. The biology and biochemistry of animal viruses will be examined with analysis of selected topics including emerging viral diseases, viral gene therapy, viruses and immune system, viruses and cancer, and bioterrorism. Prerequisite: 10.0 university credits including BIOL 2070H (207H), or permission of instructor. Excludes BIOL 426H.

BIOL 4280H – Physiological ecology of plants

An examination of how plants physiologically acclimate, adapt or suffer in response to their environment. Prerequisite: 10.0 university credits including BIOL 1020H (102H), 219H or 3180H (318H) or permission of instructor. Background knowledge of plant anatomy, ecology and physiology will be assumed. Recommended: BIOL 206H or 3080H (308H), 2070H (207H). Excludes BIOL 328H, 428H.

BIOL – CHEM 4300H – Bioinorganic chemistry (see Chemistry)**BIOL – CHEM 4310H – Current topics in biochemistry (see Chemistry)****BIOL 4320H – Pharmacology**

An introduction to human pharmacology. This course is divided into two sections: pharmacokinetics and pharmacodynamics. Drugs to be studied include mainstream medications such as antibiotics, ethanol, and drugs used in the treatment of pain, high blood pressure, asthma, ulcers and depression, as well as a brief discussion of alternative medications. Prerequisite: 10.0 university credits including CHEM 1000H and 1010H (or 100), and BIOL 3830H (383H) or 3840H (384H), or permission of instructor. Excludes BIOL 432H.

BIOL – ERSC 4330H – Global change of aquatic ecosystems

This course will emphasize the causes and consequences of global environmental change and their interactions with ecological processes in freshwater ecosystems. Issues such as biodiversity, population growth and water use, global warming, land use, emergent diseases, dams, aquaculture, fisheries, water supply and sustainability will be discussed. Prerequisite: 10.0 university credits including MATH 1050Y (150), BIOL 2000H (200H) or BIOL – ERSC 2260H (226H) or 217H, or permission of instructor. Recommended: GEOG – BIOL – ERSC 2080H (208H). Excludes BIOL – ERSC 433H.

BIOL 4370H – Advanced microbiology

This course will examine the impact of microorganisms on scientific research, the environment, and human health and disease. Particularly emphasis will be placed on new or emerging areas of microbiology such as analysis of sequenced microbial genomes, phylogeny and evolution of eukaryotes and prokaryotes, and microbial ecology. Prerequisite: 10.0 university credits including BIOL 3250H (325H), or permission of instructor. Excludes BIOL 436H, 437H.

BIOL 4380H – Advanced molecular biology

An introduction to mechanisms controlling gene expression and applications of recombinant DNA technology to this field of study will be discussed. Topics will include the transcription initiation and post-transcriptional regulation, structure of transcription factors, and specific examples of genetic switches in both prokaryotes and eukaryotes. Discussion and analysis of journal articles on gene expression research will take place during the seminar portion of the course. Prerequisite: 10.0 university credits including BIOL 206H or 3080H (308H), or permission of instructor. Excludes BIOL 335H, 438H.

BIOL – ERSC 4390H – Conservation biology

A focus on the causes and consequences of reductions to biodiversity and the design of strategies to counterbalance these reductions. The course attempts to provide a balanced overview of the discipline outlining both biological and human oriented dimensions. Prerequisite: 10.0 university credits, or permission of instructor. Strongly recommended: BIOL – ERSC 2260H (226H), 216H or 217H. Excludes BIOL – ERSC 439H.

BIOL 4400Y – Internship in Conservation Biology

An apprenticeship at a collaborating agency working in biological conservation. Students will assist in a project pertaining to research and conservation of living things for the equivalent of approximately six hours per week. Evaluation is based on a written appraisal from the agency, as well as a written report and an oral presentation. Open to Honours students in Biology after the completion of at least 13.5 university credits with a cumulative average of 75%. BIOL 4400Y may be taken jointly with BIOL 4010Y where the project warrants, but the student may not receive credit for a

single-credit thesis in another department or program. Enrolment is limited and is competitive. Students must apply in the academic year before enrolment in the course. Applications can be obtained from the Biology office. Prerequisite: BIOL 3620H (362H); BIOL – ERSC 2260H (226H) or 216H or 217H, or permission of instructor. Co-requisite: BIOL – ERSC 4390H (439H). Excludes BIOL 440.

BIOL 4450Y – Internship in Health Sciences

Students must successfully complete BIOL 4450Y which consists of a placement in a medically related setting for the equivalent of six hours a week for 24 weeks. Students are required to write a report on their placement. BIOL 4450Y is open to students who have earned at least 13.5 university credits and achieved a cumulative average of at least 75%. Prerequisite: BIOL 2050H (205H), 3080H (308H), 2070H (207H) and either CHEM 1000H and 1010H or 100, or permission of instructor. Co-requisites: BIOL 3830H (383H) and 3840H (384H). Enrolment is limited and competitive. Students are eligible to apply in the year before anticipated enrolment in the course. Application forms can be obtained from the Biology office and must be submitted to the course coordinator before April 1. Students may not apply retroactively. Excludes BIOL 445.

BIOL 4500H – Population dynamics

Analysis of animal and plant population demography, including theoretical population ecology, population size and survival estimation, patterns and mechanisms in population growth and regulation, multispecies population dynamics, harvesting, and population projection models. Prerequisite: 10.0 university credits including BIOL 3380H (338H), or permission of instructor. Excludes BIOL 450H.

BIOL – FRSC 4510H – Species-at-risk biology and policy

This course examines the quantitative assessment of biological parameters impacting species and populations at risk under governmental species-at-risk legislation. Prerequisite: 10.0 university credits including BIOL – FRSC 2050H, or permission of instructor.

BIOL 4520H – Biology of invasions

This course examines the biology of invasions, animal and plant, focusing on the life history adaptations and dispersal strategies which contribute to their success at both the individual and population levels. Examples will be drawn from around the planet. Prerequisite: 10.0 university credits including BIOL – ERSC 2260H (226H) or 216H or 217H, or permission of instructor. Excludes BIOL 498H – Special Topic: Biology of invasions.

BIOL – FRSC 4570H – Biocrime and bioterrorism (Sc) (See Forensic Science)

BIOL – FRSC 4600H – Applied molecular genetics (see Forensic Science)

BIOL 4610H – Evolutionary ecology

All organisms are adapted to survive and reproduce in the environments of their parents and often have remarkable morphological, physiological, or behavioural features that allow them to do so. The major goal of this course is to explore how these features arise and how they are maintained in natural populations. Prerequisite: 10.0 university credits including BIOL 2600Y (260H) or 361H and BIOL – ERSC 2260H (226H) or 216H or 217H, or permission of instructor. Excludes BIOL 461H.

BIOL 4620H – Biotechnology, genetic engineering and public policy

This course covers a range of current and controversial biotechnology and genetic engineering topics in relation to public policy. Some of the in-class sessions involve debates in which students take different perspectives or role-play. Topics covered: human genetic engineering, somatic and germline gene therapy and genetically modified foods. Prerequisite: a minimum of 13.5 university credits, or permission of instructor. Excludes BIOL 462H.

BIOL – PSYC 4840H – Neuroendocrinology

Explores the interactions between the central nervous and endocrine systems, focusing on the hypothalamic-pituitary-adrenal axis. The course will examine the control of hormone release, including neurotransmitter modulation and steroid feedback during both homeostatic and stressor-induced states. Also, the interaction among stressors, behaviour, endocrine system and disease will be considered. Prerequisite: 10.0 university credits including BIOL 3840H (384H) or BIOL – PSYC 3210H (375H), or permission of instructor. Excludes BIOL – PSYC 484H.

BIOL 4900Y, 4901H, 4902H, 4903H – Reading course

Provides an opportunity for more intensive or broader study of a selected topic under the guidance of a faculty member. Open to students who have earned at least 5.0 BIOL credits and have achieved a cumulative average of at least 75% in Biology courses completed. Application forms are available from the Biology Office. These courses may not be taken in the same academic session as BIOL 3900Y, 3901H, 3902H and 3903H.

Business Administration

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Web: www.trentu.ca/businessadmin

Associate Professor and Director of the Program

A. Zohar, B.A., M.E.S., Ph.D. (York)

Associate Chair of the Department

To be named

Professors

J. Bishop, B.A. (New Brunswick), M.A., M.B.A. (McMaster), Ph.D. (Edinburgh); **K. Campbell**, B.A. (Trent), M.B.A. (Toronto); **B. M. Patterson**, M.A., M.L.S. (Western) (*on leave 2011-2012*)

Associate Professors

B. Ahlstrand, B.A. (Toronto), M.Sc. (L.S.E.), D.Phil. (Oxford); **K. Bates**, B.A. (Macalester College), Ph.D. (Minnesota); **R. Dart**, B.Sc. (Trent), M.E.S., Ph.D. (York); **A. El-Amir**, B.A. (American University, Cairo), M.Sc., Ph.D. (Stirling); **D. Newhouse**, (Onondaga), B.Sc., M.B.A. (Western); **M. Quaid**, B.A. (McGill), M.Sc. (L.S.E.), D.Phil. (Oxford) (*on leave Winter term*)

Assistant Professors

S. Simola, B.S.W., B.A. (McMaster), M.A. (Queen's), M.B.A. (Wilfrid Laurier), Ph.D. (Queen's); **M. Wallace**, B.A.S. (Guelph), C.A., M.Ed. (OISE/Toronto), Ph.D. (Saint Mary's) (*on leave Winter term*)

Lecturers

M. Konopaski, B.B.A., M.B.A. (Loyola); **J. Morales**, M.B.A. (Universidad Autónoma de Yucatán), M.I.B.A. (Nancy-Université, La Salle)

The Business Administration program at Trent University is a four-year Honours program leading to a Bachelor of Business Administration (B.B.A.) degree. The program enables students to develop an understanding of the nature of organizational life, to communicate more effectively, to learn the techniques of financial and management accounting, and to gain knowledge of managerial planning and strategy formation. In addition to core business subjects, the program emphasizes communication and creative problem-solving skills that are essential to future career success. A strong emphasis on group work provides an ideal environment in which to practice these skills. An essential feature of the program is its focus on the human side of organizations – to recognize and value the people who actually make organizations work. We encourage our students to develop a broad base of knowledge, an understanding of the larger social issues facing organizations, and the capacity for critical analysis.

Notes

- A minimum grade of 60% in each of ADMN 1000H (100H) and 1021H, and ECON 1010H (101H) and 1020H (102H) is required for the B.B.A. and the joint-major Honours B.A. or B.Sc. in Business Administration.
- A grade of 60% or higher is required in any course if it is to serve as a prerequisite for another course in the program.

BACHELOR OF BUSINESS ADMINISTRATION PROGRAM

- See p. 28 for requirements which apply to all undergraduate degree programs.
- The Business Administration program offers an Honours B.B.A. degree and a joint-major Honours B.A. or B.Sc. degree. There is no General degree.
- The same course may not simultaneously satisfy the requirements of both programs in a joint-major degree.
- To remain in the program, students must maintain a cumulative average of 70% in all Business Administration courses completed. Students who are unable to maintain a 70% average should select from the following options. They may switch to a joint-major program with Business Administration, transfer to a B.A. or B.Sc. program in another discipline and make up any degree requirements for a major, or retake business courses (subject to Trent University's policy for retaking courses) until they achieve the required average.
- Students entering the program are strongly encouraged to have completed a secondary school senior level mathematics course in good standing.
- Students transferring into the program from another university or community college will have their transcript assessed by the Office of the Registrar for course credit transfer. Students transferring into the program from another department or program should consult with the Director of the program to review their course of study.

- Students who have completed 14.0 credits are encouraged to review their course selection to ensure that all program requirements are met.
- For the Specialization in Human Resource Management, see below.
- For the Specialization in Indigenous Management & Economic Development, see [p. 164](#).

The B.B.A. Honours program. 20.0 credits including the following 11.5 credits:

- 8.5 ADMN credits including ADMN 1000H (100H), 1021H and 2021H (or 102), 2010H (or 101H), 2100H (210H or 310H), 2220H (222H), 2510H (251H), 3021H (or 202H), 3200H (320H), 3300H (330H), 3400H, 4000Y (400), 4100Y (410), ADMN – ECON 2200H (220H) and 2250H (225H)
- 2.0 ADMN credits in addition to the above at the 3000- or 4000-level
- 1.0 ECON credit consisting of ECON 1010H (101H) and 1020H (102H)

The joint-major Honours program. 20.0 credits including the following 8.0 credits:

- 5.5 ADMN credits consisting of ADMN 1000H (100H), 1021H and 2021H (or 102), 2010H (or 101H), 2100H (210H or 310H), 2220H (222H), 2510H (251H), 3021H (or 202H), 3300H (330H), 4000Y (400)
- 1.5 ADMN credits in addition to the above, at the 3000- or 4000-level
- 1.0 ECON credit consisting of ECON 1010H (101H) and 1020H (102H)

Minor in Business Administration

- Students who have fulfilled the requirements for a single-major or joint-major Honours degree in another subject may apply to the Office of the Registrar for a minor in Business Administration if they have successfully completed the courses listed below.

The minor in Business Administration consists of the following 5.0 credits:

- 2.5 ADMN credits consisting of ADMN 1000H (100H), 1021H and 2021H (102), 2010H (101H), and 2510H (251H)
- 1.5 ADMN credits in addition to the above, at the 3000- or 4000-level
- 1.0 ADMN credit in addition to the above

SPECIALIZATION IN HUMAN RESOURCE MANAGEMENT

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Program Coordinator

S. Simola, B.S.W., B.A. (McMaster), M.A. (Queen's), M.B.A. (Wilfrid Laurier), Ph.D. (Queen's)

The Specialization in Human Resource Management (involving 5.5 credits) is available to students in the B.B.A. program and the joint-major Honours B.A. and B.Sc. programs in Business Administration.

The transcripts of students graduating with an Honours degree who have successfully completed the requirements of the Specialization will contain the notation "with a Specialization in Human Resource Management."

Upon successful completion of the courses associated with the Specialization, students will have satisfied all of the course requirements for the "Certified Human Resources Professional Designation"™ and be eligible to write the National Knowledge Exam™. By HRP standards, students must achieve a cumulative average of 70% in all courses, with no individual course mark less than 65%. In order to take the exam, a student must be an enrolled member of the Human Resources Professionals Association of Ontario, which involves a monetary fee to the Association.

The "Certified Human Resources Professional Designation"™ is the only legislated certification for Human Resources Professionals in North America. Currently, the HRP requires the completion of nine subject areas, which are all offered at Trent. CHRP, NKE and NPPA are trademarks of HRP and used under license. Licensing does not equate to program review, approval, or endorsement.

Specialization Requirements include the following 5.5 credits:

- 5.0 ADMN credits consisting of ADMN 1021H and 2021H (or 102), 2220H (222H), 2230H (223H), 3021H (or 202H), 3220H (322H), 3230H (323H), 3260H (326H), 3270H (327H), 3280H (328H)
- 0.5 ECON credit consisting of ECON 3500H

SPECIALIZATION IN INDIGENOUS MANAGEMENT & ECONOMIC DEVELOPMENT

See Indigenous Studies ([p. 164](#)).

Please consult the academic timetable, available through myTrent, for information on courses that will be offered in 2011–2012 including when they will be scheduled.

ADMN 1000H – Contemporary issues in management and organization

This course provides a macro framework and context for the management discipline by examining a wide selection of issues which affect both the practice and the conceptualization of management and organization. Issues studied include globalization, information technology, demographics, diversity, sustainability and recent developments in management theory. Excludes ADMN 100H.

ADMN 1021H – Financial accounting I

This is an introduction to the theory of financial accounting and the preparation of financial statements, the theoretical framework of accrual accounting and the Generally Accepted Accounting Principles (GAAP), including double-entry accounting and the accounting cycle. Professional ethics, behaviour and corporate social responsibility are integrated into the context of control and accountability. Excludes ADMN 102.

ADMN – INDG 1500H – Foundations of Indigenous community development (see Indigenous Studies)

ADMN – INDG 1510H – Foundations of Indigenous community economic development (see Indigenous Studies)

ADMN – COIS 1620H – Introduction to information systems (see Computing & Information Systems)

ADMN 2010H – Management skills

This course examines the theory and practice of foundational skills important to management and organization in private, nonprofit, and public sectors. It focuses on conceptual skills, communication skills, and interpersonal skills. Prerequisite: 60% or higher in ADMN 1000H (100H) and 1021H (or 102). Excludes ADMN 101H.

ADMN 2021H – Financial accounting II

This course builds on Financial Accounting I, focusing on the limitations, controversies, problems, and shortcomings with accounting and accounting information. Students will analyze financial statements and critically evaluate financial reports. Professional ethics, behaviour and corporate social responsibility are integrated into the context of control and accountability. Prerequisite: 60% or higher in each of ADMN 1000H (100H) and 1021H (or 102). Excludes ADMN 102.

ADMN 2080H – Managerial and market research

This course will focus on primary research and its use in problem solving and decision making. The course will cover qualitative and quantitative research design, planning, implementation, and analysis. Research methods studied will include surveys, focus groups, analytical interviews, ethnography, and action research. Prerequisite: ADMN 1000H (100H). Excludes ADMN 208H, 308H.

ADMN 2100H – Introduction to marketing

This course aims to give students a basic understanding of marketing and its core concepts: how a marketing approach can be implemented and managed in a range of markets, situations, and organizations. Prerequisite: ADMN 1000H (100H) or permission of instructor. Excludes ADMN 210H, 310H.

ADMN – ECON 2200H – Introduction to statistics for economics and management (see Economics)

ADMN 2220H – Organizational behaviour

A conceptual and methodological analysis of the way individuals react to their employment environment. Topics include motivation, job satisfaction, leadership, group dynamics, and decision-making. Prerequisite: ADMN 1000H (100H) or permission of instructor. Excludes ADMN 222H.

ADMN 2230H – Human resource management

A survey of the concepts and practices in the major functions of human resource management is covered in this course. Topics include human resource forecasting, human rights, recruitment and selection, training and development, collective bargaining, performance appraisal, and compensation. Prerequisite: ADMN 2220H (222H) or permission of the instructor. Excludes ADMN 223H.

ADMN – ECON 2250H – Introduction to mathematics for economics and management (see Economics)

ADMN 2510H – Organization theory

This course is an introduction to organization theory and an examination of specific organizations. Structure, process, environment, and other aspects of organizations are approached through different frames, images, and perspective analysis. Prerequisite: ADMN 1000H (100H) or permission of the instructor. Excludes ADMN 251H.

ADMN – COIS 2620H – Systems analysis and design (see Computing & Information Systems)

ADMN 3021H – Fundamentals of managerial accounting

This is an introduction to the basic concepts and procedures used in the collection and manipulation of accounting data for on-going management decision-making. Topics include: manufacturing accounting; cost accounting and variance analysis; cost allocation; cost-volume-profit analysis; introduction to budgeting. Prerequisite: ADMN 2021H. Excludes ADMN 202H.

ADMN – INDG 3040H – The meaning of work in the contemporary world

This course examines historical and contemporary ideas of work and the possibilities for individuals in that world. Indigenous and non-Indigenous perspectives and research are considered, including the evolving roles of men and women. A model is used to assist students in examining themselves in relation to the world of work. Prerequisite: 5.0 university credits. Excludes INDG – ADMN 3959H.

ADMN – CAST – HIST 3080Y/3081H – Business history: The Canadian experience in international perspective (see History)**ADMN 3150H – Advertising**

Students will learn the way advertisements work, the many techniques used in advertising, and the impact of advertisements on the individual and society. The power of image and identity ads is emphasized. Prerequisite: ADMN 2100H (210H) or 310H. Excludes ADMN 315H.

ADMN 3160H – Branding

This course introduces the concept of branding and reviews the theoretical approaches guiding the management of the branding process. Students will learn, through tales of best practice, the tools to create and sustain brands via integrating strategic marketing with marketing communications. Prerequisite: ADMN 2100H (210H) or 310H. Strongly recommended: ADMN 3150H (315H). Excludes ADMN 316H.

ADMN 3170H – Introduction to retail marketing

This course will introduce students to retailing and provide an understanding of the types of businesses, strategies, operations, formats, and environments through which retailing is carried out. Prerequisite: ADMN 2100H (210H) or 310H. Excludes ADMN 317H.

ADMN 3200H – Financial management

A survey of the fundamental concepts of corporate finance is covered including: the tax environment, financial planning and control, working capital management, capital budgeting, the market for long-term securities, debt and preferred shares, valuation and rates of return, and the cost of capital. These concepts will be applied to particular cases. Prerequisite: ADMN 2021H or 102, 2010H (101H). Excludes ADMN 320H.

ADMN 3220H – Organizational selection in the Canadian workplace

This course is designed to help students understand the matching process that takes place between individuals and organizations. It seeks to understand the principles, issues, trends, and legislative requirements affecting the recruitment and selection process. Prerequisite: ADMN 2220H (222H) and 2230H (223H). Excludes ADMN 322H.

ADMN 3230H – Leadership, training and development: A cross-cultural approach

This is an interdisciplinary course which deals with training and development from a cross-cultural perspective. Particular attention is given to theory and results of relevant comparative and organizational research. Coaching, leadership, and workplace diversity are important components of this course. Prerequisite: ADMN 2220H (222H) and 2230H (223H). Excludes ADMN 323H.

ADMN 3250H – The legal environment of business

The course addresses the legal limits in which business operates and the laws with which business decisions must comply. It utilizes actual case decisions and engages in examination of public and private law, contemporary issues in terms of human rights, the Charter, administrative law, and employment issues in relation to the operation of a business. Prerequisite: ADMN 1000H (100H) and 2010H (101H) or permission of the instructor. Excludes ADMN 325H.

ADMN 3260H – Perspectives on occupational health and safety

This course will focus on the legislative, technical, political, and social issues associated with the effective management of occupational health and safety concerns in contemporary Canadian organizations. Prerequisite: ADMN 2220H (222H) and 2230H (223H) or permission of the instructor. Excludes ADMN 326H.

ADMN 3270H – Human resource planning

This course provides an understanding of the essential elements of the human resource planning process in organizations. Students will acquire knowledge in analyzing and programming for human resource requirements in the challenging environment of technological change, corporate repositions, rightsizing, cost containment, and pro-structuring improvements. Prerequisite: ADMN 2220H (222H) and 2230H (223H). Excludes ADMN 327H.

ADMN 3280H – Motivation and compensation systems

The purpose of this course is to provide the student with an understanding of the process, issues and techniques involved in developing and administering compensation programs. Students will

gain knowledge of the theoretical and applied aspects of the compensation function, the linkage between the compensation function and the overall management process. Prerequisite: ADMN 2220H (222H) and 2230H (223H). Excludes ADMN 328H.

ADMN 3300H – Personal ethics in organizations and business

This course is an introduction to personal ethics in business and organizations. Major theories of ethics will be applied to case studies. Students will learn to identify ethical issues, to reflect on their own values, and to support their ideas with rational discussion. Prerequisite: 9.0 university credits, at least 3.0 of which must be ADMN credits including ADMN 2010H (101H). Excludes ADMN 330H.

ADMN – ECON – IDST 3310H – The economics of developing countries (Sc) (see Economics)

ADMN – SOCI 3320H – Social organizations (see Sociology)

ADMN – ECON – IDST 3330H – The economics of global inter-dependence (Sc) (see Economics)

ADMN – SOCI 3340H – Sociology of work (see Sociology)

ADMN 3400H – Markets, governments and organizations

This course provides the theoretical framework for critically evaluating the way societies control organizations through government regulation, through the governance of the organization, and by creating the institutions that enable markets to function. Only open to B.B.A. students. Prerequisite: ADMN 2021H (or 102) and 2510H (251H); 70% average on all ADMN courses completed or permission of instructor.

ADMN 3410H – Communications in organizations

This course covers verbal and non-verbal communication, social cognition, self-perception/concept, conflict theory, and their relevance to life in groups and organizations. Prerequisite: ADMN 1000H (100H) and 2010H (101H) or permission of the instructor. Excludes ADMN 341H.

ADMN 3420H – Entrepreneurship

This course focuses on issues and questions of entrepreneurship and entrepreneurs, covering issues ranging from the creation and development of business ideas and models to sociological, psychological, and economic considerations of the origin and function of entrepreneurs in business as well as nonprofit and community settings. Prerequisite: ADMN 2510H (251H) or permission of the instructor. Excludes ADMN 342H.

ADMN 3430H – New venture planning and design

This course is a hands-on exercise in business planning, business design, and business management with a focus on start-up and small business contexts. Primary course work will be undertaken in the development of a feasible business plan, including structural, financial, marketing and human resource considerations. Prerequisite: ADMN 2021H or 102. Excludes ADMN 343H.

ADMN 3440H – Introduction to the third sector – nonprofit and non-governmental organizations

This course introduces the “third sector” – organizations variously characterized as nonprofit, NGO, social enterprise and civil society. Special focus will be on organizations in health, social development, environment, and international development domains. Prerequisite: ADMN 2010H (101H) and 2021H (or 102) or permission of the instructor. Prerequisite: 10.0 university credits. Excludes 344H.

ADMN 3550H – Operations management, concepts and cases

This course is concerned with the way organizations transform inputs into outputs, taking a systems approach to organizations. Students will learn to recognize and analyze operations of both service and manufacturing organizations, addressing the design of both types of organizations and the management of quality, inventory, and supply change issues. Prerequisite: ADMN 2021H or 102, 2510H (251H) and ADMN – ECON 2200H (220H) or permission of instructor. Excludes ADMN 355H.

ADMN 3600H – International business

Many organizations, even small ones, have become multinational. This course addresses the way firms enter new markets for producing or marketing from a strategic and societal perspective. Topics include exporting strategies, trade barriers, local markets, virtual entry strategies, strategic alliances, contract manufacturers, market-oriented alliances, joint ventures, cross-border acquisitions, and wholly-owned subsidiaries. Prerequisite: ADMN 2010H (101H), 2510H (251H) and ECON 3110H (311H). Excludes ADMN 398H.

ADMN 3700H – Investments

This course offers an introduction to the fundamental principles and concepts of financial markets and instruments available in Canada. The course emphasizes understanding the investment background; developments in investment theory; valuation principles and practices, and ethical investments. Prerequisite: ADMN 2021H or 102, 3021H (or 202H) and 3200H (320H). Excludes ADMN 396H.

ADMN 3710H – Taxation

This course provides an opportunity for more intensive or broader study of the fundamental principles, concepts, and application of Canadian Federal income tax legislation. The course emphasizes

understanding of the conceptual structure of the Income Tax Act and the application of its rules to practical cases. Prerequisite: ADMN 2021H or 102 and 3021H (or 202H). Excludes ADMN 397H.

ADMN – COIS 3750H – Online business principles (see Computing & Information Systems)

ADMN – COIS 3850H – Fundamentals of project management (see Computing & Information Systems)

ADMN 4000Y – Strategic management

The course focuses on the definition and analysis of strategic problems faced by business and government organizations in adapting to changes in their internal and external environments. Students will be expected to draw broadly on knowledge and skills developed over their first three years. Prerequisite: 13.0 credits of which 5.0 must be ADMN credits, including 2100H (210H or 310H) and ADMN 3300H (330H) or permission of instructor. Excludes ADMN 400.

ADMN 4100Y– Management thought

The course is an exploration of the intersection and interconnectedness of management theory, personal values, attitudes and beliefs and managerial action. This guided exploration in this often invisible landscape is undertaken using a variety of material: classical and contemporary writings on management, art, literature, and film. Open only to B.B.A. students. Prerequisite: 13.0 credits of which 5.0 must be ADMN credits, including 2100H (210H or 310H) and ADMN 3300H (330H); 70% average on all ADMN courses completed or permission of instructor. Excludes ADMN 410.

ADMN – PHIL 4200Y – Business ethics

This course examines the ethical issues encountered in business, corporations, and other organizations, and the ethical issues raised by contemporary capitalism. The purpose of the course is to encourage identification and careful reflection on moral problems. Prerequisite: 13.0 university credits, of which 5.0 must be ADMN credits, including ADMN 2100H (210H) or 310H and 3300H (330H) or both PHIL 1005Y (105) and 2300Y (230); or permission of instructor; or standing in the Philosophy Honours or General degree with an Emphasis in Applied Ethics. Excludes ADMN – PHIL 420.

ADMN 4450H – Perspectives and practices for organizational sustainability

This course introduces students to the “triple bottom line” approach by defining sustainability in organizations as balanced progress towards economic performance, social justice, and environmental quality. The course examines approaches and methods of the sustainability paradigm and the way they are used in various areas. Prerequisite: 13.0 university credits, of which 5.0 must be ADMN credits, including ADMN 2100H (210H) or 310H, 2510H (251H) and 3300H (330H) or permission of the instructor. Excludes ADMN 445H.

ADMN – INDG 4500H – Indigenous perspectives on 21st-century business and organizational issues (see Indigenous Studies)

ADMN 4600H – International human resource management

This course covers international aspects of HRM including cross-cultural and comparative management. The objective is to help students learn to plan, implement, and evaluate IHRM programs that will be effective for organizations operating abroad. Topics covered include globalization and culture, IHRM roles, international assignments, sustainable multinational strategies, and cross-cultural management. Prerequisite: 13.0 university credits consisting of at least 5.0 ADMN credits including ADMN 2100H (210H) or 310H, 2230H (223H) and 3300H (330H) or permission of instructor. Excludes ADMN 496H.

ADMN 4650Y – Family business

In an intensive seminar format, the course examines the current literature on family business, with specific attention to problem identification and theory development. Research methodologies appropriate to qualitative field work are reviewed to support individual and team-based field work. Prerequisite: 13.0 university credits, of which 5.0 must be ADMN credits, including ADMN 2100H (210H) or 310H and 3300H (330H) or permission of instructor. Excludes ADMN 465.

ADMN 4820Y, 4830H – Community-based research project

For this course, students are placed in research projects with community organizations in the Peterborough area. Each placement is supervised jointly by a faculty member and a representative of a community organization. For details, see “Community-Based Education Program” ([p. 245](http://p.245) or www.trentu.ca/tccbe). Prerequisite: 10.0 university credits; 75% cumulative average and approval of Director of the Program.

ADMN 4900Y, 4901H, 4902H, 4903H – Reading course

This course provides an opportunity for more intensive or broader study of a selected topic under the guidance of a faculty member. Open only to single- and joint-majors in the Business Administration program. Prerequisite: 13.0 university credits, of which 5.0 must be ADMN credits, including 2100H (210H) or 310H and 3300H (330H) and permission of instructor and director of program at the time of early registration.

Canadian Studies

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Chair of the Department

To be named

Professor and Canada Research Chair

B. D. Palmer, M.A., Ph.D. (SUNY, Binghamton), F.R.S.C.

Founding President and Vanier Professor Emeritus

T. H. B. Symons, O.C., B.A. (Toronto), M.A. (Oxford), LL.D. (Concordia, Dalhousie, Laurentian, Manitoba, Mount Allison, New Brunswick, Prince Edward Island, Trent, Wilfrid Laurier, York), D.U. (Ottawa), D.Litt. (Colombo), Diplôme d'Études collégiales (Dawson), F.R.S.C.

Professors

J. S. Milloy, B.A. (St. Patrick's), M.A. (Carleton), D.Phil. (Oxford); **J. E. Struthers**, M.A. (Carleton), Ph.D. (Toronto)

Associate Professors

D. Bhandar, M.A., Ph.D. (York); **S. Chivers**, B.A. (Calgary), Ph.D. (McGill); **M. Lacombe**, B.A. (McGill), M.A., Ph.D. (York)

Assistant Professor

J. Greene, B.A. (Manitoba), M.A. (Wilfrid Laurier), Ph.D. (Queens)

Adjunct Faculty

S. D. Grant, M.A. (Trent); **S. G. D. Smith**, B.A. (McGill), M.A., B.Litt. (Oxford), D.Litt. (Trent)

Associated Faculty

Anthropology: **J. Harrison**, **A. Keenleyside**, **M. Munson**, **S. M. Jamieson**. *Cultural Studies*: **J. Bordo**, **D. Torgerson**. *Economics*: **B. Lew**, **J. Muldoon**. *English Literature*: **Z. H. Pollock**, **M. Steffler**. *Environmental & Resource Science/Studies*: **S. Bocking**, **S. Hill**, **T. Whillans**. *Geography*: **S. Wurtele**. *History*: **D. Anastakis**, **C. Dummitt**, **J. Miron**, **J. Sangster**, **K. Walden**, **R. A. Wright**. *Political Studies*: **N. Changfoot**. *Sociology*: **G. Balfour**, **D. Clarke**, **J. Conley**, **B. L. Marshall**, **D. White**. *Gender & Women's Studies*: **M. Hobbs**

Professor Emeriti

J. H. Wadland, M.A. (Waterloo), Ph.D. (York); **A. Wilson**, M.A. (Dalhousie), Ph.D. (Toronto)

Canadian Studies fosters a greater understanding of the diverse and often contested meanings of the Canadian experience and Canadian citizenship through a critical interdisciplinary examination of themes such as sovereignty, nationalism, indigeneity, regionalism, multiculturalism, immigration, labour, and peacekeeping, as well as by exploring representations of Canada in film, art, and literature.

Notes

- For the Diploma program in Canadian Studies, see below.
- Students who have fulfilled the requirements for a single-major Honours degree in another subject may apply to the Office of the Registrar for a minor in Canadian Studies, if they have met the requirements for the joint-major General degree (see below).

BACHELOR OF ARTS PROGRAM IN CANADIAN STUDIES

- See [p. 28](#) for requirements which apply to all undergraduate degree programs.
- The same course may not simultaneously satisfy the requirements of both programs in a joint-major degree.
- At least one Indigenous Studies credit is included in degree requirements for the B.A. program in Canadian Studies. If cross-listed with Canadian Studies it may also count as one of the credits in Canadian Studies required for the degree. As of 2004–2005, CAST – ERST – GEOG – INDG 2040Y (204) may not be counted for this purpose.
- The program brochure (available at our website) provides detailed information on course options, scholarships and prizes, reading course requirements and graduate studies.

The single-major Honours program. 20.0 credits including the following 10.0 credits:

- 2.0 CAST credits consisting of CAST 1000Y (100) and CAST – POST – SOCI 3000Y (300)
- 1.0 CAST credit from CAST – WMST 2000Y (200) (or ENGL 3550Y) or CAST – ERST – GEOG – INDG 2040Y (204)
- 1.0 CAST credit from CAST – HIST 3020Y (302) or CAST – ENGL 3520Y (352)
- 5.0 CAST credits in addition to the above, at least 3.0 at the 4000-level
- 1.0 INDG credit

The joint-major Honours program. 20.0 credits including the following 8.0 credits:

- 2.0 CAST credits consisting of CAST 1000Y (100) and CAST – POST – SOCI 3000Y (300)
- 1.0 CAST credit from CAST – WMST 2000Y (200) (or ENGL 3550Y) or CAST – ERST – GEOG – INDG 2040Y (204)
- 1.0 CAST credit from CAST – HIST 3020Y (302) or CAST – ENGL 3520Y (352)
- 3.0 CAST credits in addition to the above, at least 2.0 at the 4000-level
- 1.0 INDG credit

The single-major General program. 15.0 credits including the following 7.0 credits:

- 2.0 CAST credits consisting of CAST 1000Y (100) and CAST – POST – SOCI 3000Y (300)
- 1.0 CAST credit from CAST – WMST 2000Y (200) (or ENGL 3550Y) or CAST – ERST – GEOG – INDG 2040Y (204)
- 1.0 CAST credit from CAST – HIST 3020Y (302) or CAST – ENGL 3520Y (352)
- 2.0 CAST credits in addition to the above
- 1.0 INDG credit

The joint-major General program. 15.0 credits including the following 6.0 credits:

- 1.0 CAST credit consisting of CAST 1000Y (100)
- 1.0 CAST credit from CAST – WMST 2000Y (200) (or ENGL 3550Y) or CAST – ERST – GEOG – INDG 2040Y (204) or CAST – POST – SOCI 3000Y (300)
- 1.0 CAST credit from CAST – HIST 3020Y (302) or CAST – ENGL 3520Y (352)
- 2.0 CAST credits in addition to the above
- 1.0 INDG credit

The minor in CAST consists of the following 6.0 credits:

- 1.0 CAST credit consisting of CAST 1000Y (100)
- 1.0 CAST credit from CAST – WMST 2000Y (200) (or ENGL 3550Y) or CAST – ERST – GEOG – INDG 2040Y (204) or CAST – POST – SOCI 3000Y (300)
- 1.0 CAST credit from CAST – HIST 3020Y (302) or CAST – ENGL 3520Y (352)
- 2.0 CAST credits in addition to the above
- 1.0 INDG credit

DIPLOMA IN CANADIAN STUDIES

The Canadian Studies program offers a Diploma for students who wish to undertake a single academic year (September – April) focused directly upon Canadian political economy, society, environment and culture. Students wishing to enrol in the Diploma program must apply, in writing, to the chair of the program, indicating course preferences. As the number of spaces is limited, acceptance is not automatic. The chair or designate selects the successful candidates in consultation with the Admissions Committee.

Eligibility

Applicants must either be students registered in, or graduates of, an accredited post-secondary educational institution normally other than Trent University. An official transcript, including evidence of the content of courses completed and grades received, must accompany the application.

Language requirements

In accordance with University regulations, applicants must have a competence in written and spoken English. Facility in the French language is desirable but not compulsory.

Special events

All students admitted to the Diploma program attend field trips, films, special lectures and conferences as part of their curricular activity.

Visas, fees and accommodation

International students admitted to the Diploma program are expected to make their own arrangements for visas, financing and accommodation during the year at Trent. Nevertheless, every effort will be made to assist in this process.

The Diploma

The Diploma is awarded in the Spring. With it is included a Trent University transcript identifying all courses undertaken and grades received. Upon successful completion of the Diploma, students may apply for admission to the B.A. program in Canadian Studies. Credits earned in the Diploma program are transferable to the B.A. degree.

Courses

- The Diploma program consists of 4.0 credits including CAST 1000Y (100) and 1.0 credit from each of the categories below.
- Students must obtain a 60% or better in each of the courses in the program to qualify for the Diploma.
- For students taking a fifth credit, INDG 1000Y is recommended.

A		B		C	
Studies in the Social Sciences		Studies in Regionalism and the Environment		Studies in Culture	
1020Y (102)	3870H (387H)	2040Y (204)	3330H (333H)	2000Y (200)	3520Y (352)
2010Y (201)	3670Y	2215H (221H)	3340H	2285H (228H)	3830Y
2110H (211H)	3710H (371H)	2225H (222H)	3370H (337H)	2360Y/2361H (235)	4030Y (403)
2245H	3880H (388H)	2320Y (232)	3480Y	2500Y	4040Y
2255Y (255)	3962H	2330Y (230)	3640H (364H)	2530Y (253)	4060Y
2560Y	4000Y (400)	2520H (250)	3720H (372H)	2540Y (254)	4200Y (420)
2610H (261H)	4050H	2525H	3757Y/3758H	2755H (275H)	4210Y
2700Y (270)	4055H	2745H (274H)	3760H (376H)	3010Y/3011H	4230Y
2710H (271H)	4080Y	3020Y (302)	3780H (378H)	3056Y (356)	4290Y
3000Y (300)	4240Y (424)	3050H (305H)	3800H (380H)	3060Y	4350Y (435)
3040Y (304)	4250Y (425)	3100Y (310)	4070Y (407)	3071H	4450Y (445)
3080Y/3081H (308)	4430Y/4431H (443)	3140Y/3141H (315)	4151Y	3072H	4550Y/4551H (455)
3090Y (309)	4440Y/4441H (440)	3240Y (324)	4670H (467H)	3160Y (316)	4662Y (466)
3210H	4505H (450H)	3260H (326H)		3230Y	4750Y (475)
3220H (322H)	4555H			3480Y	4780Y
3335H	4600H (460H)			3501H	4959H
3620H (362H)	4760Y (476)			3503H	4970Y
3665H (366H)	4770Y (477)			3505H	
3730H (373H)				3506Y/3507H (266, 2660Y)	
3840H (384H)					
3860H					

Please consult the academic timetable, available through myTrent, for information on courses that will be offered in 2011–2012 including when they will be scheduled.

CAST 1000Y – Producing Canada

This course will provide interdisciplinary approaches to the social, political, economic and cultural production of Canada. Themes will include nationalism, immigration, citizenship, globalization, labour, film, art and literary productions of Canada. These topics will allow us to understand, through the concept of production, how ideas of Canada are made material. Excludes CAST 100.

CAST – HIST 1020Y – Modern Canada: Nation and citizenship (see History)

CAST – WMST 2000Y – Documenting Canada

This course explores attempts to document “real” aspects of Canadian life in order to question how we think we know about Canada. We will discuss the genres of documentary film, poetry, and prose, the questions of power they raise, and the forms of creativity they generate. Prerequisite: 3.0 university credits or permission of instructor. Excludes CAST – WMST 200, ENGL 3550Y.

CAST – POST 2010Y– Canadian politics (see Political Studies)

CAST – ERST – GEOG – INDG 2040Y – Canada: The land

An interdisciplinary enquiry into the function and idea of the land in Canadian traditions. Themes include Aboriginal rights, settlement, sources of land law, post-colonialism, regionalism, urban/rural conflict over natural resource extraction and waste disposal, sustainability, environmental racism, energy, climate change, and representations of land and landscape in literature and the visual arts. Prerequisite: 3.0 university credits or permission of instructor. Excludes CAST – ERST – GEOG – INDG 204.

CAST – WMST 2110H – The history of feminism in Canada (see Gender & Women’s Studies)

CAST – HIST – POST 2215H – “Empire Ontario” 1867–1945

Ontario as a political, economic and cultural region. Provincial political culture and state formation; writers and artists; farms, factories and cities; education policy; First Nations; the provincial north; Ontario in the Great Depression; Ontario and Canada. Prerequisite: 3.0 university credits or permission of instructor. Excludes CAST – HIST – POST 221H.

CAST – HIST – POST 2225H – Ontario since 1945: From the “common good” to “common sense”

Transformations in Ontario politics, culture, social and economic life from the Second World War to the present. Themes include immigration, human rights, Toronto’s growth, the Ontario north, economic restructuring from the Autopact to NAFTA, health, education, and social policy, and the impact of the common sense revolution. Prerequisite: 3.0 university credits or permission of instructor. Excludes CAST – HIST 221, CAST – HIST – POST 221H, 222H.

CAST – GEOG – POST – WMST 2245H – Social and political economy of contemporary Canadian immigration

Introduces students to the shift in immigration policy and experience of immigrant resettlement in the most diversified period of Canadian immigration. Canada is known worldwide as an immigrant-receiving nation; using gender, class and race analysis we examine the contemporary context for Canada’s policy of immigration and the political and economic consequences of immigration in Canada. Prerequisite: 3.0 university credits or permission of instructor.

CAST – HIST – INDG 2255Y – History of the Indians of Canada

A study of Indigenous involvement in the fur trade and imperial politics of the 18th century, the development of European “civilizing” policies and the growth and ideology of the modern Indigenous political movement. Prerequisite: 3.0 university credits, including one CAST or HIST or INDG credit at the 1000-level with a minimum of 60%, or permission of instructor. Excludes CAST – HIST – INDG 255.

CAST – HIST – POST 2285H – Canada in the 1960s: Irony and identity

The course explores the 1960s, a decade of shifting meanings of “Canadian.” The accent is on the ironies of Canadian identity. Topics include fiscal policy; youth cultures; the women’s movement; racial identity and the Chuvato-Ali fight; sex scandals and politics; working-class revolt; upheavals in Quebec; and the challenge of aboriginal rights. Prerequisite: 3.0 university credits or permission of instructor. Excludes CAST – HIST – POST 228H.

CAST – CUST – INDG 2300Y – Introduction to key concepts and issues in post-colonial theory (see Indigenous Studies)

CAST – HIST – INDG 2305Y – Colonial encounters (see Indigenous Studies)

CAST – HIST 2320Y – The history of education in the 19th and 20th centuries (see History)

CAST – HIST 2330Y – The making of Canada, 1760–1873 (see History)

CAST – HIST 2350Y – Canadian history, 1873–present (see History)

CAST – HIST 2360Y/2361H – Canadian history through murder, execution, assassination and suicide from Confederation to the War on Terror (see History)

CAST – ERST 2520H – Natural resource management: Theory and comparative cases (see Environmental & Resource Science/Studies)

CAST – ERST 2525H – Critical environmental thinking: Political economy and policy process (see Environmental & Resource Science/Studies)

CAST – ANTH – INDG 2530Y – Aboriginal art of North America (see Anthropology)

CAST – HIST 2540Y – Canada in the age of consumption (see History)

CAST – HIST – INDG 2560Y – First Nations and Metis of Western Canada (see Indigenous Studies)

CAST – ECON 2610H – The Canadian economy (see Economics)

CAST – HIST – INDG 2700Y – History and politics of the Métis (see Indigenous Studies)

CAST – GEOG 2710H – Cities: An introduction to urban geography (see Geography)

CAST – WMST 2745H – Women in Canada: Region and place

Exploration of place and region in the lives of Canadian women, as represented through women's history and literature. Prerequisite: 3.0 university credits or permission of instructor. Excludes CAST – WMST 274H.

CAST – WMST 2755H – Women in Canada: Women and the arts

Selected studies in Canadian women's artistic expression, with particular attention to the visual arts and life-writing. Includes fiction about gender and the arts in Canada. Prerequisite: 3.0 university credits or permission of instructor. Excludes CAST – WMST 275, 275H.

CAST – GEOG 2810H – Canada's people and places (see Geography)

CAST – POST – SOCI 3000Y – Reading the social: Space, difference, and power in Canada

An interdisciplinary study of the social practices of space, race, community, identity and difference in Canada. First term: We "unmap" the relationship between place and identity through selected case studies from British Columbia, Atlantic Canada, and the North. Second term: We examine immigration, multiculturalism, globalization and diaspora. Prerequisite: 6.0 university credits or permission of instructor. Excludes CAST – POST – SOCI 300.

CAST – HIST 3010Y/3011H – Everyday history (see History)

CAST – HIST 3020Y – Quebec since 1867 (see History)

CAST – HIST 3040Y – Canada and the world since 1900 (see History)

CAST – POST – SOCI 3050H – Society and politics in Quebec (see Political Studies)

CAST – CUST 3056Y – Landscape, wilderness and the environmental witness (see Cultural Studies)

CAST – HIST 3071H – Public history I (see History)

CAST – HIST 3072H – Public history II (see History)

CAST – HIST – ADMN 3080Y/3081H – Business history: The Canadian experience in international perspective (see History)

CAST – POST 3090Y – Law and constitutional issues (see Political Studies)

CAST – ERST – POST 3100Y – Public policy and the Canadian environment (see Environmental & Resource Science/Studies)

CAST – ERST – WMST 3140Y/3141H – Women, health and the environments (see Gender & Women's Studies)

CAST – HIST – WMST 3160Y – Canadian women's history (see History)

CAST – POST 3210H – Ordering world politics II: Canadian foreign policy in the 20th century and beyond (see Political Studies)

CAST – GEOG – WMST 3220H – Gender, society and space (see Geography)

CAST – FREN 3230Y – Quebec theatre and poetry / Théâtre et poésie du Québec (see French Studies)

CAST – HIST 3240Y – Canada: The North

The historical and contemporary Canadian North in both its arctic and sub-arctic contexts. Emphasis will be intellectual and social. Prerequisite: 6.0 credits or permission of instructor. Excludes CAST – HIST 324.

CAST – POST 3260H – North American politics (see Political Studies)

CAST – ERST – GEOG 3330H – Wilderness resources (see Geography)

CAST – HIST – INDG 3335H – First Nations and the welfare state 1940 – 1980

This course explores the policy initiatives and socio-economic conditions of the Welfare State era as they affected First Nations. With a focus on Welfare State ideology, the course examines issues of health, the surveillance and intervention of social welfare officials, unemployment, population growth, community development and education that undercut communities. Prerequisite: 6.0 university credits or permission of instructor.

CAST – ERST 3340H – The Canadian food system: A community development approach (see Environmental & Resource Science/Studies)**CAST – GEOG 3370H – Critical geography of tourism (see Geography)****CAST – INDG – WMST 3480Y – Indigenous women's writing in Canada**

This course is an overview of the literary production of Indigenous women writers and storytellers publishing in Canada whose work can be read in relation to both Indigenous and Western cultural and academic standpoints. It stresses the modern and contemporary period, addressing different understandings of what constitutes "a good story." Prerequisite: 8.0 university credits or permission of instructor. Excludes CAST – INDG 3970H.

CAST – ENGL – INDG 3481H – Studies in Indigenous fiction (see English Literature)**CAST – ENGL – INDG 3483H – Studies in Indigenous poetry (see English Literature)****CAST – ENGL 3501H – Studies in Canadian literature: Periods (see English Literature)****CAST – ENGL 3503H – Studies in Canadian literature: Genre (see English Literature)****CAST – ENGL 3505H – Studies in Canadian literature: Issues (see English Literature)****CAST – ENGL – WMST 3506Y/3507H – Canadian women's writing**

Survey of Canadian women's prose fiction and life-writing from the 19th century to the present. Includes mainstream authors such as Moodie, Montgomery, Laurence, Munro and Atwood; less well-known Indigenous, immigrant and (translated) francophone writers; and recent work by young authors. Prerequisite: 4.0 university credits or permission of instructor. Excludes CAST – ENGL – WMST 2660Y (266). Students may take only one of CAST 3506Y or 3507H for credit.

CAST – ENGL 3520Y – Literary landscapes of Montreal

This course looks at literature (poetry, fiction and life-writing) from the 20th century to the present. English-language and translated French-language texts are read in relation to changing contexts for Montreal literary, cultural and intellectual landscapes. Prerequisite: 6.0 university credits including one 2000-level course in ENGL or CAST or permission of instructor. Excludes CAST – ENGL 352H, 352.

CAST – POST 3620H – Democratic strategy and public policy (see Political Studies)**CAST – GEOG 3640H – Geography of the Polar regions (see Geography)****CAST – POST – SOCI 3665H – Canada: State, society, power**

This course interrogates the political economy tradition in Canada from its roots to more contemporary approaches, examining the dynamics of Canadian economic, political and social development. It addresses issues associated with the development of a resource based and branch-plant economy, globalization and continental integration, and inequality, discrimination and social justice. Prerequisite: 6.0 university credits or permission of instructor. Excludes CAST – POST 366H.

CAST – POST – WMST 3670Y – Women and politics in Canada (see Political Studies)**CAST – GEOG 3710H – Urban planning (see Geography)****CAST – ERST – GEOG 3720H – Urban environments (see Geography)****CAST – GEOG 3730H – Urban social geography (see Geography)****CAST – HIST 3757Y/3758H – History of western Canada (see History)****CAST – GEOG 3760H – The rural-urban fringe (see Geography)****CAST – ERST 3780H – Canadian renewable resource economics and project planning (see Environmental & Resource Science/Studies)****CAST – GEOG 3800H – Regional economic geography of Canada (see Geography)****CAST 3810Y, 3811H, 3813H – Community-based research project**

Students are placed in research projects with community organizations in the Peterborough or Haliburton area. Each placement is supervised jointly by a faculty member and a representative of a community organization. For details see "Community-Based Education Program" ([p. 245](#)). Prerequisite: 10.0 credits and a 75% cumulative average.

CAST – FREN 3830Y – The Quebec novel / Le roman québécois (see French Studies)

CAST – ECON 3840H – Health economics (see Economics)

CAST – SOCI – WMST 3860H – Gender, race and class (see Gender & Women's Studies)

CAST – SOCI – WMST 3870H – Immigrant women in Canada (see Gender & Women's Studies)

CAST – SOCI 3880H – Selected topics in Canadian social structure (see Sociology)

CAST 3900Y, 3901H, 3903H – Reading courses

A structured course arranged between student and instructor, approved by the chair of the program, involving independent study of material. Regular meetings and detailed written work. See program brochure for further details and requirements.

CAST – WMST 3962H – Women and the Law (see Gender & Women's Studies)

CAST – HIST – INDG 4000Y – Research seminar in Indigenous history

The seminar will focus on ethnohistorical method and Indigenous historiography. The course and course work are structured to give students experience in all the elements involved in producing a piece of professional historical research. Prerequisite: 14.0 university credits including INDG 1000Y (100) or CAST 1000Y (100) or at least one HIST credit at the 1000-level, or permission of instructor. Excludes CAST – HIST – INDG 400.

CAST 4010Y, 4020D – Honours thesis

CAST 4010Y is a single credit; CAST 4020D is a double credit. Arrangements to be made through the chair of the program. Prerequisite: 14.0 university credits and a 75% cumulative average.

CAST – HIST 4030Y – History of night (see History)

CAST – HIST 4040Y – Issues in the history of Canadian foreign policy (see History)

CAST – WMST 4050H – Feminism and critical race theory (see Gender & Women's Studies)

CAST – POST 4055H – Contemporary Canadian problems (see Political Studies)

CAST – HIST 4070Y – The Canadian-American frontier (see History)

CAST – POST 4080Y – Canadian politics and public policy: Finding the right balance (see Political Studies)

CAST – HIST 4100Y – Topics in Canadian history (see History)

CAST – ANTH – INDG 4151Y – Archaeology of Ontario (5c) (see Anthropology)

CAST – HIST – WMST 4160Y – Canadian women's history (see History)

CAST – HIST 4200Y – Canadian images

This course explores ways of seeing, looking at and representing Canada and its cultures in visual media, including painting, photography, the graphic arts, and video art. Analysis is nested in the traditions of Canadian art history and the international literature on theories of visual culture. Prerequisite: 14.0 university credits or permission of instructor. Excludes CAST – HIST 420.

CAST – HIST 4210Y – The car in history: Business, culture, society and the automobile in North America (see History)

CAST – FREN 4230Y – Advanced study of Quebec theatre and poetry / Étude approfondie du théâtre et de la poésie du Québec (see French Studies)

CAST – IDST – POST 4240Y – Canada, globalization, and international development (see International Development Studies)

CAST – HIST – INDG 4250Y – The evolution of the settlement commonwealth (see Indigenous Studies)

CAST – HIST 4290Y – Conflict and convergence: Canadian-American relations since 1776 (see History)

CAST – HIST – POST 4350Y – History of the radical book in Canada, 1860 – 1970

This course reviews the history of the radical book in Canada from the 1860s and Confederation to the 1960s and upheavals associated with the struggle for a just society and the explosion of an independence movement in Quebec. Prerequisite: 14.0 university credits or permission of instructor. Excludes CAST – HIST – POST 435.

CAST – POST – WMST 4430Y/4431H – Women, the welfare state and globalization in Canada (see Gender & Women's Studies)

CAST – POST 4440Y/4441H – Space, power and citizenship

By engaging in debates found in cultural studies, political and social theory, this course is designed to question the negotiation of contemporary citizenship practices inclusive of multi-cultural citizenship, feminist citizenship, sexual citizenship, Aboriginal citizenship and post-national articulations of citizenship. Prerequisite: 14.0 university credits or permission of instructor. Excludes CAST – POST 440. Students may take only one of CAST 4440Y or 4441H for credit.

CAST – SOCI 4450Y – The media and communications in Canada (see Sociology).**CAST – ENGL 4500Y/4501H Research seminar in Canadian literature (see English Literature)****CAST – ANTH 4505H – Anthropology of race and racism (see Anthropology)****CAST – SOCI – WMST 4550Y/4551H – Gender and disability in Canada**

This course explores how difference – especially who is labelled “different” – changes according to social, political and cultural factors and interests. We will focus on disability and its intersection with other identity-based categories including gender, race, and sexuality. Readings come from Canadian literature and film, critical theory, social policy and the mass media. Prerequisite: 14.0 university credits or permission of instructor. Excludes CAST – SOCI – WMST 455. Students may take only one of CAST 4550Y or 4551H for credit.

CAST – GEOG – POST 4555H – City, economy, and society: Urban restructuring and the global economy

Focuses on contemporary issues facing Canadian cities in comparative perspective. It locates cities within the global circuit of capital, examines the ways in which cities are being reordered to enhance their global competitiveness and standing, and analyses the effects of restructuring on communities and the struggles for social justice. Prerequisite: 14.0 university credits or permission of instructor.

CAST – ERST – POST 4600H – Public policy in global perspective (see Environmental & Resource Science/Studies)**CAST – ENGL – WMST 4662Y – Representations of the other in contemporary Canadian writing**

Advanced studies in modern and contemporary Canadian fiction, with particular attention to Aboriginal, racial-ethnic minority, francophone, and women writers and their relationship to the so-called mainstream of Canadian literature. Prerequisite: 14.0 university credits or permission of instructor. Excludes CAST – ENGL – WMST 466.

CAST – ERST – HIST 4670H – Environmental history (see Environmental & Resource Science/Studies)**CAST – HIST 4760Y – Canadian and Australian working class history**

This course will compare and contrast working class history in Canada and Australia from the mid-19th century to the present. Issues of class, gender and ethnicity will be a focus. Topics will include the Industrial Workers of the world, sex work, Aboriginal labour, the New Left and the labour process. Prerequisite: 14.0 university credits or permission of instructor. Excludes CAST – HIST 476.

CAST – HIST – POST 4770Y – Studies in Canadian social policy

This course examines the evolution of social policy from the 19th to the 21st century including governmental, professional and organizational responses to poverty, health care, old age, children's rights, mental illness, physical disability, family fragmentation, and caregiving. Prerequisite: 14.0 university credits or permission of instructor. Excludes CAST – HIST – POST 477.

CAST – HIST 4780Y – North American popular culture (see History)**CAST 4810Y, 4811H, 4812H – Community-based research project**

Students are placed in research projects with community organizations in the Peterborough or Haliburton area. Each placement is supervised jointly by a faculty member and a representative of a community organization. For details see “Community-Based Education Program” ([p. 245](#)). Prerequisite: 14.0 university credits and a 75% cumulative average.

CAST – FREN 4830Y – Advanced study of the Quebec novel / Étude approfondie du roman québécois (see French Studies)**CAST 4850Y, 4851H – Field course**

A structured course of supervised activity in the field, including detailed written work. Arrangements to be made through the chair of the program.

CAST 4900Y, 4901H, 4902H, 4903H – Reading course

A structured course arranged between student and instructor, approved by the chair of the program, involving independent study of material. Regular meetings and detailed written work. See program brochure for details and requirements.

CAST – HIST 4970Y – Canada since 1945 (see History)

Chemical Physics

Program Coordinators

Chair of the Chemistry Department

D. A. Ellis, B.Sc. (Glasgow), M.Sc. (Aberdeen), M.Sc., Ph.D. (Toronto)

Chair of the Department of Physics & Astronomy

To be named

Professors

See listing of faculty in Chemistry, Mathematics and Physics & Astronomy

The Chemical Physics program is designed for students who are interested in the study of the physics and physical chemistry of molecular and atomic-scale systems, and condensed matter. Course emphasis is on the physics and physical chemistry of atomic, molecular and bulk systems, as well as the mathematical techniques and approaches needed to do quantitative work in these areas. A Chemical Physics education at Trent involves working closely with faculty and staff in formal lecture and informal laboratory and tutorial/workshop settings. Students enrol in either a General or an Honours program. Honours research projects offer an opportunity for students to obtain first-hand experience in modern chemical physics research design and methods.

BACHELOR OF SCIENCE PROGRAM IN CHEMICAL PHYSICS

- See [p. 28](#) for requirements which apply to all undergraduate degree programs.
- The Chemical Physics program is a sequence of courses offered by the departments of Chemistry, Physics & Astronomy and Mathematics that compose an integrated whole.
- There is no minor in Chemical Physics.
- There is no joint-major program in Chemical Physics.
- For information on individual courses see calendar entries for Chemistry and Physics & Astronomy.
- Students wishing to transfer to a single-major program in Chemistry or Physics should consult the chair of the appropriate department when they have successfully completed 8.0 to 10.0 course credits.

The Honours program. 20.0 credits including the following 14.0 credits:

- 3.0 CHEM credits consisting of CHEM 1000H and 1010H (or 100); 2500H and 2510H (or 200); 3500H (301H) and 3510H (302H)
- 1.0 CHEM credit from CHEM 4500H (401H), 4510H (408H), 4220H (423H), or 4400H (441H)
- 4.0 PHYS credits consisting of PHYS 1001H and 1002H (or 1000Y or 100), 2610H (202H), 2620H (203H), 3200Y (3210 or 321) and 4600Y (400)
- 3.0 MATH credits consisting of MATH 1100Y (110) or 1101Y, 2110H (201H), 2120H (202H), 2150H (205H) and 3150H (305H)
- 2.0 CHEM, PHYS or MATH credits in addition to the above at the 4000-level
- 1.0 CHEM, PHYS or MATH credit in addition to the above, beyond the 1000-level

The General program. 15.0 credits including the following 10.0 credits:

- 2.0 CHEM credits consisting of CHEM 1000H, 110H (or 100), 2500H and 2510H (or 200)
- 1.0 CHEM credit from CHEM 3500 (301H), 3510 (302H), 4500H (401H), 4510H (408H), 4220H (423H) or 4400H (441H)
- 3.0 PHYS credits consisting of PHYS 1001H and 1002H (or 1000Y or 100), 2610H (202H), 2620H (203H) and 3200Y (3210 or 321)
- 3.0 MATH credits consisting of MATH 1100Y (110) or 1101Y, 2110H (201H), 2120H (202H), 2150H (205H) and 3150H (305H)
- 1.0 CHEM, PHYS or MATH credit in addition to the above, beyond the 1000-level
- 11.0 science credits are required for the General degree

Chemistry

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Web: www.trentu.ca/chemistry

Associate Professor and Chair of the Department

D. A. Ellis, B.Sc. (Glasgow), M.Sc. (Aberdeen), M.Sc., Ph.D. (Toronto)

Professors

P. Dillon, M.Sc., Ph.D. (Toronto); **H. Hintelmann**, B.Sc., Ph.D., (Hamburg); **E. G. Lewars**, B.Sc. (London), Ph.D. (Toronto); **S. Narine**, B.Sc., M.Sc. (Trent), Ph.D. (Guelph); **J. M. Parnis**, B.Sc., Ph.D. (Toronto); **I. Svishchev**, M.Sc. (Moscow State), Ph.D. (USSR Academy of Sciences)

Associate Professors

S. P. Rafferty, B.Sc. (Waterloo), Ph.D. (British Columbia); **A. J. Vreugdenhil**, B.Sc. (Queen's), Ph.D. (McGill); **D. Wallschläger**, Ph.D. (Bremen)

Assistant Professor

C. Guéguen, M.Sc. (Western Brittany), Ph.D. (Geneva)

Adjunct Faculty

R. C. Makhija, M.Sc., Ph.D. (Lucknow), C. Chem., FCIC

Senior Demonstrator

H. Al-Haddad, B.Sc. (Baghdad), Ph.D. (Strathclyde), C.Chem.

Demonstrators/Technicians

B. Best, B.Sc. (Trent); **T. Hayward**, B.Sc. (Trent), M.Sc. (Queen's); **S. Landry**, B.Sc. (Trent); **J. LaPlante**

Professors Emeriti

P. F. Barrett, M.Sc. (Queen's), Ph.D. (Toronto), FCIC; **S. A. Brown**, B.S.A. (Toronto), M.S., Ph.D. (Michigan State); **D. Mackay**, B.Sc., Ph.D. (Glasgow); **R. E. March**, B.Sc. (Leeds), Ph.D. (Toronto), FCIC; **K. B. Oldham**, Ph.D., D.Sc. (Manchester), FCIC; **A. H. Rees**, M.A., Ph.D. (Cambridge), M.A. (Oxford), Ph.D. (London), MRCS; **R. A. Stairs**, B.Sc. (McGill), M.Sc. (Western), Ph.D. (Cornell), FCIC

Chemistry is the central discipline of science, with interdisciplinary links to all other physical and life science disciplines. The Chemistry department offers a comprehensive range of courses in the fundamentals of analytical, biochemical, environmental, inorganic, organic and physical chemistry. Upper-level courses include study in advanced fundamentals, as well as computational, bio-inorganic and materials chemistry. Chemistry education at Trent involves working closely with faculty and staff in formal lecture and informal laboratory and tutorial/workshop settings. Students enrol in either a General or an Honours program. Many students in the Honours program choose to do a research project in which they obtain first-hand experience in modern chemical research design and methods.

Notes

- A 4U Chemistry or equivalent is a prerequisite for CHEM 1000H and 1010H. Students without this prerequisite should contact the departmental office for advice before Early Registration.
- All students taking Chemistry courses that have a laboratory component will be expected to pay for breakage of equipment and/or glassware on a per-item basis, billed monthly to their student account.
- For the Biochemistry & Molecular Biology, Environmental Chemistry and Chemical Physics programs see the relevant sections of the calendar.
- Students who have fulfilled the requirements for a single-major Honours degree in another subject may apply to the Office of the Registrar for a minor in Chemistry, if they have met the requirements for the joint-major General degree (see below).

BACHELOR OF SCIENCE PROGRAM IN CHEMISTRY

- See [p. 28](#) for requirements which apply to all undergraduate degree programs.
- The same course may not simultaneously satisfy the requirements of both programs in a joint-major degree.
- The single-major Honours degree program in Chemistry is accredited by the Canadian Society for Chemistry.
- A maximum of 2.0 credits may be taken in Chemistry project courses.
- No more than 2.0 credits from thesis or project courses may be counted towards any degree offered wholly or jointly by the Chemistry department.

The single-major Honours program. 20.0 credits including the following 14.0 credits:

- 5.0 CHEM credits consisting of CHEM 1000H and 1010H (100); 2500H and 2510H (200); 2100H and 2110H (212); 2400H (240H); 2200H (321H); 3200H (323H) and CHEM – BIOL 2300H (231H)
- 0.5 CHEM credit from CHEM – ERSC 3400H (342H) or 3410H (343H)
- 2.0 CHEM credits in addition to the above, at the 3000-level
- 3.0 CHEM credits at the 4000-level, including at least 1.5 credits in lecture courses
- 1.0 science credit at the 4000-level or 1.0 CHEM credit at the 3000- or 4000-level in addition to the above
- 1.0 PHYS credit consisting of PHYS 1000Y (100)
- 1.0 MATH credit from MATH 1100Y (110) or 1101Y; or from MATH 1005H (105H) and one of MATH 1350H (135H) or 1550H (155H)
- 0.5 credit in MATH or COIS in addition to the above

The joint-major Honours program. 20.0 credits including the following 8.5 credits:

- 1.0 CHEM credit consisting of either CHEM 1000H and 1010H or 100
- 2.0 CHEM credits at the 2000-level
- 2.0 CHEM credits at the 3000-level
- 2.0 CHEM credits at the 4000-level
- 1.0 MATH credit from MATH 1100Y (110) or 1101Y; or from MATH 1005H (105H) and one of MATH 1350H (135H) or 1550H (155H)
- 0.5 credit from MATH or COIS in addition to the above
- 14.0 science credits are required for the Honours degree

The single-major General program. 15.0 credits including the following 6.0 credits:

- 1.0 CHEM credit consisting of either CHEM 1000H and 1010H or CHEM 100
- 2.5 CHEM credits consisting of either CHEM 2500H and 2510H or CHEM 200; either CHEM 2100H and 2110H or CHEM 212; and 2400H (240H)
- 2.5 CHEM credits in addition to the above, at least 2.0 beyond the 2000-level
- 11.0 science credits are required for the General degree, including 1.0 MATH credit

The joint-major General program. 15.0 credits including the following 5.0 credits:

- 1.0 CHEM credit consisting of either CHEM 1000H and 1010H or 100
- 2.0 CHEM credits at the 2000-level
- 2.0 CHEM credits at the 3000-level
- 11.0 science credits are required for the General degree, including 1.0 MATH credit

The minor in CHEM consists of the following 5.0 credits:

- 1.0 CHEM credit consisting of either CHEM 1000H and 1010H or 100
- 2.0 CHEM credits at the 2000-level
- 2.0 CHEM credits at the 3000-level

Please consult the academic timetable, available through myTrent, for information on courses that will be offered in 2011–2012 including when they will be scheduled.

CHEM 1000H – Introductory chemistry I

Essential aspects of general, molecular and intermolecular chemistry. Topics include atomic structure, bonding, equilibrium, acids-bases, gases, liquids, solutions and the solid state. Emphasis is on the relation between molecular and physical properties. Prerequisite: 4U Chemistry or equivalent or permission of instructor (see notes). Excludes CHEM 100.

CHEM 1010H – Introductory chemistry II

Essential aspects of physical, inorganic, organic and biological chemistry. Topics include redox chemistry, kinetics, thermodynamics and an introduction to inorganic, environmental, organic and biological chemistry. Prerequisite: CHEM 1000H or equivalent or permission of instructor (see notes). Excludes CHEM 100.

CHEM – BIOL 1550H – Introductory life sciences (see Biology)

CHEM 2100H – Introductory synthetic organic chemistry

An introduction and overview of organic compounds and reactions within synthetic methodology will be presented for alkanes, alkenes, alkynes and alkyl halides. The concepts of stereochemistry will be introduced. The driving force behind reactions will be examined. Prerequisite: CHEM 1000H and 1010H, or 100. Excludes CHEM 212.

CHEM 2110H – Introductory physical organic chemistry

The thermodynamics and kinetics pertaining to mechanistic organic chemistry will be investigated with case example classes of compounds. The application and theory of MS, IR, UV and NMR

spectroscopy in the structural determination of organic compounds will be introduced. Prerequisite: CHEM 1000H and 1010H, or 100, and 2100H. Excludes CHEM 212.

CHEM 2200H – Transition metal chemistry

The bonding and structure of coordination compounds of the d-block transition metals; mechanisms of ligand exchange and redox reactions; physical and chemical properties of d- and f-block elements. Prerequisite: CHEM 1000H or 1010H, or 100, and 2500H or 200. Excludes CHEM 321H.

CHEM – BIOL 2300H – Biochemical concepts

This course introduces key molecules and concepts in biochemistry. Topics include the properties of water, the behaviour of biomolecules in water, protein structure and function, and enzyme properties and regulation. Computer labs introduce students to molecular graphics and electronic accessing of biochemical information such as biomolecular structures, protein sequences, and scientific literature. Prerequisite: CHEM 1000H and 1010H, or 100. Excludes CHEM 231H.

CHEM 2400H – Analytical chemistry

The theory of chemical equilibrium as it applies to chemical analysis; experiments in gravimetric and volumetric analysis. Prerequisite: CHEM 1000H and 1010H, or 100. Excludes CHEM 240H.

CHEM 2500H – Elements of physical chemistry: Quantum mechanics and reaction kinetics

An introduction to the properties of atoms and molecules, and the theory and practice of chemical reaction kinetics. Prerequisite: CHEM 1000H and 1010H, or 100; MATH 1100Y (110) or 1101Y or 1005H with permission of instructor. Excludes CHEM 200.

CHEM 2510H – Elements of physical chemistry: Thermodynamics

An introduction to thermodynamics: the First and Second laws. The properties of gases, thermochemistry and principles of chemical equilibrium. Phase diagrams of typical materials. Prerequisite: CHEM 1000H and 1010H, or 100; MATH 1100Y (110) or MATH 1005H (105H) with permission of instructor. Excludes CHEM 200.

CHEM – BIOL 2550H – Advanced life sciences (see Biology)

CHEM – ERSC 2610H – Atmospheric environmental chemistry

This course, designed for students who have taken general chemistry, explores and discusses topics such as the greenhouse effect, chemistry of the ozone layer, air pollution, photochemical smog and acid rain. Prerequisite: CHEM 1000H and 1010H, or 100. Excludes CHEM – ERSC 2600Y, 241.

CHEM – ERSC 2620H – Aquatic environmental chemistry

The course goal is to expose the main chemical principles that govern environmental processes in natural waters such as rivers, lakes, estuaries and oceans. It includes the chemical composition of aquatic systems and the behaviour of aqueous pollutants such as metals and pesticides. Prerequisite: CHEM 1000H and CHEM 1010H, or 100. Recommended: CHEM – ERSC 2610H. Excludes CHEM – ERSC 2600Y, 241.

CHEM 3100Y – Advanced organic chemistry

Structure and reactivity of reactants and transition states in the determination of thermodynamics and kinetics of chemical reactions. Introduction to potential energy surfaces as functions of molecular structure and as guides to understanding chemical reactions. There will be several hands-on computer-based exercises illustrating structural and mechanistic aspects of organic chemistry. Prerequisite: CHEM 2100H and 2110H (or 212). Strongly recommended: CHEM 2500H and 2510H (or 200). Excludes CHEM 310.

CHEM 3200H – Chemistry of the main-group elements

Structure and bonding in compounds of the main group elements, including symmetry, correlation of physical and chemical properties with electronic structure, crystalline solids and band theory. Qualitative comparison of the second-row elements with the heavier elements in the group. Prerequisite: CHEM 2500H and 2510H (or 200). Excludes CHEM 323H.

CHEM – BIOL 3300H – The essence of metabolism

This course addresses the following question: how does life extract energy from its surroundings, and what does it do with this energy? Topics will include the nature of high-energy biomolecules, the pathways by which they are formed, their use in biosynthesis of other molecules, and how these pathways are regulated. Prerequisite: CHEM – BIOL 2300H (231H); CHEM 2100H and 2110H (or 212). Excludes CHEM – BIOL 331H.

CHEM – BIOL 3310H – Protein chemistry and enzymology

This course deals in detail with the properties of proteins, as well as their purification and biophysical characterization. It will also emphasize the catalytic properties of enzymes. In the laboratory component the student will design and execute their own enzyme purification scheme, extending the skills they obtained in CHEM – BIOL 3300H (331H). Prerequisite: CHEM – BIOL 3300H (331H). Excludes CHEM – BIOL 332H.

CHEM – ERSC – FRSC 3400H – Chromatography

Theory and practice of chromatography, sampling and quality control. Particular emphasis will be placed on applications in environmental analysis. Prerequisite: CHEM 2400H (240H). Excludes CHEM 343H.

CHEM – ERSC – FRSC 3410H – Spectrophotometry and spectroscopy

Modern analytical spectroscopic instrumentation, techniques and application to the analysis of organic, inorganic and biochemical contaminants with a particular focus on the forensic and environmental fields are addressed. Prerequisite: CHEM 2400H (240H). Strongly recommended: CHEM 2100H and 2110H (or 212). Excludes CHEM 342H.

CHEM 3500H – Quantum chemistry and spectroscopy

Fundamentals and applications of quantum mechanics in chemical systems and spectroscopy. Wave functions, rotational and vibrational motion, structure of atoms and molecules, bonding theories. Prerequisite: CHEM 2500H and 2510H (or 200) and MATH 1100Y (110) or 1101Y or permission of instructor. Recommended: MATH 2110H (201H) and MATH 2120H (202H) (or 200). Excludes CHEM 301H.

CHEM 3510H – Chemical thermodynamics and reaction kinetics

Modern chemical thermodynamics and kinetics. Introduction to statistical thermodynamics: molecular interpretation of entropy and internal energy. Reaction rate theories: gas phase, surface and solution kinetics. Prerequisite: CHEM 2500H and 2510H (or 200) and MATH 1100Y (110) or 1101Y or permission of instructor. Recommended: MATH 2110H (201H) and MATH 2120H (202H) or MATH 200. Excludes CHEM 302H.

CHEM – ERSC 3600H – Advanced environmental chemistry I

This course focuses on the inorganic processes and on the chemistry at the terrestrial-aquatic interface. The principles and applications of chemical weathering, adsorption-desorption and redox reactions will be particularly emphasized. This course combines theory and environmental applications. Prerequisite: CHEM 2400H (240H), CHEM – ERSC 2610H and 2620H, or 2600Y (241). Excludes CHEM 344H.

CHEM – ERSC 3610H – Advanced environmental chemistry II

This course focuses on the parameters controlling the natural water chemistry in surface and subsurface systems. These key processes involve chemical reactions and kinetics, pH control of equilibria, chemical speciation and photochemical processes. This course combines theory and environmental applications. Prerequisite: CHEM 2400H (240H) and CHEM – ERSC 2620H or 2600Y (241). Recommended: CHEM – ERSC 3600H (344H). Excludes CHEM 345H.

CHEM 4010Y – Project course in chemistry

Study, usually involving experimental research, under the supervision of a faculty member including two seminars and a written thesis. At least eight hours per week. Prerequisite or co-requisite: two chemistry lecture half-courses at the 4000 (400)-level; an average of 75% in all previous Chemistry courses; and permission of instructor. Contact coordinator as soon as possible and no later than the end of the previous Winter session. Excludes CHEM 451.

CHEM 4020D – Project course in chemistry

A double credit. About 16 hours per week; otherwise, as CHEM 4010. Prerequisite or co-requisite: two chemistry lecture half-courses at the 4000 (400)-level; an average of 75% in all previous Chemistry courses; and permission of instructor. Excludes CHEM 452D.

CHEM 4030Y – Project course in biochemistry

Study, usually involving experimental research, under the supervision of a faculty member; includes two seminars and a written thesis. At least eight hours per week. Prerequisite or co-requisite: two CHEM or BIOL lecture half-courses at the 4000 (400)-level; an average of 75% in all previous Chemistry courses; and permission of the instructor. Contact coordinator as soon as possible and no later than the end of the previous winter session. This course is only available to students who are pursuing the Biochemistry & Molecular Biology degree and may not be combined with more than 1.0 credit in a project course in any other discipline. Excludes CHEM 456.

CHEM – BIOL 4040D – Project course in biochemistry (double credit)

At least 16 hours per week; otherwise as CHEM 4030Y. May not be combined with any other project courses for credit toward the Biochemistry & Molecular Biology degree. Prerequisite: An average of 75% in all previous Chemistry courses and permission of instructor. Excludes CHEM 457D.

CHEM 4100H – Qualitative spectroscopic analysis

Application of UV-visible, infrared, nuclear magnetic resonance and mass spectrometry to the elucidation of molecular structure. Prerequisite: CHEM 2500H, 2510H, 2100H, 2110H (or 200 and 212). Excludes CHEM 410H.

CHEM 4110H – Modern organic synthesis

Retrosynthetic strategies for the preparation of complex molecules from accessible starting materials. Methods for carbon-carbon bond formation, reagents for oxidation and reduction, and the use of protecting groups. Introduction to information resources for organic chemistry. Prerequisite: CHEM 3100Y (310). Excludes CHEM 412H.

CHEM 4120H – Computational chemistry

The use of molecular mechanics, semi-empirical ab initio methods in the investigation of molecular structure and reactivity. Prerequisite: CHEM 2500H, 2510H, 2100H, 2110H (or 200 and 212). Excludes CHEM 413H.

CHEM 4130H – Applications of NMR spectroscopy

This course focuses on the practical employment of NMR within organic, biochemical and environmental fields. It will provide a review of the basic theory and instrumentation of NMR, introduce simple 1D, followed by more complex 2 and 3D spectral acquisition and interpretation techniques, and will include heteronuclear elements. Prerequisite: CHEM 2100H, 2110H. Highly recommended: CHEM 3410H (or 212 and 342H). Excludes CHEM 414H.

CHEM 4200H – Organometallic chemistry

Chemistry of organic and inorganic ligands at metallic centres including the carbon-metal bond, catalysis, organic ligand transformations and reactions at metallic centres. Prerequisite: CHEM 2200H (321H) or both CHEM 3200H (323H) and 4220H (423H). Excludes CHEM 421H.

CHEM – PHYS 4210H – Principles and applications of symmetry and group theory

Principles and applications of symmetry and group theory in molecular systems. Quantum mechanics, molecular orbital theory, ligand field theory, electronic and vibrational spectroscopy. Prerequisite: one of CHEM 3500H (301H); 3510H (302H); 2200H (321H); 3200H (323H), PHYS 2620H (203H) or permission of instructor. Excludes CHEM 422H.

CHEM 4220H – Inorganic materials

Structure and bonding theory in inorganic molecules is reviewed and expanded for extended structures (polymers and solids). Topics include band structures in metals, semiconductors, and insulators; superconductors and nanoscale materials. Prerequisite: CHEM 3200H (323H) or both CHEM 2200H (321H) and 4200H (421H). Excludes CHEM 423H.

CHEM – BIOL 4300H – Bioinorganic chemistry

The essential biological roles of metals are usually acknowledged but seldom discussed in most biochemistry courses. This course includes an introduction to coordination chemistry and a survey of the roles of metals in enzyme catalysis, oxygen transport, photosynthesis, cell mobility, gene expression and environmental toxicity. Prerequisite: CHEM – BIOL 3300H (331H) and 3310H (332H); (or CHEM 2200H). Excludes CHEM 435H.

CHEM – BIOL 4310H – Current topics in biochemistry

A survey of the questions that are of greatest interest to biochemists. This course will rely extensively on reading and understanding primary literature sources published within the last four years. Students will give presentations in class as part of the course evaluation. Prerequisite: CHEM – BIOL 3300H (331H) and 3310H (332H). Excludes CHEM 436H.

CHEM 4400H – Mass spectrometry

An introduction to the principles and modern applications of mass spectrometry in chemical analysis. Topics include: fundamentals of ion chemistry, ionization techniques, mass-analyzer and detector design, and applications of hybrid and tandem instrumental design in analytical and organic chemistry and biochemistry. Prerequisite: CHEM 2500H and 2510H (or 200). Excludes CHEM 441H.

CHEM – ERSC 4410H – Advanced analytical chemistry

Theory of spectrometric techniques for elemental analysis. Students will become acquainted with the current literature and research in analytical/environmental chemistry. Prerequisite: CHEM – ERSC 3400H (342H) or 3410H (343H) or permission of instructor. Excludes CHEM 442H.

CHEM 4500H – Photochemistry

Application of quantum mechanics and spectroscopy in the area of photochemistry. Topics include interaction of matter with light, unimolecular decomposition, energy transfer processes, photochemical activation, organic photochemistry, as well as applications in environmental and industrial processes. Prerequisite: CHEM 2500H and 2510H (or 200). Excludes CHEM 401H.

CHEM 4510H – Modern physical environmental chemistry

Molecular-level understanding of natural phenomena. Unique physical properties and structure of water, hydrogen bonding and hydrophobic effect. More advanced topics may include partitioning of chemicals in the environment, colloidal stability and molecular simulations of water. Prerequisite: CHEM 2500H or 2510H (or 200). Recommended: CHEM – ERSC 2610H or 2620H or 2600Y (241). Excludes CHEM 408H.

CHEM 4520H – Principles of water science and technology

Designed for students whose main background is in chemistry, this course is an expanded study of the unique properties and role of water in nature and technology. Topics include: essential properties of water and aqueous mixtures, chemistry behind clean drinking water, municipal wastewater treatment, water chemistry in power generation systems. Prerequisite: one of CHEM 2500H, 2510H (or 200), CHEM – ERSC 2610H, 2620H or 2600Y (241).

CHEM 4900Y, 4901H, 4902H – Reading course

Topics from one of the following fields: analytical chemistry, biochemistry, inorganic chemistry, organic chemistry, physical chemistry and theoretical chemistry. Project work outside the laboratory may be involved. Offered only by prior arrangement through department office.

Computing & Information Systems

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Associate Professor and Chair of the Department

B. G. Patrick, B.C.S. (Concordia), M.Sc. (Queen's), Ph.D., M.B.A. (McGill)

Professors

W. Feng, B.Sc. (Hebei), M.Sc. (Shaanxi), Ph.D. (Glasgow) (*on leave 2011-2012*); **R. T. Hurley**, B.Sc. (New Brunswick), Ph.D. (Waterloo)

Associate Professor

S. B. Regoczei, B.Sc., M.Sc. (Toronto)

Assistant Professor

S. M. McConnell, B.Sc., M.Sc., Ph.D. (Queen's)

Lecturer

B. F. Hircock, B.Sc., M.Sc. (Trent)

Laboratory Demonstrator

J. Mitchell, B.Sc. (Trent)

Professor Emeritus

J. W. Jury, B.Sc., M.Sc., Ph.D. (Toronto)

The study of computing and information systems is central to our understanding of how the world processes, manages and communicates information using digital technologies. It is a field which impacts on all disciplines and has redefined how we work, interact and conduct our day-to-day lives. The department of Computing & Information Systems offers two streams of study: Computing Systems (major, joint-major and minor) and Information Systems (joint-major and minor). Under the Computing Systems stream, three specializations are also offered: Computer Science, High Performance Computing, and Software Engineering.

The computing systems specialist designs, implements and integrates software applications which may execute on any system of computing devices, from supercomputers to game boards. He or she uses theories, methodologies and techniques which help ensure that the system is robust and useable. The information systems specialist, on the other hand, is concerned with the flow, storage and access to information both within and across organizational boundaries, encompassing systems which are both computational and non-computational. He or she requires a broad systems perspective and an appreciation of both technical matters such as databases, networks and telecommunications as well as non-technical matters such as ethics, law and digital culture.

Notes

- See [p. 28](#) for requirements which apply to all undergraduate degree programs.
- The Department offers both a B.Sc. and a B.A. degree for all single-majors, joint-majors, minors and specializations.
- All courses in the Department, except where indicated, are designated as science credits.
- The same course may not simultaneously satisfy the requirements of both programs in a joint-major degree.
- Students who have fulfilled the requirements for a single-major Honours degree in another subject may apply to the Office of the Registrar for a minor in Computing Systems or Information Systems, if they have met the requirements for a joint-major General degree in Computing Systems or Information Systems, respectively (see below).
- Students whose interests span the three disciplines of Computing Systems, Physics and Mathematics may be interested in the single-major Honours program in Computing Systems & Physics. Please consult the Computing Systems & Physics section of the calendar for details.

BACHELOR OF SCIENCE AND BACHELOR OF ARTS PROGRAMS IN COMPUTING & INFORMATION SYSTEMS

The single-major Honours program in Computing Systems. 20.0 credits including the following 12.5 or 13.0 credits:

- 3.0 COIS credits consisting of COIS 1010H, 1020H, 2020H, 2240H, 2300H and 3400H (COSC 101H, 102H, 202H, 362H, 230H, and 340H)
- 1.0 COIS credit consisting of either COIS – MATH 2600H and 0.5 additional COIS credit; or COSC – MATH 260
- 1.5 COIS credits in addition to the above
- 3.5 COIS credits in addition to the above at the 3000- or 4000-level
- 2.0 COIS credits in addition to the above at the 4000-level
- 1.0 MATH credit consisting of MATH 1350H (135) and 1550H (155H)
- 0.5 or 1.0 MATH credit consisting of MATH 1005H (105H) or 1100Y (110) or 1101Y; MATH 1100Y or 1101Y is recommended
- for the B.Sc., 14.0 science credits are required for the Honours degree

The joint-major Honours program in Computing Systems. 20.0 credits including the following 8.5 or 9.0 credits:

- 3.0 COIS credits consisting of COIS 1010H, 1020H, 2020H, 2240H, 2300H and 3400H (COSC 101H, 102H, 202H, 362H, 230H, and 340H)
- 1.0 COIS credit consisting of either COIS – MATH 2600H and 0.5 additional COIS credit; or COSC – MATH 260
- 0.5 COIS credit in addition to the above
- 1.5 COIS credits in addition to the above at the 3000- or 4000-level
- 1.0 COIS credit in addition to the above at the 4000-level
- 1.0 MATH credit consisting of MATH 1350H (135) and 1550H (155H)
- 0.5 or 1.0 MATH credit consisting of MATH 1005H (105H) or 1100Y (110) or 1101Y; MATH 1100Y or 1101Y is recommended
- for the B.Sc., 14.0 science credits are required for the Honours degree

The joint-major Honours program in Information Systems. 20.0 credits including the following 7.0 credits:

- 3.0 COIS credits consisting of COIS 1010H, 1520H, 3030H, 3850H, and COIS-ADMN 1620H, 2620H (COSC 101H, 152H, 303H, COST-ADMN 162H, 262H)
- 2.0 COIS credits in addition to the above
- 1.5 COIS credits in addition to the above at the 3000- or 4000-level
- 0.5 COIS credit in addition to the above at the 4000-level
- for the B.Sc., 14.0 science credits are required for the Honours degree, including 1.0 MATH credit

The single-major General program in Computing Systems. 15.0 credits including the following 9.5 or 10.0 credits:

- 3.0 COIS credits consisting of COIS 1010H, 1020H, 2020H, 2240H, 2300H and 3400H (COSC 101H, 102H, 202H, 362H, 230H, and 340H)
- 1.0 COIS credit consisting of either COIS – MATH 2600H and 0.5 additional COIS credit; or COSC – MATH 260
- 1.5 COIS credits in addition to the above
- 2.5 COIS credits in addition to the above at the 3000- or 4000-level
- 1.0 MATH credit consisting of MATH 1350H (135) and 1550H (155H)
- 0.5 or 1.0 MATH credit consisting of MATH 1005H (105H) or 1100Y (110) or 1101Y; MATH 1100Y or 1101Y is recommended
- for the B.Sc., 11.0 science credits are required for the General degree

The joint-major General program in Computing Systems. 15.0 credits including the following 6.5 or 7.0 credits:

- 1.5 COIS credits consisting of COIS 1010H, 1020H and 2020H (COSC 101H, 102H and 202H)
- 1.5 COIS credits in addition to the above
- 2.0 COIS credits in addition to the above at the 3000- or 4000-level

- 1.0 MATH credit consisting of MATH 1350H (135) and 1550H (155H)
- 0.5 or 1.0 MATH credit consisting of MATH 1005H (105H) or 1100Y (110) or 1101Y; MATH 1100Y or 1101Y is recommended
- for the B.Sc., 11.0 science credits are required for the General degree

The joint-major General program in Information Systems. 15.0 credits including the following 5.0 credits:

- 2.0 COIS credits consisting of COIS 1010H, 1520H, COIS – ADMN 1620H and 2620H (COSC 101H, 152H, COST – ADMN 162H and 262H)
- 1.0 COIS credit in addition to the above
- 2.0 COIS credits in addition to the above at the 3000- or 4000-level
- for the B.Sc., 11.0 science credits are required for the General degree, including 1.0 MATH credit

The minor in Computing Systems consists of the following 6.5 or 7.0 credits:

- 1.5 COIS credits consisting of COIS 1010H, 1020H and 2020H (COSC 101H, 102H and 202H)
- 1.5 COIS credits in addition to the above
- 2.0 COIS credits in addition to the above at the 3000- or 4000-level
- 1.0 MATH credit consisting of MATH 1350H (135) and 1550H (155H)
- 0.5 or 1.0 MATH credit consisting of MATH 1005H (105H) or 1100Y (110) or 1101Y; MATH 1100Y or 1101Y is recommended

The minor in Information Systems consists of the following 5.0 credits:

- 2.0 COIS credits consisting of COIS 1010H, 1520H, COIS – ADMN 1620H and 2620H (COSC 101H, 152H, COST – ADMN 162H and 262H)
- 1.0 COIS credit in addition to the above
- 2.0 COIS credits in addition to the above at the 3000- or 4000-level

SPECIALIZATION IN COMPUTER SCIENCE

Program Coordinator

B. G. Patrick, B.C.S. (Concordia), M.Sc. (Queen's), Ph.D., M.B.A. (McGill)

The computer scientist studies and develops software systems which interface most closely with the underlying hardware. These systems are grounded in both mathematical and non-mathematical paradigms such as object-orientation, relations and complexity theory. Because the computer scientist bridges the gap between software and hardware systems, he or she develops applications which exploit the speed and power of digital computation, designing new models of computation and new methods of problem-solving. The Specialization in Computer Science is available to students in the single-major Honours program in Computing Systems. It fully prepares them to pursue graduate studies in both theoretical and applied Computer Science.

Specialization requirements:

- 3.5 COIS credits consisting of COIS 2320H, 3030H, 3050H, 3320H, 3380H, 4050H and 4100H
- 2.0 COIS credits in addition to the above at the 3000- or 4000-level

SPECIALIZATION IN HIGH PERFORMANCE COMPUTING

Program Coordinator

S. M. McConnell, B.Sc., M.Sc., Ph.D. (Queen's)

Today, there is a clear trend away from single-core processors, even in contemporary desktop machines. The efficient use of future processor generations will therefore require a generation of programmers, analysts, and developers who are familiar with parallel programming paradigms and the issues associated with multi-core systems. The Specialization in High Performance Computing is available to students in the single-major Honours program in Computing Systems. It provides a solid foundation in distributed systems, shared-memory systems, and hybrid programming, culminating in a full-year, fourth-year project in High Performance Computing.

Specialization requirements:

- 6.0 COIS credits consisting of COIS 3030H, 3040H, 3320H, 3380H, 4000Y, 4050H, 4310H, 4320H, 4350H, 4470H and COIS – ADMN 3850H

SPECIALIZATION IN SOFTWARE ENGINEERING

Program Coordinators

B. F. Hircock, B.Sc., M.Sc. (Trent); **R. T. Hurley**, B.Sc. (New Brunswick), Ph.D. (Waterloo)

The software engineer works as part of a team to design, implement, test, maintain and document software solutions. Because these solutions are typically large and complex, the software engineer must deal on several levels of abstraction and draw on sound methodologies and practices to produce software which is correct, robust, maintainable and extensible. The software engineer therefore bridges the gap between the requirements of a client and the software solution to meet those requirements. He or she must have not only technical skills, but also interpersonal skills to work within the dynamics of a group. The capstone of the Specialization in Software Engineering is a full-year team project (COIS 4000Y) which exercises all phases of software development on a real-world application. The Specialization in Software Engineering is available to students in the single-major Honours program in Computing Systems.

Specialization requirements:

- 4.5 COIS credits consisting of COIS 3030H, 3040H, 3050H, 3320H, 3380H, 3420H, 4000Y and COIS – ADMN 3850H
- 1.0 COIS credit in addition to the above at the 3000- or 4000-level

Please consult the academic timetable, available through myTrent, for information on courses that will be offered in 2011–2012 including when they will be scheduled.

COIS 1010H – The digital world

Digital systems have redefined how we work, communicate and play: just think about the World Wide Web, mobile camera phones, video games and e-business. Core topics examine the underlying technologies of both computing and information systems and how they have become an integral and indispensable part of our daily lives. Excludes COSC 101H, 151H.

COIS 1020H – Programming for computing systems

Programming for computing systems requires a solid foundation in the software development process, including algorithmic design, abstraction, implementation, testing and documentation. Core topics include sequencing, selection, iteration, simple data types, expressions and arrays, as well as the object-oriented notions of classes, methods, inheritance and polymorphism. Prerequisite: COIS 1010H (COSC 101H). Excludes COSC 102H.

COIS 1520H – Programming for information systems

Programming for information systems requires a solid foundation in the basic programming constructs and how programs interact with databases, networks and human users. Core topics include sequencing, selection, iteration, simple data types, expressions and arrays, as well as graphical user interfaces, database connectivity, programming for the Web and file management. Prerequisite: COIS 1010H (COSC 101H). Excludes COSC 152H.

COIS – ADMN 1620H – Introduction to information systems

Wherever and whenever information is required, an information system is also required. Core topics include the use of information systems for strategic advantage, their basic underlying technologies, the types of information systems and how they are constructed, managed and replaced, as well as their ethical and legal use. Prerequisite: COIS 1010H (COSC 101H). Excludes COST – ADMN 162H, 261H.

COIS 2020H – Data structures and algorithms

Data structures define how data are represented, whereas algorithms define how the data structures are manipulated. Core topics include the concepts of encapsulation, information hiding, inheritance and time complexity, as well as dynamic arrays, linked lists, binary heaps, hash tables, binary search trees, balanced trees, adjacency lists/matrices and sorting. Prerequisite: COIS 1020H (COSC 102H). Recommended: MATH 1350H (135H). Excludes COSC 202H.

COIS – MATH 2180H – Introduction to numerical and computational methods (see Mathematics)

COIS 2240H – Software design and modelling

Good software design and modelling is a necessary prerequisite for the production of software which is correct, robust and maintainable. Using the standard Unified Modeling Language (UML) to specify design, core topics include classes and class membership; aggregation, composition and inheritance; virtual classes and polymorphism; exception handling; and templates. Prerequisite: COIS 1020H (COSC 102) or COIS – ADMN 2620H (COST – ADMN 262H). Excludes COSC 362H.

COIS – PHYS 2250H – Electronics (see Physics & Astronomy)

COIS 2300H – Computer organization

Computer organization is the level of abstraction between the digital logic and the operating system. At this level, computing subsystems refer to hardware pieces built from lower-level building blocks. Core topics include the central processing unit, memory hierarchy and input/output organization. Topics are supplemented with assembly language programming. Prerequisite: COIS 1020H (COSC 102H) or COIS 1520H (COSC 152H). Excludes COSC 230H, 230.

COIS – PHYS 2310H – Computational physics (see Physics & Astronomy)**COIS 2320H – Digital logic**

Digital logic describes how computer hardware actually works at the logic gate and circuit level. Core topics include Boolean algebra, Karnaugh maps, the minimization of Boolean functions and the design of combinational and sequential circuits including adders, decoders, multiplexers, flip-flops and memory circuits. Prerequisite: COIS 1020H (COSC 102H). Excludes COSC 232H, 230.

COIS – PHIL 2410H – Symbolic logic (see Philosophy)**COIS – MATH 2600H – Discrete structures (see Mathematics)****COIS – ADMN 2620H – Systems analysis and design**

Systems analysis and design identifies the informational needs/resources of an organization and specifies appropriate information systems to meet the needs and exploit the resources for strategic advantage. Core topics include the current methodologies, techniques and tools used for both the analysis and design. Managerial and organizational issues are also discussed. Prerequisite: COIS – ADMN 1620H (COST – ADMN 162H). Excludes COST – ADMN 262H.

COIS – FRSC 2750H – Computer crime and forensics

Computer crime is the fastest-growing area of illegal activity in the world. Users beware! Core topics include the various types of computer crime including Internet scams, phishing, pharming, identity theft and sexual predation, as well as the forensic techniques used to follow-up on e-evidence and to prevent victimization. Recommended: COIS 1010H (COSC 101H). Excludes COSC 275H.

COIS 2800H – Digital culture

Interactive digital technology and the convergence of computing, communications, public media and entertainment have had profound cultural implications. Core topics address current concerns such as the World Wide Web, multimedia design, virtual spaces, social domains and the blogosphere. Recommended: COIS 1010H (COSC 101H). Excludes COST 280H. This course cannot be counted as a science credit.

COIS 2830H – Multimedia and design

Computers today have been transformed into multimedia machines: consider iPods and digital cameras. Hence, good design is more important than ever. Adopting the perspective of the comprehensive designer à la Buckminster Fuller, a critical examination of the design of everyday objects helps us to detect flaws in software design itself. Recommended: COIS 1010H (COSC 101H). Excludes COST 283H.

COIS 3030H – Software specification and development

The development of large software systems relies on sound methodologies and techniques to manage the inherent complexity and to produce quality software which satisfies the client or customer. Core topics include various software development paradigms and their usage, as well as the importance of feasibility studies, requirements analysis and specification. Prerequisite: COIS 2020H (COSC 202H) or COIS – ADMN 2620H (COST – ADMN 262H). Excludes COSC 303H, 304H.

COIS 3040H – Software architecture and testing

Software architecture is concerned with the high-level design, interface and relationship among all components that make up a software system. Testing ensures that these components work properly on their own and within an integrated system. Core topics include architecture description languages, as well as maintenance strategies and various testing methodologies. Prerequisite: COIS 2020H (COSC 202H), COIS 2240H (COSC 362H) and COIS 3030H (COSC 303H). Excludes COSC 304H, 401H.

COIS 3050H – Formal languages and automata

Formal languages and automata are the underlying theoretical foundations of computer science. Core topics include regular languages and finite automata, context-free languages and pushdown automata, the Turing machine and its languages. Real world applications, unsolvable problems and their relevance to the semantics of programming are also discussed. Prerequisite: COIS 1020H (COSC 102H). Recommended: COIS – MATH 2600H (COSC – MATH 260). Excludes COSC 305H.

COIS – PHYS 3200Y – Electricity and magnetism (see Physics & Astronomy)**COIS – MATH 3210H – Mathematical cryptography (see Mathematics)**

COIS 3320H – Fundamentals of operating systems

An operating system is the software component of a computing system which is responsible for the management and accessibility of the hardware resources. Core topics include process management, synchronization, processor allocation, primary and secondary storage management, file management, security and user interfaces. Topics are illustrated using contemporary operating systems.

Prerequisite: COIS 2020H (COSC 202H) and COIS 2300H (COSC 230H). Excludes COSC 332H.

COIS – MATH 3350H – Linear programming (see Mathematics)**COIS – PHIL 3370H – Cyberethics (see Philosophy)**

This course cannot be counted as a science credit.

COIS 3380H – Systems programming

Systems programming produces software which provides services to the computer hardware. Using systems programming techniques in a Unix-style environment and using machine-oriented programming languages such as C/C++, core topics include procedural programming, shell programming, pipes, file processing, system calls, signals and basic network programming. Prerequisite: COIS 2300H (COSC 230H). Recommended: COIS 2020H (COSC 202H). Excludes COSC 338H.

COIS 3400H – Database management systems

A database is a structured collection of data, whereas a database management system facilitates the creation, querying and maintenance of databases. Core topics include the relational model, entity-relationship diagrams, relational algebra, SQL, database application development, storage and indexing and normalization. Topics are illustrated using a relational DBMS. Prerequisite: COIS 1020H (COSC 102H) or COIS – ADMN 2620H (COST – ADMN 262H). Excludes COSC 340H.

COIS – PHIL 3410H – Logics and logical theories (see Philosophy)

This course cannot be counted as a science credit.

COIS 3420H – Web application development

The development of Web applications is an integral component of software development in an Internet-based world. Core topics include front-end design, client-side scripting, server-side programming, database connectivity, data persistence, security, extensible mark-up, usability and accessibility. Prerequisite: COIS 1020H (COSC 102H) or COIS 1520H (COSC 152H). Recommended: COIS 3400H (COSC 340H). Excludes COSC 342H.

COIS 3560H – Human-computer interaction

The study of human-computer interaction incorporates ideas from computer science, behavioural science, and design to improve interaction between people and computers. Core topics include multidisciplinary, intuitive design, computer-supported co-operative education/work, ubiquitous computing, prototyping, collaboration, social interaction, augmented reality, haptics, heuristics, interfaces, workstation independence. Prerequisite: 5.0 university credits. Excludes COIS 3950H.

COIS 3580H – Interface design and implementation

In the current drag-and-drop computing culture, a good user interface is as important as solid functionality in making a successful software product. Core topics include human-computer interaction, designing usable interfaces, interface events, windows, dialogs and inputs, as well as an introduction to APIs and Frameworks for creating graphical user interfaces. Prerequisite: COIS 2020H (COSC 202H) or both COIS 1520H (COSC 152H) and COIS – ADMN 2620H (COST – ADMN 262H). Excludes COSC 358H.

COIS 3600H – Advanced systems theory

Conceptualizing the world in terms of systems helps us to understand the world better. Understanding computing and information systems helps us to perceive other large-scale systems around us. Emphasizing a 'holistic' systems approach to problem-solving, core topics include general systems theory, cybernetics and system dynamics. Prerequisite: COIS – ADMN 2620H (COST – ADMN 262H). Excludes COSC 360H.

COIS – ANTH 3745H – Virtual worlds: The anthropology of online communities (see Anthropology)

This course cannot be counted as a science credit.

COIS – ADMN 3750H – Online business principles

Businesses today must effectively leverage the Internet and develop an online strategy which complements their traditional business practices. Core topics include website best practices, online marketing and customer relationships, positioning businesses online, and social networking for small and large enterprises. Topics are consolidated with a professional business proposal. Prerequisite: COIS – ADMN 1620H (COST – ADMN 162H). Excludes COST – ADMN 375H.

COIS 3820H – History and impact of computing

The history of digital computation is relatively recent, but all around us. By introducing the key people whose insight, inventiveness and industry have defined the Digital World, a framework is developed within which all students can appreciate the fundamental milestones of computing and their impact on the world. Prerequisite: COIS 1010H (COSC 101H). Excludes COSC 382H.

COIS – ADMN 3850H – Fundamentals of project management

Project management focuses on the practical realities of getting things done with limited time and resources according to specifications determined by others. Core topics include proven organizational frameworks, planning strategies and control parameters for the purpose of establishing clear objectives with successful outcomes. The life-cycle of systems is also considered. Prerequisite: COIS 2240H (COSC 362H) or COIS – ADMN 2620H (COST – ADMN 262H).

COIS 4000Y – Software engineering project

The software engineering project is a capstone course and provides students with the practical experience in the analysis, design, implementation, testing and documentation of a real-world software product. Working as a team with clients, the project draws substantially on the theoretical knowledge gained in all previous COIS courses. Prerequisite: COIS 3040H (COSC 304H) and COIS 3850H. Recommended: COIS 3400H (COSC 340H) and COIS 3420H (COSC 342H). Excludes COSC 400, 402.

COIS 4050H – Advanced algorithms

Algorithmic techniques provide generalized approaches to solving a wide variety of problems, whereas algorithmic analysis provides the basis of comparison among different solutions. Core topics include the algorithmic techniques of divide-and-conquer, dynamic programming and greedy algorithms, as well as the analytical techniques of problem classification, asymptotic analysis and recurrence relations. Prerequisite: COIS 2020H (COSC 202H) and either COIS – MATH 2600H or COSC – MATH 260. Excludes COSC 300H, 405H.

COIS 4100H – Comparative programming languages

Evaluating and selecting the most appropriate programming language for an application is a critical step in software development. Core topics include the types of programming languages as well as the principle design and implementation issues for control structures, data types, subprograms, exception handling and concurrency. Prerequisite: COIS 2020H (COSC 202H) and one COIS credit at the 3000- or 4000-level. Excludes COSC 410H.

COIS – MATH 4215H – Mathematical logic (see Mathematics)**COIS – MATH 4216H – Computability (see Mathematics)****COIS 4310H – Computer networks**

A computer network links together two or more computers to enable the transfer of data. Core topics include data communication, network hardware and software, network architecture and protocols, local area and wide area networks, end-to-end routing protocols, wireless networks, Quality of Service, multimedia support and network management. Prerequisite: COIS 3320H (COSC 332H). Excludes COSC 431H.

COIS 4320H – Distributed systems

A distributed system is a collection of two or more autonomous computing systems which are linked together by a computer network and equipped with software to coordinate hardware, software and data resources. Core topics include distributed architectures, communication via message passing, synchronization, distributed file systems, replication, fault tolerance and security. Prerequisite: COIS 3320H (COSC 332H). Excludes COSC 432H.

COIS 4350H – High performance computing

High performance computing is the use of advanced computer architectures to solve problems which require significant processing power, memory access, or storage. Core topics include advanced computer architectures, programming for shared and distributed memory machines, networking issues, caching, performance evaluation and parallel algorithms. Topics are supplemented with case studies. Prerequisite: COIS 3320H (COSC 332H). Excludes COSC 435H.

COIS 4400H – Data mining

Data mining is the extraction of previously unknown and potentially useful patterns from large data sets. Core topics include the statistical foundations of data mining, sampling mechanisms, missing data, clustering, classification and outlier detection. Case studies cover a wide variety of applications such as astronomy and marketing. Prerequisite: 1.0 COIS credit at the 3000- or 4000-level and either COIS 2020H (COSC 202H) or COIS – ADMN 2620H (COST – ADMN 262H).

COIS 4470H – Modelling and simulation

Modelling and simulation enables us to construct mathematical or computer-based representations of real-world phenomena. Three steps are typically followed: modelling the key parameters, implementing a program to simulate behaviour and analyzing the results. Core topics include pseudo-random number generation, discrete-event and next-event simulation, output analysis and queuing theory. Prerequisite: MATH 1550H (155H) and COIS 2020H (COSC 202H). Excludes COSC 347H, 447H.

COIS 4550H – Artificial intelligence

Artificial intelligence is the study of those techniques which create perceptions of “machine intelligence.” Topics may include, but are not limited to, heuristic search, automated reasoning, knowledge representation and acquisition, expert systems and neural networks. Topics are supplemented with exercises in functional or logical programming. Prerequisite: COIS 2020H (COSC 202H) and 1.0 COIS credit at the 3000- or 4000-level. Excludes COSC 355H, 455H.

COIS 4850H – Information systems project

The information systems project is a capstone course and provides students with the practical experience in the analysis and design (but not implementation) of a real-world information system. Working as a team with clients, the project draws substantially on the theoretical knowledge gained in all previous COIS courses. Prerequisite: COIS – ADMN 2620H (COST – ADMN 262H), COIS 3030H (COSC 303H) and COIS 3850H. Recommended: COIS 3400H (COSC 340H).

COIS 4900Y, 4901H, 4902H – Advanced reading course

Students are required to submit a course proposal and have it approved by the departmental Curriculum Committee before enrolling.

Computing Systems & Physics

Program Coordinators**Chair of Computing & Information Systems**

B. G. Patrick, B.C.S. (Concordia), M.Sc. (Queen's), Ph.D., M.B.A. (McGill)

Chair of Physics & Astronomy

D. R. Patton, B.Math. (Waterloo), Ph.D. (Victoria)

Professors

See listing of faculty in Computing & Information Systems, Mathematics, and Physics & Astronomy

This program is designed to meet the needs of students interested in electronic, hardware, and interfacing aspects of computers, which are based on fundamental principles of physics and mathematics.

BACHELOR OF SCIENCE PROGRAM IN COMPUTING SYSTEMS & PHYSICS

- See [p. 28](#) for requirements which apply to all undergraduate degree programs.
- The Honours program in Computing Systems & Physics is a sequence of courses offered by the departments of Computing & Information Systems, Mathematics, and Physics & Astronomy that compose an integrated whole.
- There is no minor in Computing Systems & Physics.
- There is no joint-major program in Computing Systems & Physics.
- For more information on individual courses, see calendar entries for Computing & Information Systems, Mathematics, and Physics & Astronomy.

The Honours program. 20.0 credits including the following 15.0 credits:

- 3.5 COIS credits consisting of COIS 1010H, 1020H, 2020H, 2300H, 2320H, 3320H and 3380H (COSC 101H, 102H, 202H, 230H, 232H, 332H and 338H)
- 1.0 COIS credit from COIS 4310H, 4320H or 4350H (COSC 431H, 432H or 435H)
- 0.5 COIS credits from COIS 3400H (COSC 340H), COIS 4400H or 4470H (COSC 447H)
- 4.5 MATH credits consisting of MATH 1100Y (110) or 1101Y, 1350H (135H), 1550H (155H), 2110H (201H), 2120H (202H), MATH – COIS 2600H (MATH – COSC 260), MATH – PHYS 2150H (205H) and 3150H (305H)
- 4.0 PHYS credits consisting of PHYS 1001H and 1002H (1000Y or 100), 2610H (202H), 2620H (203H), 4600Y (400) and PHYS – COIS 3200Y (or PHYS – COIS 3210 or PHYS – COSC 321)
- 0.5 PHYS credits from PHYS – COIS 2250H or 2310H (PHYS – COSC 225H or 231H)
- 1.0 PHYS credit from PHYS 4220H (421H), 4240H (424H), 4310H (431H), 4410H (441H), 4510H (450H) or 4700H (470H)

Cultural Studies

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Associate Professor and Chair of the Department

V. de Zwaan, B.A. (Trent), M.A. (McGill), Ph.D. (Toronto)

Professors

E. D. Ermarth, B.A. (Carleton College), M.A. (Berkeley), Ph.D. (Chicago) (*on leave 2011-2012*); **J. Fekete**, M.A. (McGill), Ph.D. (Cambridge) (*on leave 2011-2012*); **V. Hollinger**, M.A. (Concordia), M.Ed. (Newcastle-upon-Tyne), Ph.D. (Concordia); **A. O'Connor**, B.A. (Trinity College, Dublin), M.A., Ph.D. (York); **D. Torgerson**, B.A. (California-Berkeley), M.E.S. (York), M.A., Ph.D. (Toronto)

Canada Research Chair and Associate Professor

D. Panagia, B.A. (Manitoba), M.Litt. (Oxford), M.A., Ph.D. (Johns Hopkins)

Associate Professors

Z. Baross, B.A. (UBC), M.A. (London), Ph.D. (Amsterdam) (*on leave Winter term*); **J. Bordo**, B.A. (McGill), M.A. (Alberta), M.Phil., Ph.D. (Yale) (*on leave Fall term*); **I. Junyk**, B.A. (Western), M.A. (Queens), Ph.D. (Chicago); **J. Penney**, B.A., M.A. (Alberta), Ph.D. (Duke)

Professors Emeriti

R. J. Dellamora, A.B. (Dartmouth College), B.A. (Cambridge), M.Phil., Ph.D. (Yale); **S. Kane**, B.A. (Carleton), M.A., Ph.D. (Toronto); **I. McLachlan**, M.A. (Oxford); **D. Smith**, M.A., D.Phil. (Oxford); **A. Wernick**, B.A., M.A. (Cambridge), M.A., Ph.D. (Toronto)

The department offers study in the nature and criticism of culture and the arts, chiefly literature, film, theatre, music, and the visual arts, in the light of guided interdisciplinary enquiry into the social conditions in which thought and expression take shape. The department as a whole provides the kind of academic experience which may have pre-professional value to a cultural and social critic or to a teacher of literature, drama or the arts who wishes to emphasize workshop experience in future teaching. This combined focus on practical and speculative approaches is realized in courses whose overall concern is for the way in which theoretical understandings inform as they are informed by actual practice by artists, critics and thinkers in different conditions. The focus is preserved on the level of term-work in that actual production experience or critical work in cultural activity is recommended as a way of sustaining a reflection on cultural problems and conditions in Canada and elsewhere.

Notes

- Students who wish to take an upper-level Cultural Studies course in first year must obtain the permission of the instructor and of the chair of the department.
- 2000- or 3000-level courses are open to any student having completed the equivalent of 4.0 university credits, subject only to the conditions specified below in the descriptions of certain individual courses.
- Students who have fulfilled the requirements for a single-major Honours degree in another subject may apply to the Office of the Registrar for a minor in Cultural Studies, if they have met the requirements for the joint-major General degree (see below).

BACHELOR OF ARTS PROGRAM IN CULTURAL STUDIES

- See [p. 28](#) for requirements which apply to all undergraduate degree programs.
- The same course may not simultaneously satisfy the requirements of both programs in a joint-major degree.
- The following courses are recommended for first-year students who are considering a major in Cultural Studies: AHCL 2300Y, ENGL 1000Y (or 1003H and 1005H), HIST 1200Y (120), PHIL 1001Y (101), SOCI 1000Y (100) and any of the 1000-level language courses in the department of Modern Languages & Literatures.
- Cultural Studies majors have the option of pursuing a comprehensive Cultural Studies degree or a Specialization in a particular area of concentration (A. Image, Sound, & Performance [the Arts cluster]; B. Writing & Narrative [the Comparative Literature cluster]; C. Film, Video, & Media [the Mass Media cluster]; D. Social Thought [the Social and Cultural Theory cluster]). The transcripts of students graduating with a degree in Cultural Studies, who have successfully completed the requirements of one of the Specializations, will contain the notation "with a Specialization in [the appropriate Specialization]." For courses offered within Specializations, see below:

A Image, Sound & Performance	B Writing & Narrative	C Film, Video & Media	D Social Thought
2016Y (216)	2022Y (222)	2209Y/2201H (or 220)	2050Y (250)
2045Y (245)	2025Y (225)	2035Y (235)	2060Y/2560H (260)
2070Y (270)	2029Y (229)	2080Y (280)	2065Y (265)
2111Y (211)	2126Y (226)	3032Y (332)	3050Y/3550H (350)
2117Y (217)	3022Y (322)	3080Y (380)	3570Y (357)
3015Y (305)	3025Y (325)	3081Y (381)	4050Y/4550H (450)
3016Y (315)	3029Y (329)	3185Y (385)	4065Y (4650Y)
3045Y (345)	3055Y (355)	4035Y (435)	4950Y
3056Y (356)	4025Y (425)	4080Y (480)	
3070Y (370)	4029Y (429)		
3111Y (311)	4124Y (424)		
3146Y (346)			
3175Y (375)			
4015Y/4515H			
4070Y (470)			

- Workshop courses (2111Y, 2117Y, 3111Y, 3146Y, 3175Y and 3185Y) are open only to students in the single-major or joint-major program in Cultural Studies or to students who have taken or are taking concurrently a text-based course in the field of the workshop course or by permission of the instructor.
- 4000-level courses are normally limited to students in the Honours Cultural Studies department, who have completed the equivalent of 14.0 university credits. However, Cultural Studies majors may petition the department to enrol in a 4000-level course as part of a General program.
- Reading courses are available as CUST 3900Y, 3901H, 3902H, 4900Y, 4901H and 4902H. Registration in reading courses is contingent on permission of the instructor and of the chair of the department before registering. The deadline for submission of an outline is March 31 for reading courses to begin in the next Fall term and November 30 for reading courses to be taken in the Winter term. Students wishing to take more than 1.0 CUST reading course must petition the department chair.
- For detailed information about special topics courses, students should attend the Honours information session scheduled in the Spring or visit the department office at that time for an Honours information brochure.

The single-major Honours program. 20.0 credits including the following 9.0 credits:

Specialization option

- 1.0 CUST credit consisting of CUST 1000Y (100)
- 4.0 CUST credits in the Specialization
- 4.0 CUST credits, at least one from one other Specialization category
- at least 2.0 of the 9.0 credits must be at the 4000-level

Comprehensive option

- 1.0 CUST credit consisting of CUST 1000Y (100)
- 2.0 CUST credits from one Specialization category
- 2.0 CUST credits from a second Specialization category
- 1.0 CUST credit from a third Specialization category
- 3.0 CUST credits in addition to the above
- at least 2.0 of the 9.0 credits must be at the 4000-level

The joint-major Honours program. 20.0 credits including the following 7.0 credits:

Specialization option

- 1.0 CUST credit consisting of CUST 1000Y (100)
- 4.0 CUST credits in the Specialization
- 2.0 CUST credits, at least one from one other Specialization category
- at least 2.0 of the 7.0 credits must be at the 4000-level

Comprehensive option

- 1.0 CUST credit consisting of CUST 1000Y (100)
- 2.0 CUST credits from one Specialization category
- 2.0 CUST credits from a second Specialization category
- 1.0 CUST credit from a third Specialization category
- 1.0 CUST credit in addition to the above
- at least 2.0 of the 7.0 credits must be at the 4000-level

The single-major General program. 15.0 credits including the following 6.0 credits:

Specialization option

- 1.0 CUST credit consisting of CUST 1000Y (100)
- 3.0 CUST credits in the Specialization
- 2.0 additional CUST credits, at least 1.0 from a different Specialization category

Comprehensive option

- 1.0 CUST credit consisting of CUST 1000Y (100)
- 3.0 CUST credits, each from a different Specialization category
- 2.0 CUST credits in addition to the above

The joint-major General program. At least 5.0 credits in CUST, including:

Specialization option

- 1.0 CUST credit consisting of CUST 1000Y (100)
- 3.0 CUST credits in the Specialization
- 1.0 CUST credit from a different Specialization category

Comprehensive option

- 1.0 CUST credit consisting of CUST 1000Y (100)
- 3.0 CUST credits, each from a different Specialization category
- 1.0 CUST credit in addition to the above

The minor in CUST consists of the following 5.0 credits:

Specialization option

- 1.0 CUST credit consisting of CUST 1000Y (100)
- 3.0 CUST credits in the Specialization
- 1.0 CUST credit from a different Specialization category

Comprehensive option

- 1.0 CUST credit consisting of CUST 1000Y (100)
- 3.0 CUST credits, each from a different Specialization category
- 1.0 CUST credit in addition to the above

Please consult the academic timetable, available through myTrent, for information on courses that will be offered in 2011–2012 including when they will be scheduled.

CUST 1000Y – Introduction to the study of modern culture

Introduction to the interpretation and foundations of modern culture. Examines the problem of how to make sense of art works and other forms of cultural expression, both as texts and as practices in a context. What distinguishes 20th-century culture from, and what connects it to, the tradition of modern culture as a whole? Field trip and/or event fee: \$50. Excludes CUST 100.

CUST 2016Y – Introduction to visual studies

A communications approach in aesthetic theory for the study of the visual arts, images and sites. The course considers ritual, mnemonic, architectural and sculpture sites in preparation for addressing modern picturing from its extraordinary emergence in Renaissance art and science to its hyperbolic technologization in photographic, filmic, televisual and digital media. Field trips. Fees between \$40 to \$70. Prerequisite: 4.0 university credits. Excludes CUST 216.

CUST 2022Y – Culture in the novel

Considering the historical development of the novel from the 18th-century Enlightenment to contemporary postmodernism, this course examines the novelistic form as a complex site that both reflects and challenges its social, political, and cultural contexts. Readings include Flaubert, Dostoevsky, Pynchon, Rushdie, Sebald, Stendhal. Prerequisite: 4.0 university credits. Excludes CUST 222.

CUST 2025Y – Oral narrative

The world of voice, oral thought, the spoken story, and literature without texts. Emphasizing myth and wondertale, the course serves students of creative writing and theatre, world literature, and teachers seeking to recreate the oral conditions of learning in their classrooms. Prerequisite: 4.0 university credits. Excludes CUST 225.

CUST 2027Y – Noir images of crime

The cultural circulation of noir images in fiction, film, and other sites – examined in relation, e.g., to criminality and justice, law and order, power and resistance, agency and action. Key attention to Hammett and Chandler, plus others such as Himes, Thompson, Mosley, Paretsky, Ellroy, Huston, Wilder, Polanski, the Coen brothers. Prerequisite: 4.0 university credits. Excludes: CUST 3953Y.

CUST – ENGL 2029Y – Science fiction

Introduction to the history, theory and representative works and authors of science fiction, from Shelley and Wells to Dick, Le Guin, and Gibson. Will examine stories of alternate worlds, technoculture, and space adventure, including cyborgs, alien encounters, non-contemporary earth life and human destiny. Prerequisite: 4.0 university credits. Excludes CUST – ENGL 229.

CUST 2035Y – Media and society

Introduction to the history, sociology and critical interpretation of contemporary mass-communicated culture, both as an overall formation and with reference to such specific elements as the newspaper press, advertising, network TV and recorded popular music. Prerequisite: 4.0 university credits. Excludes CUST – SOCI 240, CUST 235.

CUST 2045Y – Music and society

An introduction to music as cultural practice, exploring formulations of the relationship between music and society offered by ethnomusicology, sociology, semiotics and feminist theory. Emphasis is placed on the development of listening skills through engaging with a variety of musical texts/practices from Western art music, popular music and world music traditions. No formal background in music required. Field trip fee: \$45. Prerequisite: 4.0 university credits. Excludes CUST 245.

CUST 2050Y – Civilization and human nature

An introduction to the thought of several of the founders of modern social and cultural theory including Marx, Nietzsche and Freud. Such topics explored as ideology and illusion, reason and eros, individualism and alienation, and the idea of progress. Prerequisite: 4.0 university credits. Excludes CUST 250.

CUST 2060Y/2560H – The making of the modern body

Focuses upon modernity's relation to the body as project and work site. Examines the expression and experience of (post)modern subjectivity, and the burgeoning of body in various media. Feminist criticism, film theory, psychoanalysis and social theory will explore the modern body as a site of power (relations), desire, signification, subjection and subjectification. Prerequisite: 4.0 university credits. Excludes CUST 260. Students may take only one of 2060Y or 2560H for credit.

CUST – WMST 2065Y – Sex/sexuality/sexual difference

An interdisciplinary introduction to feminism and queer theory which explores the problematic of sexual identity. Through considerations of theoretical and artistic texts we will explore what we mean when we refer to someone's sex, gender, or sexuality as well as the social, political, and ethical implications of these terms. Prerequisite: 4.0 university credits. Excludes CUST – WMST 265.

CUST 2070Y – History and theory of theatre

An introduction to theatre as both a performing art and a means of cultural expression. Examines Western theatrical practice and dramatic theory from Classical Greek tragedy to late 19th-century realism. Topics include acting styles, theatre design, the audience and the institution of theatre in relation to religion, morality and politics. Prerequisite: 4.0 university credits. Excludes CUST 270.

CUST 2080Y – History and theory of the cinema

An introduction to critical interest in the cinema through texts representing film movements and major trends in film theory. Films from around the world and critical studies on the medium,

apparatus, institution and spectator, will help us consider a technologized visuality, the production of meaning and pleasure, and the politics of criticism. Field trips fee: \$10. Prerequisite: 4.0 university credits. Excludes CUST 280.

CUST 2111Y – Drawing

A basic drawing course exploring techniques and ideas in the visual arts. Historical and contemporary issues are examined through practical hands-on experiences. Art materials fee: \$75. Limited enrolment. Prerequisite: 4.0 university credits or permission of instructor. Co-requisite: CUST 2016H (216). Excludes CUST 211.

CUST – WMST 2209Y/2210H – Women and popular culture (see Gender & Women's Studies)**CUST – CAST – INDG 2300Y – An introduction to key concepts and issues in post-colonial theory (see Indigenous Studies)****CUST 3015Y – Modernism and the avant-garde**

This course examines one of the most important cultural movements of the 20th century – Modernism. It traces this movement from its genesis in the dynamic city culture of the *fin de siècle*, to its embodiment in avant-garde art, literature, and cinema, and concludes by considering its problematic transition into postmodernism. Prerequisite: 4.0 university credits. Excludes CUST 305.

CUST 3022Y – Experimental fiction

The course traces an international "tradition" of modern and contemporary experimental texts, focusing on such figures as Proust, Joyce, Kafka, Borges, Calvino, Nabokov, Cortázar, and Rushdie. Individual works are related to theories of narrative and cognate developments in other arts which help to place them in both aesthetic and cultural contexts. Prerequisite: 4.0 university credits. Excludes CUST 322.

CUST 3025Y – Literary and critical theory

A study of ideas about the nature and function of literature, interpretation and evaluation. Contemporary theoretical models, including Lukács, Barthes, Foucault, Cixous, and Homi Bhabha, will be considered in the tradition of Plato, Aristotle, Sidney, Coleridge, Shelley, Eliot, Richards, and Frye. Prerequisite: 4.0 university credits. Excludes CUST 325, 425, 4025Y.

CUST – ENGL 3029Y – Utopia (future fiction)

A study of the speculative social imagination in utopian and anti-utopian literature of Western modernity. Will examine the narrative construction of equality, progress, gender, identity, technoculture, globalization, and cultural politics from More and Bacon in the Renaissance to Orwell, Piercy, and Lem in contemporary science fiction. Prerequisite: 4.0 university credits. Excludes CUST – ENGL 329.

CUST – IDST 3032Y – Media and development

The uses of media for development; problems of global mass media; the Internet and the digital divide; and alternative media such as community radio. Emphasis on culture and mass media in Latin America, but some discussion of other parts of the developing world. Prerequisite: 4.0 university credits. Excludes CUST – IDST 332.

CUST 3045Y – World music

Through a focus on African and Afro-diasporic musics (from West African drumming to blues, and calypso) we will consider the problematics of "world music," a category that raises issues of globalization and hybridity. We will examine selected musical traditions, mapping the complex, interactive networks of musical performance, pleasure, and politics. Field trip fee: \$45. Prerequisite: 4.0 university credits including CUST 2045Y (245) or permission of the instructor. Excludes CUST 345.

CUST 3050Y/3550H – Studies in cultural theory

This seminar reflects on current issues in the political-ethical domain in the context of contemporary critical and cultural theory. The current focus of the course is violence and the law in the context of what is often called "the crisis of modern critical discourse." Prerequisite: 4.0 university credits. Excludes CUST 350, 450. Students may take only one of 3050Y, 3550H, 4050Y or 4550H for credit.

CUST 3055Y – Sexuality and textuality in queer cultural spaces

How sex(es) become texts and vice-versa, focusing on the representation and experience of transgender and transsexuality from Victorian sexology, through Virginia Woolf and Radclyffe Hall to contemporary fiction by Leslie Feinberg and theory by Jay Prosser; the cultural politics of AIDS; and postmodern transformations of ballet and opera in video. Prerequisite: 4.0 university credits. Excludes CUST – ENGL 355.

CUST – CAST 3056Y – Landscape, wilderness and the environmental witness

Beginning with the question, What is landscape? the course considers wilderness as a symbolic form with special attention to modern and Canadian landscape art and the writings of Henry David Thoreau. A course fee of \$60 for field excursions. Prerequisite: 4.0 university credits. Excludes CUST – CAST 356.

CUST 3070Y – Theatre in the 20th century

Investigates the changing roles of 20th-century playwrights, performers and audiences, including attention to the social, political and aesthetic implications of modernity and postmodernity. Examines the theories and practices of, among others, Stanislavski, Brecht, Artaud, Pirandello, Beckett, Churchill and Wertebaker. Prerequisite: 4.0 university credits. Excludes CUST 370.

CUST 3080Y – Text and image in visual culture

Examines the relation between the word and the image as discussed in cultural theory and made manifest in literature, painting and the cinema. Prerequisite: 4.0 university credits. Excludes CUST 380, 480, 4080Y.

CUST 3081Y – World cinema

This course offers a wide-ranging exploration of world cinema from diverse theoretical perspectives. We will examine associated notions (third cinema, national cinema, guerrilla cinema, counter-cinema) that articulate the cinema's relation to society and politics, as well as theories of the cinema as medium or apparatus, including semiotic, psychoanalytic and phenomenological approaches. Prerequisite: 4.0 university credits. Excludes CUST 381.

CUST 3087Y – Community-based research project

Students are placed in research projects with community organizations in the Peterborough area. Each placement is supervised jointly by a faculty member and a representative of a community organization. For details see "Community-Based Education Program" ([p. 245](#)). Prerequisite: 10.0 university credits and 75% cumulative average.

CUST 3111Y – Visual arts studio: Form, process, object (and image)

An introductory studio exploring the making of two and three dimensional works using a variety of materials and techniques. Emphasis is placed on the free exploration of material and concepts, with attention to space, form, image, scale and site. Limited enrolment. Art materials fee: \$75. Prerequisite: 4.0 university credits or permission of instructor. Co-requisite: CUST 2016Y (216), 3015Y (305) or 3016Y (315). Excludes CUST 311.

CUST 3146Y – Audio/music production and performance workshop

A collaborative workshop in basic practical sound production and performance skills relating to music and audio art. Production aspects address recording technologies, radio art and sound ecology. Performance techniques include vocal and instrumental work, stage presentation, and composition. Workshop fee: \$40. Prerequisite: 4.0 university credits including CUST 2045Y (245) or 3045Y (345), or permission of instructor. Excludes CUST 346.

CUST 3175Y – Theatre workshop: Staging ideas

A practical course in modern acting with a focus on methods of performance in works that dramatize ideas and the conflicts between them. Workshop fee: \$50. Limited enrolment. Prerequisite: 4.0 university credits including CUST 2070Y (270) or 3070Y (370) or permission of instructor. Excludes CUST 375.

CUST 3185Y – Film workshop

Students carry out a series of visual exercises in photography and Super-8 film and then complete a short 16mm film. Depending on the instructor, the emphasis may be on documentary or experimental filmmaking. A course fee of \$100 for course materials is required. Prerequisite: 4.0 university credits, and pre- or co-requisite: any film or mass media course. Excludes CUST 385.

CUST – POST 3570Y – Cultural politics (see Political Studies)**CUST 3900Y, 3901H, 3902H – Reading course**

A course of individual study supervised by a faculty member. The proposed syllabus requires permission of the instructor and of the chair of the program prior to registering in the course. Proposals should be submitted by March 31 for reading courses to begin in the following Fall term, and by November 30 for reading courses due to be taken in the Winter term.

CUST 4010Y, 4020D – Honours thesis

CUST 4020D is a double credit in Cultural Studies. CUST 4010Y is a single credit because the same thesis is submitted to the other department/program in a joint-major. A major research project leading to a thesis of about 15,000 words. Deadline for a thesis abstract and bibliography (signed by the thesis supervisor) is May 1 in the student's third year. Prerequisite: Open to Cultural Studies Honours students with 14.0 university credits completed or permission of instructor. Excludes 401, 402D.

CUST 4015Y/4515H – Art culture theory

An advanced seminar in visual cultural studies that is geopoetic in its study of aesthetically invested sites, whether as representations such as landscapes (pictures and texts), inscriptions as lieux (monuments and architecture) or as events (sojourns and rituals). The seminar meets for three hours weekly with occasional field trips. Prerequisite: open to Cultural Studies Honours students with 14.0 university credits or permission of the instructor. Excludes 495-1. Students may take only one of 4015Y or 4515H for credit.

CUST – ENGL 4025Y – Advanced studies in literary and critical theory

A consideration of literary and critical theories from Greek mimesis and Anglo-American literariness to post-structuralist, reader-response, feminist, queer, and post-colonialist theories. Figures to be studied include Plato, Aristotle, Sidney, Coleridge, Shelley, Eliot, Richards, Frye, Fish, Lukacs, Barthes, Foucault, Cixous, and Homi Bhabha. Prerequisite: Open to Cultural Studies Honours students with 14.0 credits completed or permission of instructor. Excludes CUST 325, 425, 3025Y.

CUST – ENGL 4029Y – Advanced studies in science fiction

Current topic: Speculative fiction and contemporary techno culture. Examines representations of the subject constituted in Western techno culture, including post-human configurations such as the robot, the cyborg, and artificial and virtual intelligence. Fictional and critical/theoretical speculations examine changing understandings of subjectivity, agency, the body, and community in the context of advanced technologies. Prerequisite: Open to Cultural Studies Honours students with 14.0 credits completed, including CUST – ENGL 2029Y (229) or 3029Y (329) or permission of instructor. Excludes CUST – ENGL 429.

CUST 4035Y – Advanced topics in mass media and popular culture

Theoretical perspectives on the history, economy and politics of selected aspects of mass media and popular culture. Previous topics have included zines and underground culture, and the work of Pierre Bourdieu. Prerequisite: Open to Cultural Studies Honours students with 14.0 credits completed or permission of instructor. Excludes CUST 435.

CUST 4050Y/4550H – Advanced studies in cultural theory

This seminar reflects on current issues in the political-ethical domain in the context of contemporary critical and cultural theory. The current focus of the course is violence and the law in the context of what has been called “the crisis of modern critical discourse.” Prerequisite: Open to Cultural Studies Honours students with 14.0 university credits or permission of the instructor. Excludes CUST 350, 450. Students may take only one of 3050Y, 3550H, 4050Y or 4550H for credit.

CUST – POST 4051Y – Theories of cultural politics

A focus on culture has emerged at the forefront of theoretical approaches to political resistance and contemporary social movements. This course combines a survey of developments with close readings of texts by key figures. A guiding topic throughout will be the scope and limits of a focus on culture. Prerequisite: Open to Cultural Studies Honours students with 14.0 credits completed or permission of instructor. Excludes CUST – POST 49510, 4510.

CUST 4065Y – The politics of love: Psychoanalysis and cultural studies

From the origins of psychoanalytic thought in Freud’s work its insights have been “applied” to the realm of culture. How does the unconscious mediate human creativity? Through focused encounters with film, literature and painting, this course provides an introduction to psychoanalytic theory in its relations to the study of culture. Prerequisite: Open to Cultural Studies Honours students with 14.0 credits completed or permission of instructor. Excludes CUST 49511, 4650.

CUST 4070Y – Advanced studies in theatre and the performing arts

Special topics have included: experimental directions taken by traditionally marginalized groups; parody and performance; the work of Bertolt Brecht; theories of subjectivity and narrative; performance theory and performance art; and genre experimentation. Prerequisite: CUST 2070Y (270) or 3070Y (370). Prerequisite: Open to Cultural Studies Honours students with 14.0 credits completed or permission of instructor. Excludes CUST 470.

CUST 4080Y – Advanced studies in film

Text and image in visual culture: examines the relation between the word and the image as discussed in cultural theory and made manifest in literature, painting and the cinema. Excludes CUST 3080Y (380). Prerequisite: Open to Cultural Studies Honours students with 14.0 credits completed or permission of instructor. Excludes CUST 380, 480, 3080Y.

CUST 4124Y – Creative writing and performance

Focusing on work-in-progress, this workshop combines one-to-one critiques with the instructor, group editing of an individual’s work, writing time, and the presentation of a piece of writing or performance monologue that serves as the basis of a reflection on writing in conditions of post-modernity. CUST 2025Y (225) or 2126Y (226) is a valuable pre- or co-requisite. Prerequisite: Open to Cultural Studies Honours students with 14.0 university credits completed or permission of instructor. Excludes CUST 424.

CUST 4900Y, 4901H, 4902H – Reading course

A course of individual study supervised by a faculty member. The proposed syllabus requires permission of the instructor and of the chair of the program prior to registering in the course. Proposals should be submitted by March 31 for reading courses to begin in the following Fall term, and by November 30 for reading courses due to be taken in the Winter term. Prerequisite: Open to Cultural Studies Honours students with 14.0 credits completed or permission of instructor.

Ecological Restoration

Application to the Ecological Restoration program is through the Ontario College Application Service: www.ontariocolleges.ca.

Telephone: 705-748-1011 ext. 7199
Fax: 705-748-1569

E-mail: twhillans@trentu.ca
Web: www.trentu.ca/ecologicalrestoration

Program Coordinator

T. Whillans, B.A. (Guelph), M.Sc., Ph.D. (Toronto)

Professors

See listing of faculty in Environmental & Resource Science/Studies Program.

Trent University, in collaboration with Fleming College, offers a Joint Degree-Diploma in Ecological Restoration.

The Trent-Fleming Ecological Restoration degree was created in response to growing global recognition of environmental disturbance and remediation and the need for a specialized set of skills and knowledge in the environmental sector. As an emerging field of expertise, ecological restoration is learned by direct engagement in the recovery of damaged and degraded ecosystems. The collaboration between Trent and Fleming involves the sharing of faculty, teaching, field study courses, applied projects and resources over the four years of the program.

Students spend their first two years at Fleming College's School of Environmental and Natural Resource Sciences in Lindsay, where they build science, planning and communications skills while practising ecological restoration through field courses and project work. Students then attend Trent University in Peterborough for the final two years of the program, where they can choose either to specialize or continue to balance theory and practice in a more broad-based degree program.

Students graduate at the end of year four with both a college diploma and university degree (B.Sc. Hons.) in Ecological Restoration.

Academic Progression

To progress successfully to Semester 2 of the joint program, students must achieve a 65% grade in the Semester 1 courses Environmental Science I and Critical Thinking and Communication.

The following progression requirements apply to students who entered the program in Fall 2008, Fall 2009, and Fall 2010: In order to progress to Year 3 of the program, students must have passed (50%) all courses in Year 1 and Year 2. In addition, they must have a 65% overall average in the "University-level" courses listed below:

- Environmental Science I & II
- Math I & II
- Introductory Chemistry I & II
- Introduction to Ecology
- Introduction to Plant Community Systematics
- Indigenous Environmental Studies I & II
- Methods in Environmental Science
- Readings in Environment and Restoration
- Restoration Ecology Field Course

The following progression requirements apply to students entering the program in Fall 2011 and beyond: In order to progress to Year 3 of the program, students must pass all courses and achieve a 70% overall program average in Years 1 and 2.

Note that credit given for Fleming courses does not include BIOL – ERSC 2260H; however, students will be given access to 3000-level and 4000-level courses that list it as a prerequisite.

FLEMING COLLEGE – Year 1 and Year 2**Semester 1 (Year 1)**

COMM131 – Critical thinking and communication
ECOS013 – Ecosystem skills
GEOM036 – Geospatial techniques (GIS)
MATH063 – Applied math in natural resource sciences
SCIE135 – Applied chemistry in ecological restoration
SCIE118 – Environmental science I

Semester 2 (Year 1)

COMM137 – Readings in environment and restoration
ECOS027 – Introduction to ecology
FSTY50 – Trees and shrubs of Ontario
GEOM021 – GIS principles
SCIE119 – Environmental science II
SCIE120 – Introductory chemistry I

Semester 3 (Year 2)

APST083 – Restoration ecology field camp
ECOS031 – Indigenous environmental studies I
FSTY075 – Introduction to plant community systematics
GEOL021 – Principles of hydrogeology
MATH086 – Math I
SCIE121 – Introductory chemistry II

Semester 4 (Year 2)

ECOS007 – Ecosystem monitoring and assessment
ECOS030 – Indigenous environmental studies II
GEOM41 – Remote sensing
MATH087 – Math II
SCIE136 – Methods in environmental science
SURV018 – Geomatics in surveying

TRENT UNIVERSITY – Year 3 and Year 4

- 3000- and 4000-level courses may be taken in either year, provided the prerequisites have been met.
- See listing of Recommended Elective Courses. Students are encouraged to take required course options not taken (i.e., 3300Y/3310Y and 3501H/3502H). Students are encouraged to explore other course offerings in the ERS Program, as well as those available across the range of Trent departments.

Trent University Required Courses

10.0 credits including the following:

- 1.0 ERST credit consisting of ERST – POST 2100H and ERST – CAST 3780H
- 1.0 ERSC credit from ERST – PHIL 3300Y or ERSC/ERST 3310Y
- 0.5 ERSC credit from ERSC 3501H or 3502H
- 1.0 ERSC credit consisting of ERSC 4520H and 4530H
- 0.5 credit for an approved field course at the 3000- or 4000-level
- 2.5 ERSC/ERST elective credits from the list below, at least 1.0 at the 4000-level
- 3.5 additional elective credits, at least 2.0 at the 3000- or 4000-level
- 3.5 of the 6.0 elective credits must be science credits

Recommended Elective Courses

ERSC – CHEM 2610H	ERSC/ERST 3830Y, 3840H, 4830Y, 4840H
ERSC – CHEM 2620H	ERSC/ERST 4010Y/4020D
BIOL 3050H	ERSC – BIOL 4030H
ERST 3080Y	ERSC – GEOG 4040H
ERST 3250H	ERSC – BIOL – GEOG 4070H
ERST – PHIL 3300Y (if not taken as a required course)	ERSC – BIOL 4240H
ERSC/ERST 3310Y (if not taken as a required course)	ERST 4250H
ERSC 3501H (if not taken as a required course)	ERSC 4350H
ERSC 3502H (if not taken as a required course)	ERST – CAST – HIST 4670H
ERSC 3510H	ERST 4700Y, 4701Y/4704H, ERSC 4703H
ERSC 3550Y	ERST – INDG 4730Y
ERSC – GEOG 3650H	ERSC/ERST 4800Y
ERSC/ERST – INDG 3730Y	ERST 4810H

Economics

Telephone: 705-748-1011 ext. 7331
 Fax: 705-748-1567

E-mail: economics@trentu.ca
 Web: www.trentu.ca/economics

Associate Professor and Chair of the Department

B. Lew, B.Sc., M.B.A. (Alberta), Ph.D. (Queen's)

Professors

M. Arvin, B.Sc. (London), M.Phil. (Oxford), Ph.D. (Queen's); **S. Choudhry**, M.A. (Chittagong, Bangladesh), M.A. (McGill), Ph.D. (Manitoba) (*on leave Fall term*); **T. Drewes**, B.A. (Lakehead), Ph.D. (Queen's)

Associate Professors

B. Cater, B.A., M.A. (Toronto), Ph.D. (York); **J. Muldoon**, B.Sc. (Brock), M.A. (Guelph), Ph.D. (McMaster)

Assistant Professors

L. Vojtassak, M.S. (Comenius Slovak Republic), M.S. (Academia Istropolitana Nova, Slovak Republic), Ph.D. (Calgary)

Professors Emeriti

M. J. Boote, B.A. (Wales), Ph.D. (McGill); **D.C.A. Curtis**, M.A. (Queen's), Ph.D. (McGill); **H. M. Kitchen**, M.A. (McMaster); **K. S. R. Murthy**, B.Sc. (Andhra), M.Sc. (Karnatak), M.A. (Delhi, Western), Ph.D. (Western)

Economics is the academic discipline most discussed by the general public. It is also one of the least understood. Economics is the social science that deals with problems of scarcity. It does so through a systematic and logical framework for analyzing how a society solves such problems as what goods and services to produce, how to organize production, and for whom goods and services are to be produced. Knowledge of economics is necessary for understanding and dealing intelligently with such current topics as unemployment, economic growth, income inequality, the environment, globalization, and various forms of market regulation. Besides being important for understanding contemporary social issues, economics is useful in developing career skills for business, law, teaching, public administration and research. Both verbal and mathematical training are involved in learning the discipline of economics.

Notes

- 60% or higher in ECON 1010H (101H) and 1020H (102H) is a prerequisite for all upper-level Economics courses, with the possible exception of cross-listed courses, for which students should check the prerequisites.
- Courses in Economics at the 2000-level, with the exception of ECON – ADMN 2200H (220H) and 2250H (225H), are considered equivalent to courses at the 3000-level in order to satisfy the

University requirement for at least seven credits beyond the 2000-level in the Honours program and at least four in the General program.

- Courses in Economics fulfilling University science course requirements for the B.Sc. are marked (Sc) in the individual course descriptions.
- Students who have fulfilled the requirements for a single-major Honours degree in another subject may apply to the Office of the Registrar for a minor in Economics, if they have met the requirements for the joint-major General degree (see below).

BACHELOR OF ARTS AND BACHELOR OF SCIENCE PROGRAMS IN ECONOMICS

- See [p. 28](#) for requirements which apply to all undergraduate degree programs.
- The same course may not simultaneously satisfy the requirements of both programs in a joint-major degree.
- The Economics department offers both a B.A. and a B.Sc. degree.
- ECON – ADMN 2200H (220H) and ECON – ADMN 3200H (320) fulfill the requirement for one credit in Mathematics for the B.Sc. in Economics.
- It is strongly recommended that students in the joint-major program complete ECON – ADMN 2200H (220H) and 2250H (225H) within the first 15.0 credits.
- It is strongly recommended that students in the single-major program complete ECON 3200H (320H) and 3250H (325H) within the first 15.0 credits.
- ECON 4010Y (401) is now optional and may be substituted (by economics majors only) for ECON 4040Y (404) only under specific conditions. Students must obtain departmental approval.

The single-major Honours program. 20.0 credits which includes the following 10.0 credits:

- 7.0 ECON credits consisting of ECON 1010H (101H), 1020H (102H), 2000H (200H), 2010H (201H), 3000H (300H), 3010H (301H), 3200H (320H), 3250H (325H), 4000H (400H), 4040Y (404), 4050H (405H), ECON – ADMN 2200H (220H) and 2250H (225H)
- 1.0 ECON credit at either the 3000-level or the 4000-level
- 2.0 ECON credits in addition to the above
- for the B.Sc., 14.0 science credits are required for the Honours degree

The joint-major Honours program. 20.0 credits which includes the following 7.5 credits:

- 5.5 ECON credits consisting of ECON 1010H (101H), 1020H (102H), 2000H (200H), 2010H (201H), 3200H (320), 4040Y (404), either 3000H (300H) and 4000H (400H) or 3010H (301H) and 4050H (405), ECON-ADMN 2200H (220H), ECON-ADMN 2250H (225H)
- 2.0 ECON credits in addition to the above, at least 0.5 credit at the 3000-level or at the 4000-level
- for the B.Sc., 14.0 science credits are required for the Honours degree, including 1.0 MATH credit

The single-major General program. 15.0 credits which includes the following 6.0 credits:

- 3.0 ECON credits consisting of ECON 1010H (101H), 1020H (102H), 2000H (200H), 2010H (201H), ECON – ADMN 2200H (220H) and 2250H (225H)
- 3.0 ECON credits in addition to the above
- for the B.Sc., 11.0 science credits are required for the General degree, including 1.0 MATH credit

The joint-major General program. 15.0 credits which includes the following 5.0 credits:

- 2.0 ECON credits consisting of ECON 1010H (101H), 1020H (102H), 2000H (200H) and 2010H (201H)
- 3.0 ECON credits in addition to the above
- for the B.Sc., 11.0 science credits are required for the Honours degree, including 1.0 MATH credit

The minor in ECON consists of the following 5.0 credits:

- 2.0 ECON credits consisting of ECON 1010H (101H), 1020H (102H), 2000H (200H) and 2010H (201H)
- 3.0 ECON credits in addition to the above

Please consult the academic timetable, available through myTrent, for information on courses that will be offered in 2011–2012 including when they will be scheduled.

ECON 1010H – Introductory microeconomics (Sc)

An introductory treatment of markets, prices and outputs based on the behaviour of consumers, business firms and the structure and organization of industries. Selected economic and social policies including taxation, international markets and trade policy are also examined. Excludes ECON 101H.

ECON 1020H – Introductory macroeconomics (Sc)

An introductory study of the total economy in terms of GDP, employment, unemployment, prices, and inflation using simple economic models. The Canadian banking system, monetary policy, the government sector, government budgets and fiscal policy are examined. Selected aspects of international trade, the balance of payments, and exchange rates are included. Excludes ECON 102H.

ECON 2000H – Intermediate microeconomic theory I (Sc)

An examination of problems of demand and supply, market equilibrium and market structure. A comprehensive treatment of the theoretical techniques used to deal with problems of resource allocation and applications of those techniques. Develops skills necessary for advanced work in economics. Prerequisites: 60% or higher in ECON 1010H (101H) and ECON 1020H (102H). Excludes ECON 200, 200H.

ECON 2010H – Intermediate macroeconomic theory I (Sc)

A study of output (GDP), employment and inflation in the national economy, including the effects of monetary, fiscal and exchange rate policies. Current macroeconomic models are used to examine fluctuations in economic activity, and the objectives, design, implementation and evaluation of monetary and fiscal policies. Prerequisites: 60% or higher in ECON 1010H (101H) and 1020H (102H). Excludes ECON 201, 201H.

ECON – ADMN 2200H – Introduction to statistics for economics and management (Sc)

This course introduces statistical methods in an applied setting with an emphasis on the development of theory through interactive learning. The material covered includes descriptive statistics, data analysis, inference and estimation techniques. Prerequisites: 60% or higher in ECON 1010H (101H) and 1020H (102H). Excludes ECON – ADMN 220H.

ECON – ADMN 2250H – Introduction to mathematics for economics and management (Sc)

Topics include partial and general equilibrium, elementary linear algebra, elementary calculus, basic optimization theory, comparative static analysis and linear programming. These tools are integrated with and applied to micro and macroeconomic theory and managerial economics. Prerequisites: 60% or higher in ECON 1010H (101H) and 1020H (102H). Excludes ECON – ADMN 225H.

ECON – CAST 2610H – The Canadian economy

Problems and policies in Canadian economic development since 1929. Topics include: the legacy of the Depression; government policy on trade, immigration and foreign investment; macro-economic stabilization and social welfare; trends in employment and unemployment; exchange rate policy; fiscal policy and government budget deficits. Prerequisites: 60% or higher in ECON 1010H (101H) and 1020H (102H). Excludes ECON – CAST 261H.

ECON 3000H – Intermediate microeconomic theory II (Sc)

A continuation of ECON 2000H to examine the theory of general equilibrium, factor markets, externalities, public goods and asymmetric information. Game theory will be introduced. Prerequisite: ECON 2000H (200H). Excludes ECON 200, 300H.

ECON 3010H – Intermediate macroeconomic theory II (Sc)

A study of the monetary theory and financial markets, as they relate to the performance of the aggregate economy and affect the design, implementation and impact of monetary policy in Canadian and international contexts. Prerequisite: ECON 2010H (201H). Excludes ECON 201, 301H.

ECON 3020H – Financial economics

An introduction to the economic analysis of investment decisions and financial markets. Key concepts include present-value formula, market efficiency, portfolio choice, risk, arbitrage, and asymmetric information. Prerequisites: 60% or higher in ECON 1010H (101H) and 1020H (102H). Excludes ECON 302H.

ECON 3110H – International trade (Sc)

Theories of world trade and the analysis of trade policy and trade relationships in the world economy. The theory and practice of protectionism and preferential trade arrangements. The political economy of trade policy. The role and performance of international organizations. Environmental aspects of trade. International labour standards and trade. Prerequisites: 60% or higher in ECON 1010H (101H) and 1020H (102H). (Support course for International Development Studies). Excludes ECON 311H.

ECON 3120H – International finance (Sc)

The operation of international money and capital markets and theoretical and policy aspects of exchange rates and the balance of payments. Macroeconomic management of domestic open economies. The evolution, management and reform of the international financial system. Prerequisites: 60% or higher in ECON 1010H (101H) and 1020H (102H). (Support course for International Development Studies). Excludes ECON 312H.

ECON 3160H – Public economics (Sc)

Efficiency criteria will be emphasized in the theory and provision of public goods, voting behaviour, intergovernmental grants and fiscal federalism. Focus on discussion of the efficiency and equity criteria in the theory and practice of personal and corporate income taxes, payroll taxation and local government taxation in Canada. Prerequisites: 60% or higher in ECON 1010H (101H) and 1020H (102H). Excludes ECON 217H, 316H, 317H.

ECON 3200H – Econometrics (Sc)

The objective of this course is to provide an elementary but comprehensive introduction to econometrics. Simple and multiple regression; regression diagnostics; problems with testing economic relationships are all introduced within the classical regression framework. Prerequisites: ECON – ADMN 2200H (220H) or equivalent, 2250H (225H) or equivalent. Pre- or co-requisite: ECON 2000H (200H), 2010H (201H) or permission of instructor. Excludes ECON 320H.

ECON 3210H – Applied econometrics (Sc)

This course integrates economic theory, econometric technique and practical applications in empirical economics. The emphasis in this course is on the issues which arise in building empirical models. Students will gain practical skill in the development of empirical models of the economy. Prerequisite: ECON 3200H (320H). Excludes ECON 321H.

ECON 3250H – Mathematical economics and economic models (Sc)

A continuation of ECON – ADMN 2250H. Mathematical techniques used to set and solve economic problems. Topics include total differentiation, comparative static analysis under equilibrium models, unconstrained optimization, classical programming, concavity, convexity, quasi-concavity and quasi-convexity, homogeneous functions, integral calculus, exponential and logarithmic functions. Economic applications will be stressed throughout. Prerequisite: ECON – ADMN 2250H (225H) or equivalent. Pre- or co-requisite: ECON 2000H (200H), 2010H (201H) or permission of instructor.

ECON – ADMN – IDST 3310H – The economics of developing countries (Sc)

Alternative models of growth and development, examination of sectoral problems of LDCs – agriculture, education, health, environmental issues, etc., planning strategies for economic development and the diversity of the development experience. Prerequisites: ECON 1010H (101H), 1020H (102H). Excludes ECON – IDST 231H, ECON 330, ECON – ADMN – IDST 331H.

ECON – ADMN – IDST 3330H – The economics of global interdependence (Sc)

The world economy and the place of less developed nations in an increasingly interdependent global system. Topics include: a market-friendly strategy for the poor; globalization and its impacts; the growing literature on foreign aid and debt; the oil crisis; water scarcity and the potential for international water conflicts. Prerequisites: 60% or higher in ECON 1010H (101H) and 1020H (102H). Excludes ECON – ADMN – IDST 333H.

ECON 3400H – Managerial economics

A study of the various ways in which microeconomic principles and quantitative tools can be used to aid managers in making sound decisions. Topics include forecasting consumer demand, production and cost analysis, optimal pricing and production decisions, optimal hiring and investment decisions, and capital budgeting. Prerequisites: 60% or higher in ECON 1010H (101H) and 1020H (102H). Excludes ECON 340H.

ECON 3410H – Industrial organization (Sc)

Study of markets including perfect competition, monopoly and imperfect competition. Special topics include product differentiation, collusion, measures of market concentration, mergers and vertical integration, predatory pricing, entry deterrence, advertising, vertical restraints, and antitrust policies. Prerequisite: ECON 2000H (200H). Pre- or co-requisite: ECON – ADMN 2250H (225H) or equivalent. Excludes ECON 341H.

ECON 3500H – Economics of industrial relations

Employer-employee relations; human resource management; theory and practice of collective bargaining; strikes; economic aspects of unions; economics of labour policy. Prerequisites: 60% or higher in ECON 1010H (101H) and 1020H (102H). Excludes ECON 350H.

ECON 3510H – Labour economics (Sc)

The economic theory of labour markets used to understand their outcomes and evaluate policies. Topics include wage determination, minimum wages, human capital theory, returns to schooling, optimal compensation and unemployment. Prerequisite: ECON 2000H (200H). Excludes ECON 351H.

ECON 3620H – Growth of the global economy, 1850 to present

The process of the industrialization and globalization of the world economy. Topics include the classic gold standard and international investment, the expansion of trade, labour migration, the diffusion of technology, core-periphery relations, the retreat from globalization after World War I, growth after 1945, rise of global institutions. Prerequisites: 60% or higher in ECON 1010H (101H) and 1020H (102H). Excludes ECON 362H.

ECON – ERST 3810H – Environmental economics (Sc)

This course examines the links between economic activity and environmental degradation. Topics include the valuation of environmental amenities, the use of incentives in regulation, the economics and environmental effects of market failure and the rationale for government intervention. Prerequisites: 60% or higher in ECON 1010H (101H) and 1020H (102H) or permission of instructor. Excludes ECON – ERST 381H.

ECON – CAST 3840H – Health economics

Economic analysis of the organization, financing and utilization of health services. Patterns of consumer and provider behaviour; the functioning and regulation of markets for health services; policy issues in the provision of health care in Canada. Prerequisites: 60% or higher in ECON 1010H (101H) and 1020H (102H) or permission of instructor. Excludes ECON – CAST 384H.

ECON 4000H – Topics in advanced microeconomic theory (Sc)

Development of utility theory from axiomatic preference theory, the structure of utility functions; duality in consumer theory; decision-making under uncertainty; general equilibrium models; welfare economics; game theory. Prerequisites: ECON 3000H (300H), ECON – ADMN 2200H (220H) or equivalent and 2250H (225H) or equivalent. Excludes ECON 400H.

ECON 4010Y – Research project (Sc)

This course is designed to help students develop independent research skills by working on a topic of individual interest, under the close supervision of a faculty adviser. Prerequisite: Open only to Economics Honours students who have completed at least 14.0 university credits, provided specific departmental criteria are met. Students must consult with the department prior to registration. Department approval required. Excludes ECON 401.

ECON 4040Y – Research methodology in economics (Sc)

This course is designed to develop students' abilities to conduct empirical research in economics. Each year a topical area of interest will be selected that will provide students with skills in assessing available literature, conducting empirical research, and reporting the resulting economic analysis in the form of a major paper. Prerequisite: Open only to Economics Honours students who have earned at least 14.0 university credits, including ECON 3200H (320H), ECON 2000H (200H), 2010H (201H). Excludes ECON 402H, 403H, 404.

ECON 4050H – Topics in advanced macroeconomics (Sc)

A study of selected topics and issues including: output and inflation models, business cycles and fluctuations, and alternative approaches to monetary and fiscal policy design and implementation. Prerequisites: ECON 3010H (301H), ECON – ADMN 2200H (220H) or equivalent and 2250H (225H) or equivalent. Excludes ECON 405H.

ECON 4200H – Topics in econometrics (Sc)

This course examines theory and practice in the estimation and testing of economic models with an emphasis on alternatives to simple regression, as they relate to particular economic and statistical issues in an applied setting. Students gain experience in evaluating and refining empirical models of economic phenomena. Prerequisite: ECON 3200H (320H) or permission of instructor. Excludes ECON 420H.

ECON 4250H – Advanced topics in mathematical economics (Sc)

A continuation of ECON 3250H. Advanced mathematical techniques of direct relevance and operational significance to economics. Topics include classical and nonlinear programming, comparative static analysis, differential equations, dynamic optimization, optimal control theory, phase diagrams, dynamic stability/instability in systems, economics of risk and uncertainty. Prerequisite: ECON 3250H (325H) or permission of instructor. Excludes ECON 425H.

ECON 4900Y, 4901H – Reading Course

Provides an opportunity for more intensive or broader study of a selected topic under the guidance of a faculty member. Prerequisite: Open to students who have earned at least 14.0 university credits and have achieved an average of at least 75% in ECON courses completed, and permission of department chair.

Education

Trent University offers four options for students intending to teach at the Elementary or Secondary levels in the Ontario School system:

- Consecutive Bachelor of Education program ([p. 100](#)), leading to a B.Ed. from Trent University, open to students who have already completed a university degree.
- Queen's-Trent Concurrent Teacher Education program ([p. 105](#)), leading to a B.A. or B.Sc. from Trent University and a B.Ed. from Queen's University, involving school placement and educational theory from the first year of university.
- Emphasis in Teacher Education ([p. 260](#)), for students in an Honours program at Trent University who plan to apply to a Consecutive Education program at Trent University or elsewhere after completing their Trent degree.
- Arts & Science Stream for Teacher Education ([p. 244](#)) is a direct entry program for students who are guaranteed a place in the Consecutive Teacher Education Program after completion of an Honours Bachelor of Arts or Science degree (with a 75% minimum cumulative average on the last 10 full-course equivalents) and fulfill all requirements for the [Emphasis in Teacher Education](#).

CONSECUTIVE BACHELOR OF EDUCATION PROGRAM

Telephone: 705-748-1011 ext. 7564
Fax: 705-748-1144

E-mail: education@trentu.ca
Web: www.trentu.ca/education/consecutive

Associate Professor and Dean of the School of Education and Professional Learning

J. Muldoon, B.Sc. (Brock), M.A. (Guelph), Ph.D. (McMaster)

Professors

D. P. Berrill, B.A. (Northwestern), M.A. (Toronto), Ph.D. (East Anglia) (*on leave Winter term*);
P. Elliott, B. Sc., Ph.D. (Wales)

Associate Professors

C. Bruce, B.A., B.Ed. (York), M.A., Ph.D. (Toronto) (*on leave 2011-2012*); **M. Davidson**, B. A. (York), B.Ed. (Queen's), M.Ed. (McGill), Ph.D. (Concordia); **L. Iannacci**, B.A., B.Ed. (York), M.Ed., Ph.D. (Western); **W. Smale**, H.B.P.E., B.Ed., M.Ed., B.Sc. (Lakehead), Ph.D. (Alberta); **K. Young**, B.A., B.Ed., M.Ed., Ph.D. (York)

Assistant Professors

N. Bell, B.A. (Trent), B.Ed., M.Ed. (Queen's), Ph.D. (Trent); **M. Ladky**, B.A. (Denison), M.A. (University College Dublin), Dip. Ed. (McGill), Ed.D. (Toronto); **K. Pendleton-Jimenez**, B.A. (UC Berkeley), M.F.A. (San Diego State), Ph.D. (York)

Lecturers

S. Davidson, B.Sc. (Trent), B.Ed. (Western), M.A. (Central Michigan); **B. Graham**, B.A. (Trent)

The School of Education and Professional Learning, which offers the Consecutive Bachelor of Education program, combines attention to individual learners in small class settings with a community-based approach. The program is guided by a philosophy of social justice, a recognition of learner diversity, and a commitment to professional performance. Through foundations and curriculum courses, candidates are provided the opportunity to critically engage with recent advances in theory, research, and practice. Teaching placements allow candidates to ground their learning in practical classroom experience, as they attend to individual student needs, multiple modes of learning, human diversity, and curriculum-building. Distinctive aspects of the Trent B.Ed. include: a reading tutoring program, an alternative practicum, expertise in special needs, professional identity development, multiple literacies, and legal aspects of education. The School collaborates closely with educators in the region, including those working in primary and secondary schools, local colleges, and community organizations.

Programs of study are offered, in both full-time and part-time formats, for students interested in teaching at the Primary/Junior levels (K – Grade 6) and at the Intermediate/Senior levels (Grades 7 – 12). The full-time program is one year (beginning late August); the part-time program must be completed within a two-year period. Teaching subjects at the Intermediate/Senior levels include: Biology, Chemistry, Computer Science, Dramatic Arts, English, French as a Second Language, Geography, History, Mathematics, Native Studies and Physics.

Admission Requirements

Applicants must have an approved degree from an accredited degree-granting institution and a minimum average of 70%, based upon the final 10.0 full-year credits (or equivalents) in an undergraduate degree program. College transfer courses will not be considered. Applicants are also required to submit a Profile of Experience including two letters of reference. For further details on the academic requirements and information about the Profile of Experience, please consult www.trentu.ca/education/consecutive. Applicants with Honours (4-year) degrees are given preference over those with General (3-year) degrees. Members of a visible racial minority, Aboriginal Peoples and persons with a disability may apply for an equity admissions place in the Bachelor of Education program using the Equity Admission Form.

English Proficiency Requirements

English is the normal language of instruction and communication at Trent University. Therefore, an applicant whose primary language is not English, or whose previous education has been conducted in another language, must demonstrate a command of English sufficient to meet the demands of classroom instruction, written assignments, and participation in tutorials and discussions.

All applicants are required to meet one of the following criteria:

1. Their mother tongue or first language is English.
2. They have studied full-time for at least three years in a university where the language of instruction and examination was English and which was located in a country where the dominant language spoken is English.
3. They have achieved the required level of proficiency on one of the following English language tests:
 - TOEFL (Test of English as a Foreign Language).
 - Computer-based (CBT) and Test of Spoken English (TSE): A score of at least 250 on the computer-based TOEFL, with scores of at least 5.5 on the written component, 24 on each of the listening and reading components and a minimum score of 60 on the TSE.
 - Paper-based (PBT) and Test of Spoken English (TSE): A score of at least 600 on the paper-based TOEFL, with scores of at least 58 on each of the listening and reading components, 5.5 on the Test of Written English (TWE) and a minimum score of 60 on the TSE.
 - Internet-based (IBT): An overall score of 100.
 - IELTS (International English Language Testing Services): An overall score of at least 7 on the Academic Module of IELTS with scores of at least 6.5 in reading and listening and scores of at least 7 in writing and speaking.
 - MELAB (Michigan English Language Assessment Battery): An overall score of 92.

Please be advised that English language proficiency score requirements are subject to change. Candidates are expected to have a demonstrated proficiency in English. The university reserves the right to require English language testing, upgrading or withdrawal from the program if candidates do not meet the expected level of proficiency.

Practicum Handbook for Teacher Candidates

All teacher candidates are advised to refer to the policies and procedures in the *Practicum Handbook for Teacher Candidates* at www.trentu.ca/education/consecutive/practicum_handbook.php.

Certification

Successful completion of the practicum is a requirement for successful completion of the program. Upon successful completion of the program, candidates are awarded a B.Ed. degree. The School of Education and Professional Learning reserves the right to recommend candidates to the Ontario College of Teachers for the Certificate of Qualification to teach in Ontario. Non-Canadians completing the program may be recommended to the College but it is the responsibility of the candidates to provide acceptable and appropriate immigration documentation permitting them to work in Ontario. For further information about the Ontario College of Teachers, please see www.oct.ca.

Notes

- “Q” signifies 0.25 credits; “H” signifies 0.5 credit; “Y” signifies 1.0 credit.
- All program options require 5.0 credits including 0.5 practicum credit.
- A minimum grade of 70% is required in all B.Ed. courses for the Consecutive Bachelor of Education Degree.
- Numerical equivalents of letter grades for courses offered by the Bachelor of Education (B.Ed.)

program read as follows: A+ (90-100), A (85-89); A- (80-84); B+ (77-79); B (73-76); B- (70-72); F (0-69).

- A student who has failed (a grade of less than 70%) two or more courses, or who has failed a single course twice, may not continue in the program without re-application and acceptance to the B.Ed. program.
- In order to graduate, Teacher Candidates must successfully complete four placements: Supporting Readers Placement, Initial Classroom Placement, Extended Classroom Placement, and Alternative Settings Placement.
- Any Teacher Candidate who receives a final rating of unsuccessful in two practicum placements will fail the practicum component of the program and will not receive the B.Ed. or be recommended for certification by the Ontario College of Teachers.
- All curriculum courses incorporate Ontario Curriculum policy documents and other related Ministry policy documents that direct the professional practice of teachers in Ontario.
- All courses reflect the Ontario College of Teachers' Foundations of Professional Practice, incorporating ethical standards and standards of practice.
- There are three pairs of practicums, one in each pair for the public school system and one for the Catholic school system: EDUC 4351Q/EDUC 4354Q, EDUC 4352Q/EDUC 4355Q, EDUC 4353H/EDUC 4356H. Students may take more than one course from each pair, but only one from each pair will be counted for credit.

PROGRAM OPTIONS

1. Primary/Junior streams in the public school system

- 5.0 EDUC credits consisting of EDUC 4121H, 4133H, 4313H, 4341H, 4353H*, 4561H, 4562H, 4571H, 4573H, 4574H

2. Primary/Junior streams in the Catholic school system

- 5.0 EDUC credits consisting of EDUC 4133H, 4313H, 4341H, 4343H, 4356H**, 4561H, 4562H, 4571H, 4573H, 4574H

3. Intermediate/Senior streams in the public school

- 3.0 EDUC credits consisting of EDUC 4221H, 4223H, 4233H, 4313H, 4341H, 4353H*
- 2.0 EDUC credits from the Intermediate/Senior curriculum courses

4. Intermediate/Senior streams in the Catholic school system

- 3.0 EDUC credits consisting of EDUC 4223H, 4233H, 4313H, 4341H, 4343H, 4356H**
- 2.0 EDUC credits from the Intermediate/Senior curriculum courses

* In the part-time program, Public Board option, 4353H will be replaced by EDUC 4351Q in Year 1 and EDUC 4352Q in Year 2.

** In the part-time program, Catholic option, 4356H will be replaced by EDUC 4354Q in Year 1 and EDUC 4355Q in Year 2.

FOUNDATIONAL COURSES

EDUC 4121H – Creating a positive learning environment through the theoretical and practical approaches to classroom management (Primary/Junior)

This course will examine current theories of instructional design and classroom management as they interact to create a positive learning environment in the Primary/Junior context. Students will examine and critically assess contemporary models of design and management to develop personal philosophies related to their own teaching.

EDUC 4133H – Supporting literacy and learners with special needs (Primary/Junior)

Introduction to current educational research, theory and sound practices regarding reading instruction and students with learning disabilities. Models of inclusion and individualized instruction are explored with emphasis on legal responsibilities, program modification, and classroom accommodation. This course is accompanied by a practicum placement.

EDUC 4221H – Creating a positive learning environment through the theoretical and practical approaches to classroom management (Intermediate/Senior)

This course will examine current theories of instructional design and classroom management as they

interact to create a positive learning environment in the Intermediate/Senior context. Students will examine and critically assess contemporary models of design and management to develop personal philosophies related to their own teaching.

EDUC 4223H – Issues in planning, assessment and evaluation (Intermediate/Senior)

Through the application of current research and theoretical foundations, this course will explore contemporary issues in planning, assessment and evaluation and their application to intermediate and senior classroom teaching practice. Selection, design, and use of assessment tasks, tools, and data will be addressed and critiqued, with opportunities for connections to all curriculum areas.

EDUC 4233H – Supporting literacy and learners with special needs (Intermediate/Senior)

Introduction to current educational research, theory and best practices regarding reading intervention and students with in special needs at the Intermediate and Senior levels. Models of inclusion and individualized instruction are explored with emphasis on legal responsibilities, program modification, and classroom accommodation. This course is accompanied by a practicum placement.

EDUC 4313H – Sociocultural perspectives on human development and learning (Primary/Junior & Intermediate/Senior)

This course will offer a critical approach to the understanding of sociocultural and cognitive theories of human development. We will examine how these theories apply to multiple contexts of education, including systemic processes, classroom practices, and embodied teaching and learning.

EDUC 4341H – Educational law, ethics and professional conduct (Primary/Junior and Intermediate/Senior)

This course provides students with an overview of legal, ethical and professional issues. It is an introduction to past and current theoretical/philosophical knowledge in applied educational ethics as practiced in the profession. Teacher candidates will begin to learn about their legal rights and responsibilities to all stakeholders in Ontario education.

EDUC 4343H – The philosophical, historical and curricular context of Ontario Catholic education (Primary/Junior and Intermediate/Senior)

This course is designed to introduce students to the distinctive nature of Catholic Education in Ontario. It will explore: philosophic, historical and theological foundations, critical issues, and current theories of instructional design and classroom management with attention to the distinctive character of curriculum and learning environment in the Catholic school system.

EDUC 4351Q – Practicum: Developing teaching identity, knowledge and skill. Part-time program year 1 (Primary/Junior; Public Stream)

Teacher candidates will reflect upon personal identity, and how individual experiences and values impact teaching practice. We will examine the importance of comprehensive planning, the link to assessment and strategies to create an engaging, exciting classroom environment, conducive to the development and well-being of learners.

EDUC 4352Q – Practicum: Developing teaching identity, knowledge and skill. Part-time program year 2 (Primary/Junior; Public stream)

Teacher candidates will continue to reflect upon personal identity and how individual experiences and values impact teaching practice. We will re-examine strategies to create a classroom environment conducive to the development and well-being of learners, explore ethical and pedagogical tensions in teaching, and ways to negotiate them within the practical setting.

EDUC 4353H – Practicum: Developing teaching identity, knowledge and skill. Full-time program (Primary/Junior and Intermediate/Senior; Public stream)

Teacher candidates will reflect upon personal identity and how individual experiences and values impact teaching practice. We will examine the planning, the link to assessment, and strategies to create an engaging, classroom environment. Ethical and pedagogical tensions in teaching, and ways to negotiate them within the practical setting will also be explored.

EDUC 4354Q – Practicum: Developing teaching identity, knowledge and skill in a Catholic education setting. Part-time program year 1 (Primary/Junior; Catholic stream)

Teacher candidates will reflect upon personal identity and how individual experiences and values impact teaching practice. We will examine the importance of comprehensive planning, the link to assessment, and strategies to create an engaging classroom environment conducive to the development and well-being of learners within the Catholic education setting.

EDUC 4355Q – Practicum: Developing teaching identity, knowledge and skill in a Catholic education setting. Part-time program year 2 (Primary/Junior; Catholic stream)

A continuation of reflection upon personal identity and how individual experiences and values impact teaching practice. We will re-examine strategies to create a classroom environment conducive to the development and well-being of learners, explore ethical and pedagogical tensions and ways to negotiate them within the Catholic education setting.

EDUC 4356H – Practicum: Developing teaching identity, knowledge and skill in a Catholic education setting. Full-time program (Primary/Junior and Intermediate/Senior; Catholic stream)

Teacher candidates will reflect upon personal identity and how individual experiences and values impact teaching practice. We will examine planning, the link to assessment, and strategies to create an engaging classroom environment. Ethical and pedagogical tensions in teaching and ways to negotiate them within the Catholic education setting will also be explored.

CURRICULUM COURSES**EDUC 4561H – Mathematics (Primary/Junior)**

This course in teaching Primary/Junior Mathematics for prospective teachers focuses on developing a community of mathematics learners. Current theories related to teaching and learning mathematics will be examined within the context of rich mathematical investigations. A variety of manipulatives and technologies will be explored as tools for learning and assessment.

EDUC 4562H – Science and social studies (Primary/Junior)

This course will emphasize construction of conceptual understanding of the theoretical foundations of science and social studies. Students will explore a range of teaching/learning and assessment approaches at the Primary/Junior levels which support active construction of knowledge in these areas.

EDUC 4571H – Language & literacy (Primary/Junior)

This course prepares teacher candidates for planning, teaching and assessing comprehensive balanced literacy programs in the Primary and Junior divisions. Candidates will recognize how theories of language and literacy development and instructional methodologies can be effectively applied to classroom practice.

EDUC 4573H – Integrated arts in the elementary classroom (Primary/Junior)

In this course students will learn how to integrate the arts into the elementary classroom. Drawing on current theory and practice in arts education, candidates will focus on how children learn, create and express ideas through the arts and consider ways that the arts can enrich learning across subject areas.

EDUC 4574H – Movement: Physical education and dance in the elementary classroom (Primary/Junior)

This course will offer an approach to movement education incorporating theories of kinesthetic learning in physical education and dance. Teacher candidates will be introduced to theoretical and practical foundations of movement to assist them in becoming comfortable and confident in their ability to make these subjects integral to classroom practice.

EDUC 4661Y – Biology (Intermediate/Senior)

This course examines contemporary learning theory pertaining to Biology education. Students will explore the philosophical basis of appropriate teaching and assessment methodologies to facilitate pupil learning and understanding. The unifying principles of the life sciences will form a framework for the course.

EDUC 4662Y – Chemistry (Intermediate/Senior)

Students will investigate theories of instructional practice supporting student learning in Chemistry. The foundational concepts of chemical science will be linked to contemporary theories of assessment and evaluation of pupil performance to develop effective teaching and learning models.

EDUC 4663Y – Computer science (Intermediate/Senior)

This course prepares students to teach Computer Science, Engineering Technology or Information Technology at the Intermediate and Senior levels. Contemporary theories and strategies for teaching programming, software applications and online learning will be linked with theoretical models of assessment and evaluation to develop dynamic instructional programs.

EDUC 4664Y – Mathematics (Intermediate/Senior)

This course will focus on pupil construction of mathematical concepts and skills through engagement as a community of learners. Exploration of current pedagogical theory in mathematics, teaching practices, assessment techniques, and the skills and content areas of the curricula will be critically examined.

EDUC 4665Y – Physics (Intermediate/Senior)

Students will explore contemporary research and theoretical foundations of Physics instruction, focusing on pupil construction of knowledge. They will apply these theories in designing effective physics courses which incorporate a wide range of teaching practices and assessment techniques to engage all learners.

EDUC 4671Y – Dramatic arts (Intermediate/Senior)

Students will critically examine current theory and practice of teaching Dramatic Arts in the Intermediate and Senior divisions. They will apply educational theory and pedagogy in exploring a variety of teaching and assessment strategies for developing effective drama programs.

EDUC 4672Y – English (Intermediate/Senior)

Students will investigate the theoretical foundations for teaching oral communication, reading, writing and media studies in the intermediate and senior divisions. They will apply research and theory in planning a balanced curriculum, evaluating student performance, preparing students to meet literacy expectations, and modifying programs according to individual needs.

EDUC 4673Y – French as a second language (Intermediate/Senior)

This course will explore current pedagogical research and theory that supports the teaching/learning of listening, speaking, reading and writing in French as a Second Language. It will focus on the models for the integration of language skills and culture and investigate a variety of instructional and assessment approaches for creating effective lessons and teaching units.

EDUC 4674Y – History (Intermediate/Senior)

This course will provide students with the fundamentals in contemporary theory and practice of teaching History to pupils in the Intermediate and Senior divisions. Students will be given opportunities to study the research and theoretical foundations for various models of history instruction, methods of assessment and evaluation of pupils and effective course design.

EDUC 4675Y – Visual arts: Theory and practice (Intermediate/Senior)

Through this course students will engage in a critical exploration of visual art. Students will take part in studio activities while they explore art history, aesthetics, and art criticism, balancing practical creation with considerations of the object, its role in society and its relevance to the individual, and to the larger community.

EDUC 4676Y – Health and physical education

This course provides a theoretical and practical foundation in health and physical education. Topics include trends in health and physical education, motor skill development, coaching, fundamental movement skills, building a community through co-operative games, strategies for integration, dance and safety. Students experience practices and strategies for planning, instruction, and assessment.

EDUC 4681Y – Geography (Intermediate/Senior)

This course will provide students with the professional skills necessary to be effective teachers of Geography at the Intermediate and Senior levels. Through a variety of teaching strategies and reflective practice, candidates will investigate contemporary research, theories and methods of teaching Geography and assessing student learning in the subject area.

EDUC 4682Y – Native Studies (Intermediate/Senior)

Students will explore theoretical foundations for teaching Native Studies in Intermediate and Senior classrooms. They will apply these theories to a critical examination of a variety of teaching and assessment practices appropriate to the subject area.

QUEEN'S–TRENT CONCURRENT TEACHER EDUCATION PROGRAM

Telephone: 705-748-1011 ext. 7464
Fax: 705-748-1008

E-mail: concurrented@trentu.ca
Web: www.trentu.ca/education/concurrent

Coordinator

F. White, B.Sc. (Guelph), B.Ed. (Queen's), M.Ed. (OISE/Toronto)

The Queen's-Trent Concurrent Teacher Education program, co-sponsored by Trent University and by the Faculty of Education, Queen's University, is a high school entry program designed for students intending to teach in either elementary or secondary schools. Students enrol in courses at both universities, which qualify them for an Honours Bachelor of Arts or an Honours Bachelor of Science degree from Trent and a Bachelor of Education degree from Queen's.

The Concurrent Teacher Education program differs from consecutive programs in which students complete a university degree before doing any Education credits, in that it involves school placements and educational theory from the first year of university. Of the 7.0 Education credits required for the Concurrent program, the first 2.0 or 2.25 credits are completed at Trent University and the remaining credits are completed in the final year at Queen's University in Kingston.

Teacher preparation in the program is both academic and field-based. Students acquire experience with schools in each year of the program while pursuing academic and professional studies. The students' involvement in the professional program increases from year to year and includes an

extended practicum in the final year.

The additional course load in this program requires that students make appropriate adjustments to their external commitments in order to accommodate class time, placement, and course assignments.

PROGRAM OPTIONS

Students elect to specialize in one of two teaching divisions: Primary-Junior (Grades JK to 6) or Intermediate-Senior (Grades 7 to 12).

1. Primary – Junior Program Requirements (Grades JK to 6)

Entrance into the final year at Queen's will be contingent upon completion of the following:

- a 20-credit Trent Honours degree
- 1.0 Trent credit in Introductory Psychology (PSYC 1020H and 1030H) or 0.5 Trent credit in Developmental Psychology (PSYC 2500H)
- a minimum 70% average on their best 10.0 Trent credits.

Also, it is recommended that students take at least a 0.5 Trent credit in each of the five curriculum areas: English, Mathematics, Science, the Arts, and Social Studies (Canadian History or Geography).

2. Intermediate – Senior Program Requirements (Grades 7 to 12)

Entrance into final year at Queen's will be contingent upon completion of the following:

- a 20-credit Trent Honours degree
- 1.0 Trent credit in Introductory Psychology (PSYC 1020H and 1030H) or 0.5 Trent credit in Developmental Psychology (PSYC 2500H)
- a minimum 70% average on their best 10.0 Trent credits
- a minimum of 5.0 Trent credits in the first teaching subject
- a minimum of 4.0 Trent credits in the second teaching subject
- teaching subjects offered are: Computer Science, Dramatic Arts, English, French, Geography, History, Mathematics, Native Studies, Science – Biology, Science – Chemistry, Science – Physics, and Visual Arts.

Selection criteria

Students are selected according to the following criteria:

- OSSD with a minimum 80% average (including English 4U plus a minimum of two additional 4U courses) is required for application to the program.
- Personal Statement of Experience (showing candidate's related experience and stressing responsibility, leadership and initiative) is due around the end of February. See our website for exact date and downloadable application form at www.trentu.ca/education/concurrent/admission.php.

Each year up to 15 spaces are available for second-year entry into the Queen's – Trent Concurrent Teacher Education program (in addition to the 125 spaces already available). Only students who are intending to complete a 20-credit Honours degree and who are presently in year one of an Hons. Arts or Science program at Trent University are eligible to apply. A 74% or better average in a total of 5.0 credits is required.

Notes

- Students are strongly encouraged to consult with the Queen's – Trent Concurrent Teacher Education office to ensure that courses selected meet program requirements. A list of acceptable courses is made available to Concurrent Teacher Education students at information sessions before Early Registration. Responsibility for ensuring that all Hons. B.A./B.Sc. and B.Ed. requirements are fulfilled rests with the student.
- Students who enter the program in Year 2, or who participate in a year-abroad program, or who take a leave of absence from the program, can complete their Year 3 Queen's education course and placement in Year 4.

- Students are expected to complete both the Trent Honours Bachelor's degree and the Queen's Education degree within six years of their initial registration at Trent. All Trent degree requirements and Education teaching division prerequisites for the final year at Queen's must be completed by early May preceding final year enrolment. For full details please see the Concurrent Teacher Candidate section of the Queen's calendar at www.queensu.ca/calendars/education.
- Students must achieve the cumulative average required by their respective Honours degree programs.
- Academic progress will be reviewed at the conclusion of each year in Arts and Science. Students placed under academic penalty by the Faculty of Arts and Science/Office of the Registrar will be required to concentrate their efforts on their Arts and Science courses and to suspend their work in Concurrent Teacher Education until the penalty is removed.
- Students wishing to have Dramatic or Visual Arts as teaching subjects may not be able to take the required number of credits at Trent University and may therefore need to take courses at other universities or by correspondence on a Letter of Permission. Students planning Dramatic or Visual Arts as teaching subjects should consult the Concurrent Teacher Education office concerning suitable courses.
- Placements in years 1-3 can be in Peterborough or in Home Boards. Final year placements are in the Queen's catchment area.
- Students are required to pay Queen's tuition fees for their Education courses. These are not covered by Trent University Arts & Science tuition fees.

Typical Program format and required courses for students entering in Fall 2011

Program requirements are subject to change without notice. The Queen's Faculty of Education Calendar is the authoritative version.

COMMON YEAR

Year 1 at Trent

- up to 5.0 Trent credits towards an Hons. B.A. or B.Sc.
- Introduction to Teaching (0.25 Queen's credit)
- Introduction to Curriculum (0.25 Queen's credit)
- Experiences in Schools I (0.25 Queen's credit) which is the equivalent of two full weeks of placement.

At the end of Year 1, students must choose the Primary-Junior or Intermediate-Senior program.

PRIMARY – JUNIOR PROGRAM

Year 2 at Trent

- up to 5.0 Trent credits towards an Hons. B.A. or B.Sc.
- Curriculum Selection (0.25 Queen's credit)
- Experiences in Schools (Primary-Junior) II (0.25 Queen's credit) which is the equivalent of three full weeks of placement.

Year 3 at Trent

- up to 5.0 Trent credits towards an Hons. B.A. or B.Sc.
- Critical Issues and Policies (Primary-Junior) (0.5 Queen's credit)
- Experiences in Schools (Primary-Junior) III (0.25 Queen's credit) which is the equivalent of three full weeks of placement.

Year 4 at Trent

- up to 5.0 Trent credits towards an Hons. B.A. or B.Sc.
- no Queen's Education credits or placement required

Final/fifth Year at Queen's (PJ) in Kingston (5.0 Queen's credits)

- All remaining Curriculum, Foundations, Education Studies, Focus and/or Professional Studies credits.
- Practicum Course which is the equivalent of up to 16 weeks of placement

INTERMEDIATE – SENIOR PROGRAM**Year 2 at Trent**

- up to 5.0 Trent credits towards an Hons. B.A. or B.Sc.
- Professional Development (Intermediate-Senior) (0.25 Queen's credit)
- Experiences in Schools (Intermediate-Senior) II (0.5 Queen's credit) which is the equivalent of three full weeks of placement.

Year 3 at Trent

- up to 5.0 Trent credits towards an Hons. B.A. or B.Sc.
- Critical Issues and Policies (Intermediate-Senior) (0.5 Queen's credit)
- Experiences in Schools (Intermediate-Senior) III (0.25 Queen's credit) which is the equivalent of three full weeks of placement.

Year 4 at Trent

- up to 5.0 Trent credits towards an Hons. B.A. or B.Sc.
- no Queen's Education credits or placement required

Final/fifth Year at Queen's (IS) in Kingston (4.75 Queen's credits)

- All remaining Curriculum, Foundations, Education Studies, Focus and/or Professional Studies credits
- Practicum Course which is the equivalent of up to 16 weeks of placement

For further details please visit the Queen's University Faculty of Education website at www.educ.queensu.ca.

English Literature

Telephone: 705-748-1011 ext. 7733
Fax: 705-748-1823

E-mail: english@trentu.ca
Web: www.trentu.ca/english

Chair of the Department

To be named

Professors

K. A. Chittick, B.A., M.A. (Toronto), Ph.D. (Edinburgh); **L. W. Conolly**, B.A. (Wales), M.A. (McMaster), Ph.D. (Wales), D.Litt. (Guelph), F.R.S.C.; **J. A. Fekete**, B.A., M.A. (McGill), Ph.D. (Cambridge); **S. L. Keefer**, B.A., M.A., Ph.D. (Toronto); **Z. H. Pollock**, B.A. (Manitoba), Ph.D. (London)

Associate Professors

S. J. Bailey, B.A. (Queen's), M.A., Ph.D. (Toronto) (*on leave 2011-2012*); **R. Bode**, B.A., M.A., Ph.D. (Toronto); **S. W. Brown**, B.A., M.A. (Windsor), B.A., Ph.D. (Queen's), F.S.A. (Scot.); **L. J. Clark**, B.A., M.A. (Toronto), Ph.D. (Virginia); **M. C. Eddy**, B.A., M.A. (Western), Ph.D. (Toronto); **J. Findon**, B.A. (British Columbia), M.A., Ph.D. (Toronto); **H. M. Hodges**, B.A. (Queen's), M.A., Ph.D. (Toronto) (*on leave Winter term*); **E. A. Popham**, B.A., M.A. (Manitoba), Ph.D. (Queen's) (*on leave Fall term*); **M. Steffler**, B.A. (Victoria), M.A., Ph.D. (McMaster)

Assistant Professors

M. Epp, B.A. (Saskatchewan), M.A. (McGill), Ph.D. (Alberta); **L. MacLeod**, B.A. (Windsor), M.A. (McMaster), Ph.D. (Memorial); **K. McGuire**, B.A. (Queen's), M.A., Ph.D. (Western)

Adjunct Faculty

E. Berry, A.B. (Wesleyan), M.A. Ph.D. (UC-Berkeley), Emeritus (Victoria)

Professors Emeriti

R. J. Dellamora, A.B. (Dartmouth College), B.A. (Cambridge), M.Phil., Ph.D. (Yale); **S. F. Gallagher**, B.A. (Ireland), M.A. (Western), Ph.D. (Ireland); **G. A. Johnston**, B.A. (Toronto), M.A. (Harvard); **S. Kane**, B.A. (Carleton), M.A., Ph.D. (Toronto); **O. S. Mitchell**, B.A., M.A. (Alberta), Ph.D. (London); **J. E. Neufeld**, B.A. (Toronto), M.A., Ph.D. (Chicago); **M. A. Peterman**, A.B. (Princeton), M.A., Ph.D. (Toronto), F.R.S.C.; **E. M. Orsten**, M.A. (Oxford), Ph.D. (Toronto); **F. B. Tromly**, B.A. (Grinnell), M.A., Ph.D. (Chicago)

In the English department at Trent University we introduce our students to the vast sweep of literature in English from its beginnings over a thousand years ago in Anglo-Saxon England to its current status as the global medium of culture and communication. We study the language of our daily existence functioning at its full force, in works of the imagination which confront the pressing and enduring issues in our lives and our society. Our goal is to enhance students' love and understanding of literature in English and to enable them to develop the reading, writing and analytical skills that are crucial to academic and professional success in the Information Age. We believe that the best way of achieving this goal is by exchanging and testing ideas in small-group discussions led by experienced and dedicated teachers.

Revision of Program

The English department has revised its program requirements. All students who declared their major after the publication of the 2010-2011 University Calendar must complete their program under the new requirements. Students who declared their major before the publication of the 2010-2011 University Calendar may complete their program either under the new requirements or under the requirements that were in place when they declared their major. For further information see the English department website, www.trentu.ca/english.

Notes

- Students should ensure that they have satisfied the University degree requirement for at least 7.0 credits beyond the 2000-level in the Honours program and at least 4.0 in the General program.
- A cross-listed course may not simultaneously satisfy the requirements of the two programs in a joint-major degree.
- Students who have fulfilled the requirements for a single-major Honours degree in another subject may apply to the Office of the Registrar for a minor in English if they have met the University requirements for the joint-major General degree (see below).
- For further information on the English department, please visit the department website at www.trentu.ca/english.

BACHELOR OF ARTS PROGRAM IN ENGLISH

- See [p. 28](#) for requirements which apply to all undergraduate degree programs.
- In Oshawa ENGL 1000Y is taught as two half-courses (1003H and 1005H) which together constitute the program's introductory course.
- ENGL 1000Y (or 1003H and 1005H in Oshawa) must be taken in the first year of the program.
- ENGL 2001H (formerly ENGL 2000Y) may be taken by students in the first year of the program and is strongly recommended for all English majors.
- It is strongly recommended that students complete ENGL 2100Y in the second year of the program.
- It is strongly recommended that students complete ENGL 3210Y in the second or third year of the program.
- 4000-level courses may be taken by students in the Honours program who have successfully completed 4.0 credits in English and who have a cumulative average of 70% in all courses taken (or permission of the department).
- It is strongly recommended that students in the Honours program with the requisite average of 70% in all courses taken include at least one 4000-level credit in their program.
- It is strongly recommended that students considering graduate studies take at least two 4000-level credits in their program.
- ENGL 1000Y, 2001H, 2100Y and 3210Y are offered annually. All other 2000- and 3000-level courses are usually offered on a two- or three-year rotation. The frequency of offering of 4000-level courses depends on staffing resources. The department publishes a three-year plan on its website to help students plan their programs.
- It is recommended that students considering graduate studies in English complete an upper-level course in a second language.
- Information meetings are held during the Winter session for prospective and continuing English majors. All inquiries should be directed to the Academic Program Advisor at englishadvice@trentu.ca.

The single-major Honours program. 20.0 credits including the following 10.0 credits:

- 1.0 ENGL credit from ENGL 1000Y (100), or 1003H and 1005H
- 1.0 ENGL credit consisting of ENGL 2100Y
- 1.0 ENGL credit consisting of ENGL 3210Y (or 2200Y)
- 0.5 ENGL credits at the 3000-level from the Theory and Criticism series (series 6.0)
- 1.5 ENGL additional credits at the 3000-level including credits from three of the following four series: American, (series 3.0), Victorian and Modern British (series 4.0), World (series 4.5), and Canadian (series 5.0)
- 5.0 ENGL credits in addition to the above

The joint-major Honours program. 20.0 credits including the following 8.0 credits:

- 1.0 ENGL credit from ENGL 1000Y (100), or 1003H and 1005H
- 1.0 ENGL credit consisting of ENGL 2100Y
- 1.0 ENGL credit consisting of ENGL 3210Y (or 2200Y)
- 0.5 ENGL credits at the 3000-level from the Theory and Criticism series (series 6.0)
- 1.5 ENGL additional credits at the 3000-level including credits from three of the following four series: American, (series 3.0), Victorian and Modern British (series 4.0), World (series 4.5), and Canadian (series 5.0)
- 3.0 ENGL credits in addition to the above

The single-major General program. 15.0 credits including the following 6.0 credits:

- 1.0 ENGL credit from ENGL 1000Y (100), or 1003H and 1005H
- 1.0 ENGL credit consisting of ENGL 2100Y
- 1.0 ENGL credit consisting of ENGL 3210Y (or 2200Y)
- 1.5 ENGL additional credits at the 3000-level including credits from three of the following five series: American, (series 3.0), Victorian and Modern British (series 4.0), World (series 4.5), Canadian (series 5.0) and Theory (series 6.0)
- 1.5 ENGL credits in addition to the above

The joint-major General program. 15.0 credits including the following 5.0 credits:

- 1.0 ENGL credit in ENGL 1000Y (100), or 1003H and 1005H
- 1.0 ENGL credit consisting of ENGL 2100Y
- 1.0 ENGL credit consisting of ENGL 3210Y (or 2200Y)
- 1.0 ENGL additional credits at the 3000-level including credits from two of the following five series: American, (series 3.0), Victorian and Modern British (series 4.0), World (series 4.5), Canadian (series 5.0) and Theory (series 6.0)
- 1.0 ENGL credit in addition to the above

The minor in ENGL consists of the following 5.0 credits:

- 1.0 ENGL credit in ENGL 1000Y (100), or 1003H and 1005H
- 1.0 ENGL credit consisting of ENGL 2100Y
- 1.0 ENGL credit consisting of ENGL 3210Y (or 2200Y)
- 1.0 ENGL additional credits at the 3000-level including credits from two of the following five series: American, (series 3.0), Victorian and Modern British (series 4.0), World (series 4.5), Canadian (series 5.0) and Theory (series 6.0)
- 1.0 ENGL credit in addition to the above

3.0 American Literature	4.0 Victorian and Modern British Literature	4.5 World Literature	5.0 Canadian Literature	6.0 Theory and Criticism
3300Y/3301H	3400Y/3401H	3451H	3500Y/3501H	3600Y/3601H
3304Y/3305H	3402Y/3403H	3453H	3502Y/3503H	3603H
3306Y/3307H	3410Y/3411H	3455H	3504Y/3505H	3604Y/3605H
3308Y/3309H	3412Y/3413H	3481H	3506Y/3507H	3606Y/3607H
	3421H	3483H	3520Y	
			3550Y	

Please consult the academic timetable, available through myTrent, for information on courses that will be offered in 2011–2012 including when they will be scheduled.

ENGL 1000Y – Introduction to English literature

This course focuses on selected genres, issues, forms and movements from the broad spectrum of literature in English – British, American, Canadian and postcolonial. Excludes ENGL 100, 1003H and 1005H.

ENGL 1003H – Introduction to English literature I

This introductory course focuses on selected genres (poetry and the novel), issues, forms and movements from the broad spectrum of literature in English – British, American, Canadian and postcolonial. Excludes ENGL 1000Y (100). (Offered only in Oshawa.)

ENGL 1005H – Introduction to English literature II

This introductory course focuses on selected genres (prose, excluding the novel, and drama), issues, forms and movements from the broad spectrum of literature in English – British, American, Canadian and postcolonial. Excludes ENGL 1000Y (100). (Offered only in Oshawa.)

ENGL 2001H – Critical practice

An introduction to critical practice and to the assumptions underlying a wide range of approaches to literature. The course explores British, American, Canadian and postcolonial works, and draws on parallels between literary and non-literary language and between literature and other forms of expression. Emphasis will be placed on learning through writing. Excludes ENGL 205, 2000Y.

ENGL – CUST 2029Y – Science fiction (see Cultural Studies)

ENGL 2100Y – Foundations in Medieval and Renaissance literature

This course provides an opportunity to become acquainted with English literature from the Medieval period to the Renaissance. Special attention will be given to such themes as the romantic and heroic impulses, sacred and profane love, art and nature, nostalgia for the old and enthusiasm for the new. Prerequisite: 60% or higher in ENGL 1000Y (100) or cumulatively in 1003H and 1005H.

ENGL 2150Y/2151H – Studies in Shakespeare

An examination of Shakespeare's dramatic career through the study of representative works spanning the period from the early comedies to the last plays. Prerequisite: 60% or higher in ENGL 1000Y (100) or cumulatively in 1003H and 1005H. Excludes ENGL 220. Students may take only one of ENGL 2150Y or 2151H for credit.

ENGL 2152Y/2153H – Reading Shakespeare for the classroom and stage

This course explores Shakespeare's plays as texts for public spaces. Emphasis will be on "hearing the plays" and on engaging the material in contemporary contexts, preparing students to teach or perform the texts. Course work will include scene presentations focused on imagining Shakespeare's theatrical intent and exploring how the texts awaken moral feeling in the audience. Prerequisite: 60% or higher in ENGL 1000Y (100) or cumulatively in 1003H and 1005H. Students may take only one of ENGL 2152Y or 2153H for credit.

ENGL – INDG 2480Y – Indigenous literature and creative writing (see Indigenous Studies)

ENGL 2703H – Literature and social justice

This course studies a range of works from different periods and genres that raise moral questions and ethical dilemmas concerning issues of social justice involving race, ethnicity, class, gender, age and other variables. It considers literature's power to evoke the plight of the socially disadvantaged, and the implications for social change. Prerequisite: 60% or higher in ENGL 1000Y (100) or cumulatively in 1003H and 1005H. Excludes ENGL 280H, 3703H.

ENGL – ERST 2705H – Literature and the environment

An examination of selected works through a focus on the natural environment including non-human forms of life. The course studies examples of nature and environmental writing, but also brings ecocritical perspectives to a wide range of texts through discussions of the wilderness, gardens, waste, nature and culture, and other topics. Prerequisite: 60% or higher in ENGL 1000Y (100) or cumulatively in 1003H and 1005H. Excludes ENGL 3705H.

ENGL 2802Y/2803H – Modern poetry

An introduction to the works of some of the important poets writing in English in the 20th century, designed to give an overview of Modernism and its democratization of poetic language. Writers to be studied may include Yeats, Eliot, Pound, Williams, Stevens, Frost, Thomas, Auden, Bishop, Plath, Klein and Page. Prerequisite: 60% or higher in ENGL 1000Y (100) or cumulatively in 1003H and 1005H. Excludes ENGL 340, 3802Y/3803H. Students may take only one of ENGL 2802Y or 2803H for credit.

ENGL 2804Y/2805H – Modern drama

Studies in the works of 20th-century English, Irish, Canadian and American playwrights. Writers to be studied may include Shaw, Wilde, Osborne, Pinter, Stoppard, Beckett, Churchill, Gens, Williams, Miller, Albee, Thompson, Walker and Tremblay. Prerequisite: 60% or higher in ENGL 1000Y (100) or cumulatively in 1003H and 1005H. Excludes ENGL 350, 3804Y/3805H. Students may take only one of ENGL 2804Y or 2805H for credit.

ENGL 2806Y/2807H – Modern fiction

This course examines the development of modern fiction from the flourishing of experimental Modernism in the 1920s to contemporary voices and trends. The texts will be interpreted from a social and historical perspective and a formal or aesthetic perspective. Prerequisite: 60% or higher in ENGL 1000Y (100) or cumulatively in 1003H and 1005H. Excludes ENGL 345, ENGL 3806Y/3807H. Students may take only one of ENGL 2806Y or 2807H for credit.

ENGL 2810Y – Children's literature

This course studies children's literature (British, American and Canadian) from the 18th century to the present, addressing such topics as the transition from oral to literate culture, folk and fairy tales, the 18th-century popular press, the late 19th-century cult of the child, illustration, the "Golden Age," and cultural contexts. Prerequisite: 60% or higher in ENGL 1000Y (100) or cumulatively in 1003H and 1005H. Excludes ENGL 385, 3810Y.

ENGL – CUST 3029Y – Utopia (future fiction) (see Cultural Studies)**ENGL 3100Y – History of the English language**

A study of the development and use of the English language, spoken and written, from Old and Middle English to modern colloquial usage and experimental fiction. The course emphasizes practical philological linguistics, structural analysis, and the application of language skills to prose and verse from 950 C.E. to current writing. Prerequisite: 60% or higher in ENGL 1000Y (100) or cumulatively in 1003H and 1005H. Strongly recommended: a 1000-level course in French, German, Greek, Latin or Spanish. Excludes ENGL 230.

ENGL 3102Y/3103H – Old English

Language principles through oral, auditory and visual learning, enabling the student to read a selection of basic Anglo-Saxon prose and verse texts. Prerequisite: 60% or higher in ENGL 1000Y (100) or cumulatively in 1003H and 1005H or 0.5 credit in the Medieval period or a 1000-level course in French, German, Greek, Latin or Spanish. Students may take only one of ENGL 3102Y or ENGL 3103H for credit.

ENGL 3121H – Medieval romance

This course will examine medieval romance through the lens of several overlapping sub-genres: penitential, family, and Arthurian romance. We will be attentive to how romance maps the stresses and changes in medieval culture – particularly in England – and how it becomes a vehicle for exploring political, social and ideological change. Prerequisite: 60% or higher in ENGL 1000Y (100) or cumulatively in 1003H and 1005H. Excludes ENGL 332.

ENGL 3123H – Medieval drama

A close examination of the origins of English drama from the liturgy of the early Christian church to the secular comedy of the early 16th century. Liturgical Latin plays will be read in translation; the medieval Cycle and morality plays will be in Middle English. Prerequisite: 60% or higher in ENGL 1000Y (100) or cumulatively in 1003H and 1005H. Excludes ENGL 333H.

ENGL 3125H – Chaucer's *Canterbury Tales*

This course explores Chaucer's most famous work, *The Canterbury Tales*. Here Chaucer's world of competing voices is fully realized – violent and humorous, idealistic and corrupt, intensely religious and yet plagued by doubt. The fictional frame for this surprisingly modern approach to storytelling is an old and time-honoured activity: the pilgrimage. Prerequisite: 60% or higher in ENGL 1000Y (100) or cumulatively in 1003H and 1005H. Excludes ENGL 331H.

ENGL 3153H – Renaissance drama

This course explores Renaissance drama (exclusive of Shakespeare) within the changing social contexts in Elizabethan and Jacobean England. Playwrights will include Marlowe, Jonson, Webster and several of their contemporaries. Plays will be studied both as literary texts and as theatrical events. Prerequisite: 60% or higher in ENGL 1000Y (100) or cumulatively in 1003H and 1005H. Excludes ENGL 250H.

ENGL 3155H – The Renaissance lyric

Lyric poetry, along with music and drama, was one of the greatest artistic expressions of the English Renaissance. This course will focus on the conflicting tendencies towards musical beauty and psychological drama in such poets as Wyatt, Surrey, Sidney, Spenser, Shakespeare, Jonson, Donne, Herbert, the later Metaphysicals and the Cavaliers. Prerequisite: 60% or higher in ENGL 1000Y (100) or cumulatively in 1003H and 1005H. Excludes ENGL 251, 253H, 254H.

ENGL 3200Y – Milton and his age

An examination of Milton's development as man and artist through the study of his major works (including *Comus*, *Lycidas*, *Areopagitica*, *Paradise Lost*, *Paradise Regained* and *Samson Agonistes*) and selected works of contemporary authors. Prerequisite: 60% or higher in ENGL 1000Y (100) or cumulatively in 1003H and 1005H. Excludes ENGL 201.

ENGL 3202Y – Theatre and journalism during the Restoration and 18th century

An examination of ways in which the stage was displaced by the periodical press through the study of these two "public" genres in the Restoration and 18th century. Texts studied include examples of drama and journalism from Scotland, as well as the usual classics of the London stage. Prerequisite: 60% or higher in ENGL 1000Y (100) or cumulatively in 1003H and 1005H. Excludes ENGL 3203H.

ENGL 3203H – Restoration and 18th-century drama

This course examines the rich dramatic tradition which arose in London following the reopening of the theatres in 1660. Emphasis will be placed on comedy and satire, but other genres may be examined as well. Authors to be studied include Wycherley, Congreve, Dryden, Behn, Goldsmith and Sheridan. Prerequisite: 60% or higher in ENGL 1000Y (100) or cumulatively in 1003H and 1005H. Excludes ENGL 251H.

ENGL 3205H – Literature of Augustan England

Studies in the literature of the Augustan period, 1660–1740. Writers to be studied include Addison and Steele, Behn, Congreve, Defoe, Etherege, Fielding, Gay, Lady Mary Wortley Montagu and Wycherley, with particular emphasis on Dryden, Pope and Swift. Prerequisite: 60% or higher in ENGL 1000Y (100) or cumulatively in 1003H and 1005H. Excludes ENGL 300.

ENGL 3207H – The Age of sensibility

Studies in the literature of "sensibility" which dominates the latter half of the 18th century, focusing on debates about character and national character and about moral and aesthetic taste, as expressed in a wide range of literary genres. Writers may include Johnson, Boswell, Rousseau, Goldsmith, Sterne, Sheridan, Burney and Edmund Burke. Prerequisite: 60% or higher in ENGL 1000Y (100) or cumulatively in 1003H and 1005H. Excludes ENGL 302H.

ENGL 3210Y – Foundations in Restoration to Romantic literature

This course explores the genres, aesthetics, philosophies, and politics of the Restoration to Romantic periods. Writers to be studied include Milton, Congreve, Dryden, Behn, Defoe, Addison, Steele, Pope, Swift, Gay, Johnson, Fielding, Sterne, Franklin, Burns, Burke, Rousseau, Blake, Wollstonecraft, Wordsworth, Coleridge, Austen, P. B. Shelley, Mary Shelley, Byron and Keats. Prerequisite: 60% or higher in ENGL 1000Y (100) or cumulatively in 1003H and 1005H. Excludes ENGL 2200Y.

ENGL 3250Y – The Romantics

A study of the "Romantic revolution" and its aftermath in politics, mores, philosophy, religion and aesthetics. Early Romantic writers will include Blake, Wordsworth and Coleridge and others (such as Rousseau, Burke, Wollstonecraft). Writers of the Napoleonic and late Romantic period include Byron, the Shelleys, Keats, Austen and others. Prerequisite: 60% or higher in ENGL 1000Y (100) or cumulatively in 1003H and 1005H. Excludes ENGL 212H, 213H, 3251H, 3253H.

ENGL 3251H – The early Romantics

A study of the "Romantic revolution" in politics, mores, philosophy, religion and aesthetics as represented in the writings of Blake, Wordsworth, Coleridge and others (such as Rousseau, Burke, Wollstonecraft) in the early Romantic period. Prerequisite: 60% or higher in ENGL 1000Y (100) or cumulatively in 1003H and 1005H. Excludes ENGL 212H, 3250Y.

ENGL 3253H – The later Romantics

A study of the social, political, historical and poetic aftermath of the "Romantic revolution" as represented in the writings of Byron, the Shelleys, Keats, Austen and other writers of the Napoleonic and late Romantic era. Prerequisite: 60% or higher in ENGL 1000Y (100) or cumulatively in 1003H and 1005H. Excludes ENGL 213H, 3250Y.

ENGL 3300Y/3301H – American literature

An exploration of the dynamic conflicts and communities that make American literatures pivotal to modernity and that place them on the cutting edge of our possible futures. Course topics include anarchy and empire in the United States, and global traditions and interventions. Prerequisite: 60% or higher in ENGL 1000Y (100) or cumulatively in 1003H and 1005H. Excludes ENGL 2300Y, 230, 231, 232. Students may take only one of ENGL 3300Y or 3301H for credit.

ENGL 3304Y/3305H – Modern American fiction

An examination of American fiction from the flourishing of Modernism in the 1920s to contemporary voices and trends. The texts will be interpreted as products of American culture, and also as examples of literary genres or aesthetic movements which have a complex history and development within and outside of American literary circles. Prerequisite: 60% or higher in ENGL 1000Y (100) or cumulatively in 1003H and 1005H. Excludes ENGL 371. Students may take only one of ENGL 3304Y or 3305H for credit.

ENGL 3306Y/3307H – Latino/Latina American literature

This course looks at the fiction of Latina/Latino American writers whose work addresses issues of maturation and the experience of living outside the dominant culture, and attempt at times to express the uniqueness of the Latino/a experience in the United States through innovative narrative techniques. Prerequisite: 60% or higher in ENGL 1000Y (100) or cumulatively in 1003H and 1005H. Students may take only one of ENGL 3306Y or 3307H for credit.

ENGL 3308Y/3309H – African American literature

Although African American slaves were denied many civil liberties including access to literacy, an African American literacy culture nonetheless emerged. This course will examine that literary culture through its engagement with and contestation of canonical American literary texts. Prerequisite: 60% or higher in ENGL 1000Y (100) or cumulatively in 1003H and 1005H. Students may take only one of ENGL 3308Y or 3309H for credit.

ENGL 3400Y/3401H – Victorian literature and society

Studies in the creation of modern society as seen by Victorians in their poetry, prose, and fiction. Writers to be studied include Mill, Carlyle, Marx, William Morris, Tennyson, Browning, the Pre-Raphaelites, Christina Rossetti, Emily Brontë, Mrs. Gaskell, Charles Dickens, and Thomas Hardy. Prerequisite: 60% or higher in ENGL 1000Y (100) or cumulatively in 1003H and 1005H. Excludes ENGL – CUST 321. Students may take only one of ENGL 3400Y or 3401H for credit.

ENGL 3402Y/3403H – Victorian literary movements and genres

Studies in literary movements and genres of Victorian literature. Some of the movements and genres to be discussed include Pre-Raphaelitism, fin de siècle writings, sensation fiction, the New Woman novel, poetry. Prerequisite: 60% or higher in ENGL 1000Y (100) or cumulatively in 1003H and 1005H. Excludes ENGL 320. Students may take only one of ENGL 3402Y or 3403H for credit.

ENGL 3410Y/3411H – 20th-century British literature: History, politics, culture

This course examines the echoes of Empire and “Englishness” in 20th-century British literature, and traces the emergence of a distinctly post-Empire sensibility in contemporary British culture. Emphasis is placed on the two world wars, the collapse of Empire, the “rise” of the working class, and “new” colonial voices. Prerequisite: 60% or higher in ENGL 1000Y (100) or cumulatively in 1003H and 1005H. Students may take only one of ENGL 3410Y or 3411H for credit.

ENGL 3412Y/3413H – 20th-century British literature: Literary movements and genres, Modernism and its aftermath

Modernism was the 20th century’s most influential literary movement. Its repudiation of the modes of thought and art that preceded it worked to reconfigure our ideas of what literature is or can be. This course examines British High Modernism and its various legacies, most importantly anti-modernist and postmodernist approaches. Prerequisite: 60% or higher in ENGL 1000Y (100) or cumulatively in 1003H and 1005H. Students may take only one of ENGL 3412Y or 3413H for credit.

ENGL 3421H – Modern Irish literature

This course will introduce students to the major figures, genres, and themes in 20th-century Irish literature. Authors to be studied include William Butler Yeats, Lady Gregory, James Joyce, J. M. Synge, Medbh McGuckian and Samuel Beckett. Genres to be studied include the novel, the short story, poetry and drama. Prerequisite: 60% or higher in ENGL 1000Y (100) or cumulatively in 1003H and 1005H.

ENGL 3451H – African literature

In Ghana, Nigeria, Kenya, Botswana, Zimbabwe and South Africa, an Anglophone African literature has emerged to address issues of neo-colonialism, national identity, the violence of civil war, the failure of democracy and the effects of globalization. We will examine both the politics and aesthetics of this literature. Prerequisite: 60% or higher in ENGL 1000Y (100) or cumulatively in 1003H and 1005H. Excludes ENGL 317H.

ENGL 3453H – West Indian literature

The collision of African and European traditions in the West Indies has produced calypso, reggae and dub poetry as well as written fiction, poetry and drama. We will discuss writers including Bob Marley and Lorna Goodison from Jamaica, V.S. Naipaul and Mighty Sparrow from Trinidad, and Derek Walcott from St. Lucia. Prerequisite: 60% or higher in ENGL 1000Y (100) or cumulatively in 1003H and 1005H.

ENGL 3455H – South Asian literature

South Asia’s modern literature, fed by both British and classical Asian traditions, is rich and fascinatingly complex. We will explore the realism of Raja Rao and the magic realism of Salman Rushdie; the whimsy of R. K. Narayan; the surrealism of Suniti Namjoshi; and the experimentalism of Michael Ondaatje and Sara Suleri. Prerequisite: 60% or higher in ENGL 1000Y (100) or cumulatively in 1003H and 1005H. Excludes ENGL 316H.

ENGL – CAST – INDG 3481H – Indigenous fiction

The course considers the expectations and functions of narrative, and examines the ways in which the fictions of Indigenous authors draw on, extend and defy white European literary traditions, and incorporate narrative methods of their own traditions. Fictions by authors in both Canada and the United States will be included. Prerequisite: 60% or higher in ENGL 1000Y (100) or cumulatively in 1003H and 1005H. Excludes ENGL – INDG – CAST 360H.

ENGL – CAST – INDG 3483H – Indigenous poetry

The course considers the range of contemporary poetry by Indigenous authors from Canada and the United States, and the poems' relations to traditional language forms and to literary traditions and genres. It begins with a brief study of "orature" and songs, and includes a discussion of one 19th-century exemplar. Prerequisite: 60% or higher in ENGL 1000Y (100) or cumulatively in 1003H and 1005H. Excludes ENGL – INDG – CAST 361H.

ENGL – CAST 3500Y/3501H – Canadian literature: Periods

This course is about the significance of historical context as it relates to one or more of the vibrant periods in Canada's literary history. Prerequisite: 60% or higher in ENGL 1000Y (100) or cumulatively in 1003H and 1005H. Students may take only one of ENGL 3500Y or 3501H for credit.

ENGL – CAST 3502Y/3503H – Canadian literature: Genre

A study of the development of Canada's lively, eclectic and unique literary traditions in one or more of the following genres; poetry, drama, novel, creative non-fiction and short-fiction. Prerequisite: 60% or higher in ENGL 1000Y (100) or cumulatively in 1003H and 1005H. Excludes ENGL – CAST 265, 353H, 365H. Students may take only one of ENGL 3502Y or 3503H for credit.

ENGL – CAST 3504Y/3505H – Canadian literature: Issues

An examination of an issue in Canadian literature as it relates to identity. Some of the issues to be studied may include race, class, gender, private and public space, celebrity, communities, Romanticism, the uncanny, and regionalism. Prerequisite: 60% or higher in ENGL 1000Y (100) or cumulatively in 1003H and 1005H. Students may take only one of ENGL 3504Y or 3505H for credit.

ENGL – CAST – WMST 3506Y/3507H – Canadian women's writing (see Canadian Studies)**ENGL – CAST 3520Y – Literary landscapes of Montreal (see Canadian Studies)****ENGL 3550Y – Documenting Canada**

This course explores attempts to document "real" aspects of Canadian life in order to question how we think we know about Canada. We will discuss the genres of documentary film, poetry, and prose, the questions of power they raise, and the forms of creativity they generate. Prerequisite: 60% or higher in ENGL 1000Y (100) or cumulatively in 1003H and 1005H. Excludes CAST – WMST 2000Y (200).

ENGL 3600Y/3601H – Critical approaches to literature

This course will examine some of the major critical approaches to literature and interpretation in the 20th century: Formalism, Structuralism and Semiotics, Reader-Response Criticism, New Historicism, Psychoanalytic Criticism, Deconstruction and Feminism. Prerequisite: 60% or higher in ENGL 1000Y (100) or cumulatively in 1003H and 1005H. Excludes ENGL 305, 325. Students may take only one of ENGL 3600Y or 3601H for credit.

ENGL – WMST 3603H – Theories of feminism, gender and sexuality

A thematically based course providing an introduction to the nature and methods of feminist critical theory, with a special emphasis on the ways in which theories of gender and sexuality affect the practice of literary theory and criticism. Prerequisite: 60% or higher in ENGL 1000Y (100) or cumulatively in 1003H and 1005H. Excludes ENGL 306H.

ENGL 3604Y/3605H – Theories of race and ethnicity

A thematically-based course providing an introduction to the nature and methods of critical theories on race, ethnicity, and national culture, with an emphasis on the ways in which theories of race and ethnicity affect the practice of literary theory and criticism. Prerequisite: 60% or higher in ENGL 1000Y (100) or cumulatively in 1003H and 1005H. Students may take only one of ENGL 3604Y or 3605H for credit.

ENGL 3606Y/3607H – Post-colonial theory

A thematically-based course providing an introduction to the nature and methods of post-colonial critical theories with an emphasis on the ways in which they affect the practice of literary theory and criticism. Prerequisite: 60% or higher in ENGL 1000Y (100), or cumulatively in 1003H and 1005H. Students may take only one of ENGL 3606Y or 3607H for credit.

ENGL – WMST 3700Y/3701H – Gender and literature

A study of relations between gender and writing, with an emphasis on women authors and a female literary tradition. Selected works include a range of genres and periods in literature in English. Prerequisite: 60% or higher in ENGL 1000Y (100) or cumulatively in 1003H and 1005H. Excludes ENGL – WMST 310. Students may take only one of ENGL 3700Y or 3701H for credit.

ENGL 3707H – Literature and globalization

An examination of literary and theoretical texts that interrogate the political, economic and cultural effects of globalization. How does identity work if everyone's hybrid? Does nationality matter in a world run by transnational corporations? What does "authentic" mean in this brave new McWorld? Prerequisite: 60% or higher in ENGL 1000Y (100) or cumulatively in 1003H and 1005H.

ENGL 3808Y – The novel

A study of the development of the English novel, stressing both its thematic and technical aspects. Writers to be studied may include Defoe, Richardson, Fielding, Sterne, Austen, Scott, Emily Brontë, Dickens, Eliot, Hardy, James, Conrad, Lawrence and Woolf. Prerequisite: 60% or higher in ENGL 1000Y (100) or cumulatively in 1003H and 1005H. Excludes ENGL 370.

ENGL 3850Y – Creative writing

The course provides students with practical knowledge of different genres of literature and extends their creative writing skills and their ability to respond to literary works. Students seeking admission must submit a portfolio of written work to the department. Prerequisite: 60% or higher in ENGL 1000Y (100) or cumulatively in 1003H and 1005H.

ENGL 4020D – Honours thesis

A double credit in which instruction in research methods leads to a thesis of about 15,000 words. The department deadline for a thesis abstract and bibliography (signed by the thesis supervisor) is May 1 of the student's third year. See www.trentu.ca/english for details.

ENGL – CUST 4025Y – Advanced studies in literary and critical theory (see Cultural Studies)**ENGL – CUST 4029Y – Advanced studies in science fiction (see Cultural Studies)****ENGL 4100Y/4101H – Advanced studies in Old English language and literature**

Prerequisite: 4.0 credits in English including ENGL 3100Y (230) or 3101H; a cumulative average of 70% or higher in all courses taken. Excludes ENGL 431. Students may take only one of ENGL 4100Y or ENGL 4101H for credit.

ENGL 4120Y/4121H – Advanced studies in Middle English language and literature

Prerequisite: 4.0 credits in English including at least one course that involves learning Middle English (ENGL 2100Y, 3100Y, 3123H, 3125H); a cumulative average of 70% or higher in all courses taken. Excludes ENGL 432. Students may take only one of ENGL 4120Y or ENGL 4121H for credit.

ENGL 4150Y/4151H – Advanced studies in Shakespeare

Prerequisite: 4.0 credits in English, including 3150Y (220); a cumulative average of 70% or higher in all courses taken. Excludes ENGL 420. Students may take only one of ENGL 4150Y or ENGL 4151H for credit.

ENGL 4152Y/4153H – Advanced studies in Renaissance literature

ENGL 4153H topic for 2011-2012: Sex and politics in Elizabethan England. Elizabethan literature demonstrates an unusual preoccupation with the relationships of gender and genre, and emotional and political power. We will explore the phenomenon of Elizabethan "court[er]ship" in Sidney's *Arcadia*, Spenser's *The Faerie Queene*, and selected poems and plays of Shakespeare. Prerequisite: 4.0 credits in English; a cumulative average of 70% or higher in all courses taken. Excludes ENGL 433. Students may take only one of ENGL 4152Y or 4153H for credit.

ENGL 4200Y/4201H – Advanced studies in Restoration and 18th-century literature

Prerequisite: 4.0 credits in English; a cumulative average of 70% or higher in all courses taken. Excludes ENGL 434. Students may take only one of ENGL 4200Y or 4201H for credit.

ENGL 4250Y/4251H – Advanced studies in the Romantics

Prerequisite: 4.0 credits in English; a cumulative average of 70% or higher in all courses taken. Excludes ENGL 435. Students may take only one of ENGL 4250Y, 4251H or 4253H for credit.

ENGL 4300Y/4301H – Advanced studies in American literature

ENGL 4300Y topic for 2011-2012: Evil in four American novelists. Updike claims that the American literary tradition "maps the visible in a New World that feels surrounded by chaos and emptiness." Evil is a concept central to American literature. The course examines this concept and its relationship to style in the work of Melville, James, Faulkner, and Updike. Prerequisite: 4.0 credits in English; a cumulative average of 70% or higher in all courses taken. Excludes ENGL 475. Students may take only one of ENGL 4300Y or 4301H for credit.

ENGL 4400Y/4401H – Advanced Studies in Victorian literature

ENGL 4400Y topic in Oshawa for 2011-2012: The Brontës: Achievements and legacies. Examines selected works by each of the Brontë sisters, assessing their place in 19th-century literary studies, particularly in terms of the novel, and considering their significance for writers to come. Texts will include re-tellings of Brontë novels by 20th-century writers. Prerequisite: 4.0 credits in English; a cumulative average of 70% or higher in all courses taken. Excludes ENGL 436. Students may take only one of ENGL 4400Y or 4401H for credit.

ENGL 4450Y/4451H – Advanced studies in postcolonial literature

Prerequisite: 4.0 credits in English; a cumulative average of 70% or higher in all courses taken.
Students may take only one of ENGL 4450Y or 4451H for credit.

ENGL – CAST 4500Y/4501H – Advanced Studies in Canadian literature

ENGL 4500Y topic for 2011-2012: Autobiographical fiction and the “biotext” in Canadian literature. This course explores 20th-century autobiographical fiction and the more recent “biotext” as defined by Joanne Saul in *Writing the Roaming Subject: The Biotext in Canadian Literature*. Writers to be studied may include Montgomery, Mitchell, Buckler, Roy, Laurence, Munro, Atwood, Kogawa, Hill, Mistry, Selvadurai, Badami, Ondaatje, Marlatt and Wah. Prerequisite: 4.0 credits in English; a cumulative average of 70% or higher in all courses taken. Excludes ENGL – CAST 465. Students may take only one of ENGL 4500Y or 4501H for credit.

ENGL 4600Y/4601H – Advanced studies in critical approaches to literature

Prerequisite: 4.0 credits in English; a cumulative average of 70% or higher in all courses taken.
Students may take only one of ENGL 4600Y or 4601H for credit.

ENGL – CAST – WMST 4662Y – Representations of the other in contemporary Canadian writing (see Canadian Studies)**ENGL 4800Y – Advanced studies in genre**

Prerequisite: 4.0 credits in English; a cumulative average of 70% or higher in all courses taken.
Excludes ENGL 470.

ENGL 4801H – Advanced studies in genre

ENGL 4801H topic in Peterborough for 2011-2012: Producing punk, 1976-1980. An investigation into the meaning of style, the politics of popular music, and the production, transmission and reception of punk. We will approach the subject theoretically (using Hebdige's *Subculture*, Marcus's *Lipstick Traces*, Frith's *Performing Rites*), historically (reading Savage's *England's Dreaming*), and analytically (reading punk lyrics, fanzines, album covers and ephemera). Prerequisite: 4.0 credits in English; a cumulative average of 70% or higher in all courses taken. Excludes ENGL 470.

ENGL 4801H topic in Oshawa for 2011-2012: TBA. Prerequisite: 4.0 credits in English; a cumulative average of 70% or higher in all courses taken. Excludes ENGL 470.

ENGL 4802Y/4803H – Advanced studies in modern poetry

Prerequisite: 4.0 credits in English; a cumulative average of 70% or higher in all courses taken.
Excludes ENGL 440. Students may take only one of ENGL 4802Y or 4803H for credit.

ENGL 4804Y/4805H – Advanced studies in modern drama

Prerequisite: 4.0 credits in English; a cumulative average of 70% or higher in all courses taken.
Excludes ENGL 450. Students may take only one of ENGL 4804Y or 4805H for credit.

ENGL 4806Y/4807H – Advanced studies in modern fiction

Prerequisite: 4.0 credits in English; a cumulative average of 70% or higher in all courses taken.
Excludes ENGL 460. Students may take only one of ENGL 4806Y or 4807H for credit.

ENGL 4850Y/4851H – Advanced seminar in creative writing

Prerequisite: 4.0 credits in English; a cumulative average of 70% or higher in all courses taken.
Excludes ENGL 375. Students may take only one of ENGL 4850 or 4851H for credit.

ENGL 4900Y, 4901H – Reading course

The course allows the student to select, with the approval of the department, an area for research study which is then pursued under the direction of a member of the department. Students wishing to take ENGL 4900Y must secure the agreement of a faculty member to supervise the course and must apply for permission to take ENGL 4900Y through the Academic Program Advisor, prior to the commencement of the session in which the course will be offered. See www.trentu.ca/english for details. Prerequisite: 4.0 credits in English; a cumulative average of 70% or higher in all courses taken.

Environmental & Resource Science/Studies

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Professor and Chair of the Program

S. Bocking, B.Sc., M.A., Ph.D. (Toronto)

Professors

P. Dillon, B.Sc., M.Sc., Ph.D. (Toronto); **R. D. Evans**, B.Sc. (Toronto), Ph.D. (McGill) (*on leave Fall term*); **M. G. Fox**, B.A. (Pennsylvania), M.E.Des. (Calgary), Ph.D. (Queen's); **S. E. Franklin**, B.E.S., M.A., Ph.D. (Waterloo); **C. D. Metcalfe**, B.Sc. (Manitoba), M.Sc. (New Brunswick), Ph.D. (McMaster); **D. Torgerson**, B.A. (California-Berkeley), M.E.S. (York), M.A., Ph.D. (Toronto)

Associate Professors

J. Aherne, B.A. (TCD), M.Appl.Sc (UCD), Grad. Dipl. (TCD), Ph.D. (UCD); **C. Furgal**, B.Sc. (Western), M.Sc., Ph.D. (Waterloo); **M. Havas**, B.Sc., Ph.D. (Toronto); **H. Hintelmann**, B.Sc., Ph.D. (Hamburg); **R. Ponce-Hernandez**, B.Eng., M.Sc. (Chapingo), D.Phil. (Oxford); **D. G. Holdsworth**, B.Sc. (Waterloo), M.Sc. (McMaster), Ph.D. (Western) (*on leave 2011-2012*); **D. Wallschläger**, Ph.D. (Bremen) (*on leave Winter term*); **S. Watmough**, B.Sc. (Liverpool Polytechnic), Ph.D. (Liverpool John Moores); **T. Whillans**, B.A. (Guelph), M.Sc., Ph.D. (Toronto)

Assistant Professor

S. Hill, B.Sc., B.A. (Queen's), Ph.D. (Calgary) (*on leave 2011-2012*)

Adjunct Faculty

A. Persaud, B.Sc., M.Sc. (York), Ph.D. (Trent)

Demonstrator/Technicians

D. E. Howard, B.Sc. (McGill), M.Sc. (Trent); **R. K. Loney**, B.Sc. (Toronto)

Associated Faculty

Biology: **P. Frost**, **E. Nol**, **J. Schaefer**, **M. Xenopoulos**. *Chemistry*: **D. Ellis**, **C. Guéguen**, **I. Svishchev**. *Economics*: **L. Vojtassak**. *Geography*: **J. M. Buttle**, **P. M. Lafleur**, **S. Wurtele**. *History*: **F. Dunaway**. *Indigenous Studies*: **D. Longboat**. *Gender & Women's Studies*: **W. Milne**

Professors Emeriti

W. F. J. Evans, M.A., Ph.D. (Saskatchewan), F.R.S.C.; **T. C. Hutchinson**, B.Sc. (Manchester), Ph.D. (Sheffield), F.R.S.C.; **D. Mackay**, B.Sc., Ph.D. (Glasgow); **R. C. Paehlke**, B.A. (Lehigh), M.A. (New School for Social Research), Ph.D. (British Columbia); **M. L. Rubinoff**, B.A. (Queen's), M.A., Ph.D. (Toronto)

The Environmental & Resource Science/Studies program is an interdisciplinary program offering an Honours B.A. in Environmental & Resource Studies and an Honours B.Sc. in Environmental and Resource Science. Students may earn a single-major degree or a joint-major degree with any of more than 20 other University departments or programs that offer Honours degrees. The program also offers an Honours B.E.S.S. in Environmental Science/Studies, an Honours and General B.Sc. in Environmental Chemistry with the Chemistry Department, an Honours B.Sc. in Ecological Restoration with Fleming College, an Honours and General B.A. and a B.Sc. in Indigenous Environmental Studies with the Indigenous Studies Program, and an interdisciplinary B. A. and B.Sc. in Sustainable Agriculture and Food Systems. The program offers a high degree of flexibility in course selection, including options for a year abroad, community research placements, research/training internships within and outside of the University, and participation in Emphases in Conservation Biology, Food & Agriculture, Geographical Information Systems, Health Sciences, Law & Policy, Northern & Polar Studies, and Teacher Education.

Notes

- Students who have taken Grade 12 Environmental Science in Ontario or the equivalent may choose to write a test during introductory week, on which a grade of at least 60% will exempt them from taking ERSC 1000Y (or 1010H and 1020H). This exemption will not, however, alter the minimum number of credits in Environmental & Resource Science/Studies required for the degree.
- Enrolment limits will apply to some courses. Please refer to the Academic Timetable for information about Registration procedures.
- Science courses, which fulfill University requirements for the B.Sc., are designated Environmental & Resource Science (ERSC); arts courses are designated Environmental & Resource Studies

(ERST). Courses that are labelled ERSC/ERST are arts courses that may be taken as science with permission of the instructor.

- Any course involving work with live vertebrate animals requires the Animal Care Course which is described on [p. 30](#) of the calendar. The Animal Care Course requirement is indicated in some course descriptions, but may also apply to others. Check with the program secretary or course instructor if in doubt.
- For the most complete and up-to-date information on the Environmental & Resource Science/Studies program – courses, faculty, procedures, policies, special events, etc. – see the program website at www.trentu.ca/ers.
- It is not possible to do a minor in Environmental & Resource Science, Environmental & Resource Studies or Environmental Science/Studies.
- Students who have taken CHEM 1000H and 1010H and achieved a mark of at least 70% are exempt from the requirement to take ERSC 2220H for the B.Sc. or B.E.S.S. degrees. This exemption will not, however, alter the minimum number of credits in Environmental & Resource Science/Studies required for the degree.

BACHELOR OF ARTS AND BACHELOR OF SCIENCE PROGRAMS IN ENVIRONMENTAL & RESOURCE SCIENCE/STUDIES

- See related degrees also co-administered by the Environmental & Resource Science/Studies Program as follows:
 - Bachelor of Science and Bachelor of Arts in Indigenous Environmental Studies (see [p. 159](#))
 - Bachelor of Science in Environmental Chemistry (see [p. 128](#))
 - Bachelor of Science in Ecological Restoration (see [p. 93](#))
 - Bachelor of Science and Bachelor of Arts in Sustainable Agriculture & Food Systems (see [p. 242](#))
- Diploma in Indigenous Environmental Studies (see [p. 160](#))
- For the Emphasis in Geographic Information Systems, see [p. 252](#)
- For the Emphasis in Food & Agriculture, see [p. 252](#)

Note, the following specializations in Environmental & Resource Science/Studies have been discontinued: Ecological Management; Environmental Politics, Policy & Law; Environmental Toxicology. Students currently registered in those specializations will still be able to complete them and should consult the Chair of the Environmental and Resource Science/Studies program for information.

BACHELOR OF ARTS PROGRAM IN ENVIRONMENTAL AND RESOURCE STUDIES

- See [p. 28](#) for requirements which apply to all undergraduate degree programs.
- The same course may not simultaneously satisfy the requirements of both programs in a joint-major degree.

The single-major Honours program. 20.0 credits including the following 10.0 credits:

- 1.0 ERSC credit from ERSC 1000Y (100), or 1010H (101H) and 1020H (102H)
- 1.5 ERSC/ERST credits from ERSC 2240H, ERST 2520H, 2525H, 2570H (257H), ERST – GEOG 2510H
- 0.5 ERSC/ERST credit from ERSC 2080H, 2090H, 2150H (215H), 2300H (230H), 3501H, ERSC – BIOL 2700Y (270), ERST-POST 2100H (210H)
- 7.0 ERSC or ERST credits in addition to the above including at least 5.0 from beyond the 2000-level, at least 2.0 of which must be at the 4000-level
- 1.0 credit in ERSC beyond the 1000-level must be included in the 10.0 credit total

The joint-major Honours program. 20.0 credits including the following 7.0 credits:

- 1.0 ERSC credit from ERSC 1000Y (100), or 1010H (101H) and 1020H (102H)
- 1.5 ERSC/ERST credits from ERSC 2240H, ERST 2520H, 2525H, 2570H (257H), ERST – GEOG 2510H
- 0.5 ERSC/ERST credit from ERSC 2080H, 2090H, 2150H (215H), 2300H (230H), 3501H, ERSC – BIOL 2700Y (270), ERST – POST 2100H (210H)
- 4.0 ERSC or ERST credits in addition to the above including at least 3.0 from beyond the 2000-level, at least 1.0 of which must be at the 4000-level
- 1.0 credit in ERSC beyond the 1000-level must be included in the 7.0 credit total

BACHELOR OF SCIENCE PROGRAM IN ENVIRONMENTAL & RESOURCE SCIENCE

- See [p. 28](#) for requirements which apply to all undergraduate degree programs.
- The same course may not simultaneously satisfy the requirements of both programs in a joint-major degree.

The single-major Honours program. 20.0 credits including the following 10.0 credits:

- 1.0 ERSC credit from ERSC 1000Y (100), or 1010H (101H) and 1020H (102H)
- 1.5 ERSC credits consisting of ERSC 2220H, 2230H, 2240H
- 1.0 ERSC/ERST credit from ERSC 2300H (230H), 3501H, ERST 2520H, 2525H, ERSC – BIOL – GEOG 2080H (208H), ERSC – GEOG 2090H (209H), ERSC – BIOL 2260H (226H), ERST – POST 2100H (210H)
- 6.5 ERSC or ERST credits in addition to the above
- 5.0 ERSC or ERST credits from beyond the 2000-level, at least 2.0 of which must be at the 4000-level, must be included in the 10.0 credit total
- 1.0 ERST credit beyond the 1000-level must be included in the 10.0 credit total
- 14.0 science credits are required for the Honours degree, including 1.0 MATH credit

The joint-major Honours program. 20.0 credits including the following 7.0 credits:

- 1.0 ERSC credit from ERSC 1000Y (100), or 1010H (101H) and 1020H (102H)
- 1.5 ERSC credits consisting of ERSC 2220H, 2230H, 2240H
- 1.0 ERSC/ERST credit from ERSC 2300H (230H), 3501H, ERST 2520H, 2525H, ERSC – BIOL – GEOG 2080H (208H), ERSC – GEOG 2090H (209H), ERSC – BIOL 2260H (226H), ERST – POST 2100H (210H)
- 3.5 ERSC or ERST credits in addition to the above
- 3.0 ERSC or ERST credits from beyond the 2000-level, at least 1.0 of which must be at the 4000-level, must be included in the 7.0 credit total
- 1.0 ERST credit beyond the 1000-level must be included in the 7.0 credit total
- 14.0 science credits are required for the Honours degree, including 1.0 MATH credit

BACHELOR OF ENVIRONMENTAL SCIENCE/STUDIES

- Students applying to this direct entry program will be required to have a minimum admission average of 75%. To remain in the program, students must obtain a grade of 75% or higher in ERSC 1000Y.
- Courses that are identified as “capstone” courses are normally open to students with a minimum cumulative average of 75% in Environmental & Resource Science/Studies courses. Please note that Community-Based Education project courses require a minimum average of 75% in all courses. The capstone courses are: ERSC 4702H, 4850Y, 4860H, 4870H, 4880H, ERST 4700Y, 4701Y/4704H, ERSC/ERST 4010Y/4020D, 4800Y, 4830Y, 4840H, 4900Y, 4910H.
- See [p. 28](#) for requirements which apply to all undergraduate degree programs.

The single-major Honours program. 20.0 credits including the following 13.0 credits:

- 1.0 ERSC credit from ERSC 1000Y (100), or 1010H (101H) and 1020H (102H)
- 0.5 ERSC credit consisting of ERSC 2220H
- 0.5 ERSC credit from ERSC 2230H, 2240H
- 1.0 ERST credit from ERST 2520H, 2525H, ERST – GEOG 2510H (251H)
- 0.5 ERSC credit consisting of ERSC – BIOL – GEOG 2080H (208H)
- 1.5 ERSC/ERST credits from ERSC – GEOG 2090H (209H), ERSC – INDG 2150H (215H), ERSC – BIOL 2260H (226H), ERSC 2300H (230H), ERST – POST 2100H (210H), ERSC 3510H (351H)
- 2.0 ERSC credits from ERSC 3000-level
- 2.0 ERST credits from ERST 3000-level
- 2.0 ERSC credits from ERSC 4000-level
- 2.0 ERST credits from ERST 4000-level
- 1.0 ERSC or ERST capstone course credit must be included in 13.0 credit total

Please consult the academic timetable, available through myTrent, for information on courses that will be offered in 2011–2012 including when they will be scheduled.

ERSC 1000Y – Introduction to environmental science/studies

An interdisciplinary exploration of how humans use, affect, and protect our world, emphasizing the scientific, political and economic dimensions of environmental issues. These dimensions are examined through a series of case studies including: the Trent University environment, urban environments, endangered species, drinking water quality, and the environmental implications of globalization. Excludes ERSC 100, 1010H (101H), 1020H (102H).

ERSC 1010H – Introduction to environmental science/studies: Global perspectives

An interdisciplinary exploration of how humans use, affect and protect our world, emphasizing the scientific, political and economic dimensions of global environmental issues. These dimensions are examined through a series of case studies including: the ecological footprint, ecosystem services, biodiversity, population growth, climate change and the environmental implications of globalization. Excludes ERSC 1000Y (100), 101H. (Offered only in Oshawa.)

ERSC 1020H – Introduction to environmental science/studies: Canadian perspectives

An interdisciplinary exploration of the scientific, political and economic dimensions of Canadian environmental issues. These dimensions are examined through a series of case studies including: drinking water quality and quantity, air pollution, environmental contaminants, climate change and energy policy, and Canadian perspectives in international environmental issues. Recommended: ERSC 1010H. Excludes ERSC 1000Y (100), 102H. (Offered only in Oshawa.)

ERST – CAST – GEOG – INDG 2040Y – Canada: The land (see Canadian Studies)

ERSC – GEOG – BIOL 2080H – Natural science statistics (see Geography)

ERSC – GEOG 2090H – Introduction to Geographical Information Systems (see Geography)

ERST – POST 2100H – Environmental science and politics

This course is about the roles of science in current environmental controversies. Topics examine science and environmental ethics, the application of science to natural resource management, the contribution of science to action on international environmental problems such as climate change, and the role of science in making decisions about environmental risks. Prerequisite: ERSC 1000Y (100) or 1010H (101H) and 1020H (102H) or POST 100. Excludes ERST – POST 210H.

ERSC – INDG 2150H – Environmental assessment techniques for Indigenous communities

This two-week residential field course is designed to provide students with appropriate western scientific theory and basic scientific skills to address environmental assessment and natural resource issues frequently encountered by Indigenous communities. Co- or prerequisite: INDG – ERST 2601Y (260). Not open to students in a Bachelor of Science program. Excludes ERSC – INDG 215, 265.

ERSC 2220H – Environmental assessment: Chemical and laboratory methods

Theory and methods for assessing the impacts of contaminants and related stressors in the environment. Emphasized are environmental chemistry, the nature, mobility and potential impacts of pollutants. Students who have taken CHEM 1000H and 1010H and achieved a grade of at least 70% are exempt from the requirement to take ERSC 2220H. Prerequisite: ERSC 1000Y (100), or 1010H (101H) and 1020H (102H). Excludes ERSC 220, 2210H (221H).

ERSC 2230H – Environmental assessment: Sampling and analysis

Theory and application of sampling design, data analysis and monitoring for environmental assessment of effluent impacts, particularly of industry, municipalities and agriculture. Prerequisite: ERSC 1000Y (100), or 1010H (101H) and 1020H (102H), and 2220H or CHEM 1000H and 1010H (100). Excludes ERSC 220, 2210H (221H).

ERSC 2240H – Ecological assessment for natural resource management

Field survey design, techniques and theory for the assessment of natural resources, including consideration of watershed and local scales, biotic indices, soils, hydrology and policy/legal issues. Prerequisite: ERSC 1000Y (100), or 1010H (101H) and 1020H (102H). Excludes ERSC 220, 2210H (221H).

ERSC – BIOL 2260H – Introductory ecology (see Biology)

ERSC 2300H – Energy science and technology

A discussion of the scientific principles of energy and thermodynamics, and the current and future prospects for energy production, conversion, storage and transmission. Prerequisite: ERSC 1000Y (100) or 1010H (101H) and 1020H (102H). Excludes ERSC 230H.

ERST – GEOG 2510H – Methods in human geography and environmental studies (see Geography)

ERST – CAST 2520H – Natural resource management: Theory and comparative cases

Canadian natural resource management is examined comparatively across resource sectors in the context of theories of self-regulations by users. Prerequisite: ERSC 1000Y (100) or 1010H (101H) and 1020H (102H). Excludes ERST – CAST 250, ERST 2570H (257H).

ERST – CAST 2525H – Critical environmental thinking: Political economy and policy process

The context of market theory and ecological/resource economics is used to provide environmental students with experience in critical thinking. Objectives are to understand the framework of political economy, particularly Canadian, that informs contemporary political and economic practice, and to master basic elements of critical research and writing. Prerequisite: ERSC 1000Y (100) or 1010H (101H) and 1020H (102H) or 1.0 PHIL credit at the 1000-level or POST 1000Y. Excludes ERST – CAST 250, ERST 2570H (257H).

ERST – INDG 2601Y – Introduction to Indigenous environmental studies (see Indigenous Studies)**ERSC – CHEM 2610H – Atmospheric environmental chemistry (see Chemistry)****ERSC – CHEM 2620H – Aquatic environmental chemistry (see Chemistry)****ERSC – BIOL 2700Y – Environmental science for teacher education**

A course in environmental science for teachers (primary and intermediate), focusing on the use of scientific concepts related to air and water pollution, global warming, energy conservation, waste management, natural resource management and environmental stewardship in the curriculum. Emphasis is placed on developing teaching modules at an appropriate grade level. Prerequisite: 5.0 university credits. Normally open only to students who are in the Concurrent or Consecutive Education programs or who are pursuing the Emphasis in Teacher Education, but space will be made available for non-Teacher Education students with an interest in environmental education (consult with instructor). Counts as a 1000-level ERSC credit for ERS majors. Excludes ERSC – BIOL 270.

ERST – ENGL 2705H – Literature and the environment (see English Literature)**ERSC – GEOG 3010H – Fundamentals of Geographical Information Systems analysis**

This course focuses on Geographical Information Systems and analysis in the vector data domain (discrete object representation). It examines the fundamentals of spatial database development and the main analytical operations in vector. Practical application through laboratory exercises with examples from the urban and rural environment is a major component of the course. Prerequisite: ERSC – GEOG – BIOL 2080H (208H) and ERSC – GEOG 2090H (209H). Excludes ERSC – GEOG 301H and students in the G.I.S. Application Specialist Joint Program with Fleming College.

ERSC – GEOG 3020H – Remote sensing of the environment (see Geography)**ERST 3080Y – Waste management**

This course examines current and leading edge methods and systems for waste management and for diversion of used resources from disposal. Related social, economic, health, political and ecological matters are considered within a policy and planning framework. Prerequisite: 1.0 ERSC or ERST credit at the 2000-level or higher. Excludes ERST 308.

ERST – CAST – POST 3100Y – Public policy and the Canadian environment

A comparative study of Canadian environmental policy and the history of the Canadian environmental movement with an emphasis on policies relating to environmental health, energy and materials use, biodiversity, waste management and land use. Prerequisite: 1.0 ERST, CAST, POST or ADMIN credit at the 2000-level or higher. Excludes ERST – CAST – POST 310.

ERST 3110H – Environmental impact assessment: A case study approach

Environmental impact assessment brings together scientific, economic, social and political perspectives in an attempt to anticipate and manage environmental impacts. This course examines different approaches to environmental assessment, contrasting federal with provincial and social with biophysical. Prerequisite: 10.0 university credits including one ERSC or ERST credit at the 2000-level or higher. Excludes ERST 311H.

ERST – CAST – WMST 3140Y/3141H – Women, health and environments (see Gender and Women's Studies)**ERSC 3160H – Community-based natural resource management**

This course examines critically and constructively community-based experiences in the management of natural resources. It explores the topic of self-regulation by resource interest groups, drawing on cases from fisheries, forestry, wildlife and integrated sectors. Traditional and developmental approaches are contrasted. Prerequisite: 1.0 ERSC or ERST credit at the 2000-level or higher. Excludes ERSC 316H.

ERSC 3200Y – Management of forest ecosystems

This course offers an appreciation of the problems in managing forest ecosystems. It looks at the ecological processes which create and maintain forests and at how foresters attempt to manage

them, and the environmental consequences of forestry practices. It then examines case studies drawn from Ontario and other parts of the world. Prerequisite: ERSC – BIOL 2260H (226H) or ERSC 2210H (221H) or 2240H (220). Excludes ERSC 320.

ERST 3250H – Introduction to environmental law

Students will be provided with a comprehensive overview of environmental law in Canada. In particular, the course will examine the key environmental laws and policies at the provincial, federal and international levels. Prerequisite: 10.0 university credits including ERSC 1000Y (100) or 1010H (101H) and 1020H (102H). Excludes 325H.

ERST – PHIL 3300Y – Environmental ethics

A critical examination of ethical issues in environmental theory and practice. Some topics/themes to be covered: the land ethic, the ethics of scarcity, images and concepts of nature, the domination of nature, social benefit and technological risk, the debate among deep ecologists, social ecologists and ecofeminists, sociobiology and environmental cosmology. Prerequisite: 1.0 ERST or PHIL credit at the 2000-level or higher. Excludes ERST – PHIL 330.

ERSC/ERST 3310Y – Environment and ecological risk assessment

Scientific and policy frameworks of environmental/ecological risk assessment are treated as basis for a general theory of environmental assessment. Technical aspects of risk analysis are covered. More important is the exploration of frameworks of decision, evaluation and professional practice, and specific models of management such as political and industrial ecology. This course may be taken as a science credit by successfully undertaking an appropriate technical assignment. Prerequisite: 10.0 university credits, including 0.5 credit ERSC or ERST at the 2000-level or higher. Excludes ERSC/ERST 307H, 317H.

ERST – CAST – GEOG 3330H – Wilderness resources (see Geography)

ERST – CAST 3340H – The Canadian food system: A community development approach

The history of Canada's food and agricultural system is the backdrop to this interdisciplinary course on community development of the system's social, economic, and environmental sustainability of the system. Production, distribution, processing, consumption and regulatory issues are addressed. Community-based research projects are undertaken with local food and agricultural organizations. Field trip fee: \$5. Prerequisite: 10.0 university credits. Recommended: CAST – ERST – GEOG – INDG 2040Y (204) and IDST – ANTH 2210Y (221). Excludes ERST – CAST 334H.

ERSC 3350H – Ecological agriculture

An exploration of the history and scientific basis of agriculture in southern Ontario, and the ecological underpinnings of farming. Nutrient cycling, crop rotation, integrated pest management and tillage practices are discussed. Traditional, conventional and intense systems are considered in the context of sustainability. Farm visits are included. Course materials fee: \$5. Prerequisite: ERSC – BIOL 2260H (226H) or ERSC 2230H and 2240H (220) or 2210H (221H). Students who have successfully completed ERST – CAST 2520H and 2525H (250) or ERST 2570H (257H) may enter the course but must be prepared to do additional background reading. Excludes ERSC 335H.

ERSC 3360H – Agriculture and agricultural alternatives

The course focuses on the origins and domestication of crops and livestock, and on the increasingly narrow genetic resources available to modern production systems. Conventional, intensive and industrial farming systems will be considered, as well as alternatives such as organic farming, permaculture, and use of perennial crops. Farm visits are included. Prerequisite: ERSC 3350H (335H) or ERSC – BIOL 2260H (226H) or ERSC 2230H and 2240H (220) or 2210H (221H). Students who have successfully completed ERST – CAST 2520H and 2525H (250) or ERST 2570H (257H) may enter the course but must be prepared to do additional background reading. Excludes ERSC 336H.

ERSC – BIOL 3380H – Advanced Ecology (see Biology)

ERSC – CHEM – FRSC 3400H – Chromotography (see Chemistry)

ERSC – CHEM – FRSC 3410H – Spectrophotometry and spectroscopy (see Chemistry)

ERSC 3450H – Air pollution chemistry

The sources, distribution and impacts of atmospheric pollutants are examined. The course addresses alternative scientific approaches in investigating atmospheric pollution and modeling systemic responses. Emphasis will be on questions other than climatic change such as tropospheric ozone and acid rain. Prerequisite: CHEM 1000H and 1010H (100) or ERSC 2230H. Excludes ERSC 345H.

ERSC 3501H – Environment and communication: Oral and visual presentation

This course is intended to develop skills for the oral and visual presentation of scientific information to interdisciplinary non-expert audiences. Students work with real scientific data to design and present the findings. Prerequisite: 10.0 university credits including 3.0 science credits. Excludes ERSC 350.

ERSC 3502H – Environment and communication: Writing and reporting

This course develops skills for plain-language communication of environmental science to non-scientific audiences (general public, community groups, decision-makers, media and interdisciplinary workplace groups). Public science literacy, evolving media and new communications technologies are examined. Written assignments in popular formats are emphasized. Prerequisite: 10.0 university credits including 3.0 science credits. Excludes ERSC 350.

ERSC 3510H – Ecology and management of wetland systems

This course involves intensive first-hand study of one type of ecosystem in natural and culturally degraded states. Wetlands occur at the interface of both terrestrial and aquatic ecosystems. Wetland management thus requires understanding of overlapping ecological processes and management practices common to most of Canada. Field trip fee: \$20. Prerequisite: ERSC – BIOL 2260H (226H) or ERSC 2240H (220) or 2210H (221H) or ERST – CAST 2520H and 2525H (250) or ERST 2570H (257H). Excludes ERSC 351H.

ERSC 3550Y – Pollution ecology

The ecological and human health effects of environmental contaminants are examined as they relate to water, air and soil pollution. Emphasis is on science but social issues are also addressed. Knowledge of biology and chemistry is useful. Prerequisite: ERSC 2230H or 2240H (220) or 2210H (221H) or ERSC – BIOL 2260H (226H). Excludes ERSC 355, 3570H (357H), 3580H (358H).

ERSC – GEOG 3560H – Soil science (see Geography)**ERSC 3570H – Pollution ecology of aquatic ecosystems**

This course will familiarize students with ecological and human health effects of selected environmental pollution problems; particularly those related to chemical contaminants and physical changes to water. Prerequisite: ERSC 2230H or 2240H (220) or 2210H (221H) or ERSC – BIOL 2260H (226H). Excludes ERSC 3550Y (355), 357H. (Offered only in Oshawa.)

ERSC 3580H – Pollution ecology in terrestrial ecosystems

This course will familiarize students with ecological and human health effects of selected environmental pollution problems; particularly those related to chemical contaminants and physical changes to terrestrial ecosystems. Prerequisite: ERSC 2230H or 2240H (220) or 2210H (221H) or ERSC – BIOL 2260H (226H). Excludes ERSC 3550Y (355), 358H. (Offered only in Oshawa.)

ERSC – CHEM 3600H – Advanced environmental chemistry I (see Chemistry)**ERST – IDST – POST 3601Y – Environment and development**

This course examines environmental issues and conflicts in developing countries, applying a critical political ecology perspective to a range of current topics, including biodiversity conservation, the World Bank, environmental and social activism, tourism, violence, agricultural biotechnology, and dams. Prerequisite: IDST 2000Y or ERST – POST 2100H or ERST – CAST 2520H (250) or ERST 2570H (257H) or POST 2200Y (200). Excludes ERST – IDST – POST 360.

ERSC – CHEM 3610H – Advanced environmental chemistry II (see Chemistry)**ERST – INDG 3630Y – Issues in Indigenous environmental studies (see Indigenous Studies)****ERSC – GEOG 3650H – Soil management and conservation**

Soils represent one of the most important natural resources from the point of view of sustainable agriculture and forestry, and protection of habitat. This course explores the scientific basis and management options for conservation of soil resources. Prerequisite: ERSC 2240H (220), 2210H (221H) or GEOG 2540H (254H) and 2560H (256H) or GEOG 2400Y (240). Recommended: ERSC – GEOG 3560H (356H). Excludes ERSC – GEOG 365H.

ERSC 3660Y – Biological effects of electromagnetic fields (BEEF)

This course deals with the biological effects of electromagnetic fields ranging in frequency from static to radio frequency radiation generated by technology (technofields), by the earth and sun (geofields) and by other living organisms (biofields). Students conduct major research in an area of their choice. Prerequisite: 10.0 university credits including ERSC 1000Y (100) or 1010H (101H) and 1020H (102H). Recommended: PHYS 1000Y. Excludes ERSC 366.

ERSC – ANTH 3680H – Environmental archaeology (see Anthropology)**ERSC 3700Y – Environmental toxicology**

This course introduces students to the chemical, physical and toxicological properties of organic and inorganic toxicants in aquatic and terrestrial environments. Prerequisite: BIOL 1020H (102H) and 1030H (103H) and either ERSC 2230H (220) or 2210H (221H) or 1.0 CHEM credit at the 1000-level. Excludes ERSC 370, 3750H (375H).

ERST – CAST – GEOG 3720H – Urban environments (see Geography)**ERSC/ERST – INDG 3730Y – Indigenous Peoples, health and the environment**

This course provides an introduction to the multidisciplinary field of environmental health and its application to understanding health among Indigenous Peoples. Students gain understanding of

the concepts, theories and methods used in environmental health and apply this knowledge to the investigation of the changing health status of Indigenous populations. This course may be taken as a science credit by successfully undertaking an appropriate technical assignment. Prerequisite: ERSC 2240H (220) or ERST – INDG 2601Y (260) or ERSC – INDG 2150H (215H) or 265 or NURS 1000H, 1002H and 1010H (100). Excludes ERSC/ERST – INDG 373.

ERSC 3750H – Introduction to environmental toxicology

This course introduces students to the fundamentals of environmental toxicology and the chemical, physical and toxicological properties of chemicals in aquatic and terrestrial environments. Topics include: factors influencing contaminant bioaccumulation, metabolism, mechanisms of toxicity and an introduction to chemical risk analysis. Prerequisite: BIOL 1020H (102H), 1030H (103H) and ERSC 2230H (220) or 2210H (221H) or 1.0 CHEM at the 1000-level. Recommended: ERSC – BIOL – GEOG 2080H (208H). Excludes ERSC 375H, 3700Y (370). (Offered only in Oshawa.)

ERST – HIST 3756H – The environmental crisis: From the atomic bomb to global warming (see History)

ERST – CAST 3780H – Canadian renewable resource economics and project planning

A course designed to introduce students to the economic theory of renewable resources in a Canadian context. It focuses on analyzing renewable resources in Canadian social, political, cultural and regulatory frameworks. It provides students with the opportunity to develop a sustainable economic plan for a particular resource. Prerequisite: 1.0 ERST or CAST credit at the 2000-level or higher. Excludes ERST – ECON – CAST 378H.

ERST – ECON 3810H – Environmental economics (see Economics)

ERSC/ERST 3830Y, 3840H – Community-based research project

Students are placed in research projects with community organizations in the Peterborough or Haliburton area. Each placement is supervised jointly by a faculty member and a representative of a community organization. For details see "Community-Based Education Program" ([p. 245](#)).

ERSC 3850Y, 3860H, 3870H, 3880H – Field course

Spring and summer courses are offered through the Ontario Universities Program in Field Biology.

ERSC/ERST 3900Y, 3901H – Reading course

This is a research course on a specific topic. The course is only open to majors or joint-majors with two B credits (or better) in Environmental & Resource Science/Studies courses. Written permission must be obtained from the appropriate instructor and the chair of the program before registration.

ERSC/ERST 4010Y/4020D – Thesis

This is a major research project combining one credit for Environmental & Resource Science/Studies and one for the other discipline in a joint-major, or counting as two credits for Environmental & Resource Science/Studies. Prerequisite: permission of the thesis course coordinator and a minimum cumulative average of 75% in ERSC/ERST courses. Acceptance in the thesis course is dependent upon the candidate having made arrangements with a suitable supervisor in the program, normally in the final academic term before the thesis course is to commence. All students are required to attend a regularly scheduled workshop and present orally their research proposal and final report. Excludes ERSC 401, 402D, ERST 401, 402D.

ERSC – BIOL 4030H – Research design and data analysis (see Biology)

ERSC – GEOG 4040H – Hydrochemical fluxes in the hydrosphere (see Geography)

ERSC – BIOL – GEOG 4060H – The geochemistry of natural waters

This course will examine the chemistry of freshwater systems. Chemical and physical processes that lead to changes in water quality will be discussed. The emphasis will be on the concentrations and distributions of contaminants. Topics include watershed contributions of chemicals, acidification and the carbonate system, weathering, redox chemistry, trace metals and synthetic organic contaminants. Prerequisite: ERSC 2230H or ERSC – CHEM 2610H, 2620H, or 2600Y (241). Excludes ERSC – BIOL – GEOG 406H.

ERSC – BIOL – GEOG 4070H – The fate of contaminants in the aquatic environment

This course will discuss approaches to predicting the fate of contaminants in aquatic systems. Basic assumptions and algorithms of fate models for toxic metals and organic xenobiotics will be examined and students will get hands-on experience in applying recent models to case studies. Prerequisite: ERSC – GEOG – BIOL 4060H (406H). Excludes ERSC – BIOL – GEOG 407H.

ERSC – BIOL 4120H – Environmental carcinogenesis

This course introduces students to the epidemiological, toxicological and molecular basis of carcinogenesis in humans, with an emphasis on environmental carcinogenesis. Prerequisite: BIOL 1020H (102H), 1030H (103H) and ERSC 2230H (220) or 2210H (221H) or 1.0 CHEM credit at the 1000-level or higher. Excludes ERSC – BIOL 412H.

ERSC – BIOL 4240H – Fisheries assessment and management

Principles and practices of fisheries assessment and management, including an examination of management problems in freshwater and marine fisheries from an ecological, socio-economic and policy perspective. Topics include stock assessment techniques, stocking and fertilization, management of warmwater and coldwater species, and local management initiatives. Prerequisite: ERSC – BIOL 2260H (226H) or ERSC 2210H (221H) or 2240H (220); 10.0 university credits. Recommended: one of ERSC 3510H (351H), BIOL 3050H (305H) or 3140H (314H). Students who have successfully completed ERST – CAST 2520H and 2525H (250) or ERST 2570H (257H) may take the course, but must be prepared to do additional background reading. Excludes ERSC – BIOL 424H.

ERST 4250H – Environmental law and regulation

This course is intended to provide students with a practical and detailed examination of the enactment, enforcement and limitations of environmental law and policy. The course will emphasize Ontario's environmental regime and will focus on a recent case study. Prerequisite: 10.0 university credits. Recommended: ERST 3250H (325H). Excludes ERST 425H.

ERSC – BIOL 4330H – Global change of aquatic ecosystems (see Biology)**ERSC 4350H – Climatic change**

This course will examine the meteorological principles, measurements and models that are the basis of current understanding of climatic change. It addresses in particular, the biological impacts of climatic changes and the ways in which these biological changes might affect human resources and the process of climatic change itself. Prerequisite: 10.0 university credits including ERSC 1000Y (100) or 1010H (101H) and 1020H (102H) or GEOG 1040H (104H) or PHYS 1000Y (100) or BIOL 1020H (102H) and 1030H (103H). Excludes ERSC 435H.

ERSC – BIOL 4390H – Conservation biology (see Biology)**ERSC – CHEM 4410H – Advanced analytical chemistry (see Chemistry)****ERSC – GEOG 4450H – Spatial modeling with GIS (see Geography)****ERSC 4520H – Restoration ecology**

This course is about the science of restoring and rehabilitating ecosystems. Principles, applications and practical case studies are covered. No regular field or laboratory work is scheduled but some required field site visits are planned. Prerequisite: 10.0 university credits including ERSC – BIOL 2260H (226H) or ERSC 2240H (220) or 2210H (221H) or ERST – CAST 2520H and 2525H (250) or ERST 2570H (257H). Excludes ERSC 452H.

ERSC 4530H – Remediation and reclamation of sites

This course examines conventional and emerging techniques used to reclaim and remediate degraded sites. Canadian cases are used to illustrate the relationship between principles of science, management and policy. Prerequisite: 10.0 university credits including two of ERSC 2230H, 2240H (220), ERST-CAST 2520H (250), ERSC-BIOL 2260H (226H). Excludes ERSC 495H.

ERSC – CAST – POST 4600H – Public policy in global perspective

This course focuses on Canadian national and provincial economic, health and social policies in the context of global politics while giving special attention to the linkages of these policy areas to environmental issues. Case studies and projects involving primary research are emphasized. Prerequisite: 10.0 university credits. Excludes ERST – POST – CAST 460H.

ERST – IDST – POST 4610H – Global environmental policy

This course focuses on perspectives, actors, institutions and economic relationships as they relate to global environmental policy and instruments. The aim is to provide students with a solid understanding of linkages between the global political system and the natural environment. Prerequisite: 10.0 university credits. Recommended: one of ERST – IDST – POST 3601 (360), ERST – CAST – POST 4600H (460H) or POST 220. Excludes ERST – IDST – POST 461H.

ERSC – GEOG 4640H – Integrated watershed management: Approaches and methods

Integrated ecosystems management is the focus of this course. It deals, first, with the methodological and practical aspects of watershed assessment, planning, decision-making and management. Then, it examines comparatively the management of watersheds in the developing world, introducing students to strategies for planning and managing watersheds through case studies. Prerequisite: 10.0 university credits including ERSC 2210H (221H) or 2240H (220) or ERSC – BIOL 2260H (226H) or ERST – CAST 2520H and 2525H (250) or ERST 2570H (257H) or both GEOG 2540H (254H) and 2560H (256H). Excludes ERSC – GEOG 464H.

ERST – CAST – HIST 4670H – Environmental history

This course examines how our ideas about the environment, and our use of the environment, have changed over time. Specific topics include evolving ideas about natural resources and wilderness, changing perspectives on the urban environment, and the interaction between science and environmental politics during the last century. Prerequisite: 10.0 university credits. Excludes ERST – CAST – HIST 467H.

ERST 4700Y – Senior seminar in environmental philosophy

This is a senior seminar covering selected advanced topics in environmental theory and environmental philosophy, such as “environmental imagination,” “environmental cosmology” or “conceptions of nature.” Core themes that will be addressed at each offering include the concept of nature, history of environmental thought and postmodernism. Prerequisite: ERST – PHIL 3300Y (330) or one 3000-level PHIL credit, minimum cumulative average of 75% in Environmental & Resource Science/Studies courses.

ERST 4701Y/4704H – Senior seminar in environmental politics

This course covers advanced topics in the cultural, political, and social evaluation of environmental issues and problems. Each year will cover a specific theme, such as environmental professional practice, the normal and the pathological in ecology or environmental sociology. Core topics will include environmental standards, political ecology and complex systems theory. Prerequisite: ERSC 1000Y (100) or 1010H (101H) and 1020H (102H), one 3000-level POST credit, minimum cumulative average of 75% in Environmental & Resource Science/Studies courses. Recommended: ERSC/ERST 3310Y.

ERSC 4703H– Senior seminar in environmental science

Students and faculty will examine developing and controversial environmental subjects through seminars, group discussions and research projects. The focus of the course will change annually, addressing emerging issues in climate change, toxicology, natural resources, and ecological restoration. Prerequisite: two 3000-level ERSC courses, minimum cumulative average of 75% in Environmental & Resource Science/Studies courses. Excludes ERSC 4702Y.

ERST – INDG 4730Y – Sustainable Indigenous communities (see Indigenous Studies)**ERSC/ERST – INDG – NURS 4740Y – Critical investigations in Indigenous Peoples health and the environment: Indigenous Environmental Studies collegium (see Indigenous Studies)****ERSC/ERST 4800Y – Greening the campus**

This course examines how institutions manage their impacts on the environment, with a special focus on Trent University. Students will learn the theory and practice of institutions, examining how environmental decisions are made. They will also complete a substantial research project on some aspect of the campus environment. Prerequisite: 10.0 university credits including ERSC 1000Y (100) or 1010H (101H) and 1020H (102H), minimum cumulative average of 75% in Environmental & Resource Science/Studies courses. Excludes ERST 480.

ERST 4810H – Ecological design

This course explores design process and ecological design principles related to human use of the land and sustainability. Lectures include design theory and communication, storm-water management, stream bio-engineering, developing site analysis skills for design, green buildings and urban design strategies. Students will apply lecture knowledge to a semester-long project. Prerequisite: 10 university credits including one of ERSC 2240H (220), ERST – CAST 2520H, 2525H (250), ERST 2570H (257H), ERSC – BIOL 2260H (226H). Excludes ERST 495H.

ERSC/ERST 4830Y, 4840H – Community-based research project

Students are placed in research projects with community organizations in the Peterborough or Haliburton area. Each placement is supervised jointly by a faculty member and a representative of a community organization. Prerequisite: 10.0 university credits; minimum cumulative average of 75%. For details see “Community-Based Education Program” ([p. 245](#)).

ERSC 4850Y, 4860H, 4870H, 4880H – Field course

Spring and Summer courses are offered through the Ontario Universities Program in Field Biology. Students wishing to count OUPFB field courses as capstone courses require permission of program chair.

ERSC/ERST 4900Y, 4901H – Reading course

This is a research course on a specific topic. The course is only open to majors or joint-majors in the program with a B average (or better) in Environmental & Resource Science/Studies courses. Written permission must be obtained from the appropriate instructor and chair of the program before registration.

ERST – WMST 4990H – Gender and environmental justice (see Gender & Women's Studies)

Environmental Chemistry

Program Coordinators

Chair of the Chemistry Department

D. A. Ellis, B.Sc. (Glasgow), M.Sc. (Aberdeen), M.Sc., Ph.D. (Toronto)

Chair of the Environmental & Resource Science/Studies Program

S. Bocking, B.Sc., M.A., Ph.D. (Toronto)

Professors

See listings of faculty in Chemistry and Environmental & Resource Science/Studies.

Solving many environmental problems requires a solid background in both chemistry and environmental science. The Environmental Chemistry program has been designed to provide a thorough grounding in fundamental chemical principles as well as a detailed understanding of environmental issues and their scientific context. Graduates of the program will have experience with advanced instrumentation and modern analytical techniques, and will be prepared to handle challenging environmental problems from a multidisciplinary perspective.

BACHELOR OF SCIENCE PROGRAM IN ENVIRONMENTAL CHEMISTRY

- See [p. 28](#) for requirements which apply to all undergraduate degree programs.
- The Environmental Chemistry program is a sequence of courses offered by the Chemistry department and the Environmental & Resource Science/Studies program that compose an integrated whole.
- There is no minor in Environmental Chemistry.
- There is no joint-major program in Environmental Chemistry.
- ERSC 3550Y (355) and 4350H (435H) are recommended for both the Honours and the General program.
- CHEM – ERSC 3600H and 3610H are highly recommended.
- Students wishing to transfer to a single-major program in Chemistry or Environmental & Resource Science should consult the chair of the appropriate department/program when they have successfully completed 8.0 to 10.0 university credits.
- For information on individual courses see calendar entries for Chemistry and for Environmental & Resource Science/Studies.

The Honours program. 20.0 credits which include the following 14.0 credits:

- 4.5 CHEM credits consisting of CHEM 1000H and 1010H (or 100), 2500H and 2510H (or 200), 2400H (240H), CHEM – ERSC 2610H and 2620H, or 2600Y (241), 3400H (342H), 3410H (343H)
- 1.0 CHEM credit from CHEM 2100H and 2110H (or 212) for organic chemistry; or from CHEM 2200H (321H) and 3200H (323H) for inorganic chemistry
- 0.5 CHEM credit from 4520H, 4510H (408H), 4400H (441H), or CHEM – ERSC 4410H (442H)
- 4.0 ERSC credits consisting of 1000Y (100) or 1010H (101H) and 1020H (102H), 2240H (220), 3450H (345H), 3700Y (370), 4060H (406H) and 4070H (407H)
- 2.0 CHEM or ERSC credits in addition to the above, beyond the 2000-level
- 1.0 BIOL credit consisting of BIOL 1020H (102H) and 1030H (103H)
- 1.0 MATH credit from MATH 1100Y (110) or 1101Y or from MATH 1005H (105H) and another 0.5 MATH credit

The General program. 15.0 credits which include the following 11.5 credits:

- 3.5 CHEM credits consisting of either CHEM 1000H and 1010H (or 100), 2500H and 2510H (or 200), 2400H (240H) and CHEM – ERSC 2610H and 2620H, or 2600Y (241)
- 1.0 CHEM credits from CHEM 2100H and CHEM 2110H (or 212) for organic chemistry; or from CHEM 2200H (or 321H) and CHEM 3200H (or 323H) for inorganic chemistry
- 0.5 CHEM credits from CHEM – ERSC 3400H (342H) or 3410H (343H)
- 3.0 ERSC credits consisting of ERSC 1000Y (100) or 1010H (101H) and 1020H (102H), 2240H (220), 3450H (345H) and 3700Y (370)
- 1.5 ERSC credits in addition to the above
- 1.0 credit consisting of BIOL 1020H (102H) and 1030H (103H)
- 1.0 MATH credit from MATH 1100Y (110) or 1101Y or from MATH 1005H (105H) and another 0.5 credit in MATH

Forensic Science

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Web: www.trentu.ca/forensicscience

Chair of the Program

To be named

Associate Professor and Canada Research Chair

P. J. Wilson, B.Sc., M.Sc., Ph.D. (McMaster)

Associate Professors

J. Freeland, B.Sc. (Saskatchewan), M.Sc., Ph.D. (Queen's); **B. Saville**, B.Sc. (Guelph), M.Sc., Ph.D. (Toronto)

Assistant Professors

C. Kyle, B.Sc. (Bishop's), M.Sc. (Guelph), Ph.D. (Alberta); **K. Conrad**, B.Sc. (Acadia), M.Sc. (Calgary), Ph.D. (Queens)

Trent University's Forensic Science program offers two degree options: a Bachelor of Science degree in Forensic Science (B.Sc.F.S.), and a joint-major degree.

The Bachelor of Science degree in Forensic Science (B.Sc.F.S.) is a direct-entry professional degree program with a limited number of student places. This program integrates the study of science and law with investigative practice and theory. Students in Trent's Forensic Science degree program will learn the foundational science of forensics through the study of anthropology, biology and chemistry. These foundational science courses will complement the specialized forensics courses offered in the program. The degree particularly emphasizes emerging developments in DNA forensic applications and crime scene investigation through courses in laboratory techniques and related case work.

From the beginning of their forensic studies at Trent, students are fully immersed in a functioning forensic research and service environment located in the DNA Building. Students will practice casework, learn team-building, analyze ethical and legal issues related to evidence, and face the challenge of communicating complex scientific evidence within the legal system. Students in the program will also participate in a placement/mentorship course where they gain valuable 'real-world' experience and begin to develop their professional network.

The joint-major degree option offered by the Forensic Science program can be taken in conjunction with other departments or programs including, but not limited to, biology, psychology, chemistry, computer and information systems, physics, and anthropology. Students enrolled in the joint-major degree can enrol in a number of the same courses that are provided to B.Sc.F.S. students and have the option of obtaining either an Honours Bachelor of Science (B.Sc.) or an Honours Bachelor of Arts (B.A.) degree.

Admission Requirements

The B.Sc.F.S. is a direct-entry program with a limited number of student places. A high school diploma and six Ontario U/UC credits including one 4U credit in each of Chemistry, Biology, English and Mathematics are required for admission. 4U Physics is highly recommended. Normally students with an overall average lower than 75% will not be admitted to the program.

For students in the joint-major Honours program, see General Admission Requirements in the calendar.

Application Procedure

Applications for the B.Sc.F.S. program are to be submitted to:

Ontario Universities' Application Centre
Application code: RU
Program name: Forensic Science

Applications for the joint-major program are to be submitted to:

Ontario Universities' Application Centre
Application code: RS or RA

Note: students pursuing a joint-major in science use application code RS; students pursuing a joint-major in arts use application code RA. Program name: Joint-major Forensic Science.

BACHELOR OF SCIENCE IN FORENSIC SCIENCE

- See [p. 28](#) for requirements which apply to all undergraduate degree programs.
- For information on individual courses see calendar entries for Anthropology, Biology and Chemistry.
- A maximum of 3.0 credits with D grades (50-59%) can be counted toward the degree. These cannot be in sole-listed Forensic Science courses.
- A completed-for-credit average of 65% is required for the B.Sc.F.S. degree program.
- Students must successfully complete all required courses in a given year before proceeding to the next year of the program.

Year 1

- 1.5 FRSC credits consisting of FRSC 1010H and 1011H (or 101), and 1100H (110H)
- 3.5 credits in BIOL 1030H (103H), 1050H, 1051H (105), CHEM 1000H, 1010H (100), MATH 1050Y (150)

Students will be introduced to the basic concepts of forensics through a case-based course integrating use of scientific evidence, critical argument and reporting media. Biology and chemistry courses provide a base for subsequent work. Issues related to society and justice are introduced within a forensic context.

Year 2

- 2.0 FRSC credits consisting of FRSC 2010H (201H), 2020H, 2100H, FRSC – PHYS 1020H
- 2.0 credits consisting of ANTH 1010H (101H), FRSC – BIOL 2050H (205H), 3620H (362H), BIOL – CHEM 2300H (231H)
- 1.0 credit in addition to the above

Forensic techniques and legal procedures are presented in detail for the first time. The students shift from general science courses to science courses more directly related to forensic analyses and begin study in anthropology to prepare for course-work in the next two years. Students will also gain hands-on experience through their placement course.

Year 3

- 2.0 FRSC credits consisting of FRSC 3000H (300H), 3010H (301H), 3100H (310H), 3110H (311H)
- 2.0 credits consisting of ANTH 2400Y (240), BIOL 3080H (308H), CHEM 2400H (240H)
- 1.0 credit in addition to the above

The forensic case-based education of first-year and the detailed treatment of technical and legal issues in second-year are now followed by a crime scene investigation course and a course on trends in forensic science that synthesizes and re-integrates the two approaches and introduces new forensic techniques. Students build on the technical and theoretical competencies developed in forensic-related biology and chemistry and are now prepared for a course devoted solely to forensic DNA.

Year 4

- 0.5 FRSC credit consisting of FRSC 4312H (312H)
- 2.0 credits consisting of FRSC – ANTH – BIOL 3415Y (ANTH – BIOL 341), FRSC – BIOL 4600H (460H), FRSC – CHEM – ERSC 3400H (343H)
- 0.5 credit from FRSC – CHEM – ERSC 3410H (342H) or FRSC 4570H
- 2.0 FRSC credits consisting of FRSC 4020D (402D); or 1.0 FRSC credit from FRSC 4010Y (401), or 4890Y and 1.0 science credit

The final year of the program provides an opportunity to become a researcher and practitioner through independent study, placement or thesis research.

BACHELOR OF ARTS OR SCIENCE – JOINT-MAJOR HONOURS PROGRAM

- See [p. 28](#) of calendar for requirements which apply to all undergraduate degree programs
- The same course may not simultaneously satisfy the requirements of both programs in a joint-major degree
- Students may obtain a joint-major in Forensic Science leading to either a B.A. or a B.Sc.
- Courses in Forensic Science fulfilling University science course requirements for the B.Sc. are marked (Sc) in the individual course descriptions.

The joint-major Honours program. 20.0 credits including the following 7.0 credits:

- 1.0 FRSC credit consisting of FRSC 1010H and 1011H (or 101)
- 4.0 FRSC credits from FRSC 1100H, 2100H, 2110H, 2020H, 3000H, 3010H, 3100H, 3110H, 3900H, 4020D, 4570H, 4600H, 4890H
- 2.0 FRSC credits from FRSC – BIOL 2050H, 3330H, 3620H, 4510H, FRSC – COIS 2750H, FRSC – HIST 3751Y, FRSC – PHYS 1020H, FRSC – ANTH – BIOL 3415Y, FRSC – ERSC – CHEM 3400H or 3410H
- for the B.Sc., 14.0 science credits are required for the Honours degree, including 1.0 MATH credit

Please consult the academic timetable, available through myTrent, for information on courses that will be offered in 2011–2012 including when they will be scheduled.

FRSC 1010H – Introduction to Forensic Science (Sc)

This course will introduce students to forensic science by exploring multiple disciplines, including forensic psychology, chemistry, entomology, pathology, and dentistry, plus DNA forensics, wildlife forensics, arson investigation, food forensics, and bioterrorism. Students will also be instructed in investigative procedures using the new crime scene house. Excludes FRSC 101.

FRSC 1011H – Introduction to crime scene investigation (Sc)

This course will introduce students to forensic investigations and crime scene processing. Students will be instructed how to gather and document scientific evidence while processing crime scenes in the new crime scene house, and will then present their findings as written reports, and as expert witnesses in a courtroom setting. Excludes FRSC 101.

FRSC – PHYS 1020H – Forensic physics (See Physics)

FRSC 1100H – Introduction to Canadian justice

This course will introduce students to current issues in criminal justice, and will emphasize the study of civil and administrative laws, and the processes and systems that structure the enforcement of these laws. Particular attention will be given to investigative and evidentiary responsibilities. Excludes FRSC 110H.

FRSC 2010H – Mentorship/placement

Students gain first-hand experience of the practice of forensic science in one of its three dimensions – science, policing, or law – and will apply the theories and concepts acquired in their first year of the program. Open only to students registered in the B.Sc.F.S. program. Prerequisite: 60% in FRSC 1010H and 1011H (or 101). Excludes FRSC 201H.

FRSC 2020H – Scientific methodology in forensic science (Sc)

This course provides an introduction to the scientific method, data management and basic statistics as a foundation for collecting, analyzing and presenting scientific data in a scientific or forensic setting. Prerequisite: completion of 1.5 science credits.

FRSC – BIOL 2050H – Introduction to genetics (See Biology)

FRSC 2100H – Criminal code

The course provides a systematic and detailed review of the Criminal Code. It will focus on implications of the Criminal Code for forensic science, current issues in its interpretation by the courts, and its implementation by law enforcement agencies. Prerequisite: FRSC 1100H. Excludes FRSC 210H.

FRSC 2110H – Police powers

This course will focus on the legislation governing criminal investigations – including the Constitution Act and Charter of Rights and Freedoms – the practical application of those laws and their judicial interpretation in the day-to-day activities of police officers and other law enforcement personnel. Prerequisite: FRSC 2100H. Excludes FRSC 211H.

FRSC – COIS 2750H – Computer crime and forensics (see Computing & Information Systems)

FRSC – BIOL 3000H – Laboratory DNA forensics (Sc)

This course will examine the theoretical foundations and techniques of DNA analysis with leading-edge technology in light of forensic cases. Students will learn the theory and practice of generating forensic DNA evidence. Prerequisite: BIOL 2050H (205H). Recommended: BIOL 3620H (362H). Excludes FRSC 300H.

FRSC 3010H – Crime scene investigation (Sc)

This course explores forensic investigation techniques – observation, analysis, evidence identification, collection and preservation, and interviewing. The course will emphasize gathering experts' scientific evidence and assessing it. Students will explore use of evidence in Canadian court cases, the decision-making processes in court, and the roles of investigators, advocates, judges and juries. Prerequisite: 60% in FRSC 1010H and 1011H (or 101). Recommended: PHYS-FRSC 1020H. Excludes

FRSC 301H. Open only to students registered in the B.Sc.F.S. program or joint-major in Forensic Science program.

FRSC 3100H – Trends in forensic science (Sc)

This course will cover recent developments in forensic science and will reflect the recommendations of practitioners. It will typically include updates in the theory and practices related to DNA analysis, blood-spatter analysis, tire-track and footwear impressions, ballistics and so forth. Prerequisite: FRSC 1010H and 1011H (or 101). Excludes FRSC 310H.

FRSC 3110H – Criminology in forensics

This course will provide the student with a comprehensive view and appreciation of criminology, including the scientific study of criminal behaviour, its forms, causes, legal implications and controls. It will provide a forum for discussion and debate and will enhance their knowledge of crime, criminal justice and society. Prerequisite: FRSC 2100H. Excludes FRSC 311H.

FRSC – BIOL 3330H – Forensic entomology (See Biology)

FRSC – CHEM – ERSC 3400H – Chromatography (See Chemistry)

FRSC – CHEM – ERSC 3410H – Spectrophotometry and spectroscopy (See Chemistry)

FRSC – ANTH – BIOL 3415Y – Human osteology and forensic anthropology (see Anthropology)

FRSC – BIOL 3620H – Population genetics (See Biology)

FRSC – HIST 3751Y – The history of crime in England (See History)

FRSC 3900H – Reading course

This course provides an opportunity for more intensive or broader study of a selected topic in forensic science under the guidance of a faculty member. Students may take only one reading course. This course may be taken as a science credit with permission of the department chair. Prerequisite: Only open to students enrolled in the B.Sc.F.S. or joint-major in Forensic Science who have completed 10.0 university credits and permission of course supervisor.

FRSC 4010Y – Independent project (Sc)

This self-directed research course requires students to investigate research topics relating to forensic science and prepare a detailed research proposal while studying under the supervision of a faculty member. Open only to students registered in the B.Sc.F.S. program.

FRSC 4020D – Research thesis (Sc)

A double credit. Students will design and carry out research under the supervision of a faculty member, and attend fourth-year Forensic Science seminars on research-related issues. Permission of the program and the availability of a thesis supervisor are required. Students will be contacted by the course coordinator regarding the application process before the end of the Fall term of third year. Open only to students registered in the B.Sc.F.S. program or joint-major in the Forensic Science program with a 75% cumulative average.

FRSC 4312H – Presentation of forensic evidence

This course explores the legal functions and processes of courts and tribunals and the laws governing evidence and testimony by witnesses. Communication theory and techniques will be applied to the experience of testifying in a courtroom setting and to understanding the impact of ethical and effective testimony. Open only to students registered in the B.Sc.F.S. program. Prerequisite: FRSC 2100H. Excludes FRSC 312H.

FRSC – BIOL 4510H – Species-at-risk biology and policy (See Biology)

FRSC – BIOL 4570H – Biocrime and bioterrorism (Sc)

In this course students will gain knowledge of microbes and other biological agents used in criminal endeavours and an overview of the methods used to detect crimes involving biological agents and link them to individual perpetrators. Bioterrorism and agricultural bioterrorism will be discussed. Prerequisites: FRSC 1010H and 1011H, (or 101) and either BIOL 3080H (308H) or FRSC 3000H (300H) or BIOL 3250H (325H).

FRSC – BIOL 4600H – Applied molecular genetics

This seminar-based course introduces students to the application of DNA profiling to forensics, medical genetics and natural resource management (molecular ecology/ conservation genetics). Prerequisite: 10.0 university credits including BIOL – FRSC 3620H (362H) or permission of the instructor. Excludes BIOL 460H.

FRSC – HIST 4751Y – The history of crime in England (See History)

FRSC 4890Y – Forensic Community-Based Education research project

This course is designed to allow fourth-year students the opportunity to work on a research project with a Forensic-Community agency under the supervision of a faculty member. Students must contact the Forensics Placement Officer before the end of the Winter session of third year. Prerequisite: Only open to students enrolled in the B.Sc.F.S. or joint-major in Forensic Science program with a 75% cumulative average. Must have completed 14.0 university credits, including at least 3.0 FRSC credits at the 2000- or 3000-level.

French Studies

See Modern Languages & Literatures

Gender & Women's Studies

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Professor

J. Sangster, B.A. (Trent), M.A., Ph.D. (McMaster)

Associate Professors

M. Hobbs, B.A. (Trent), M.A., Ph.D. (Toronto OISE)

Associated Faculty

Canadian Studies: **M. Lacombe, S. Chivers, D. Bhandar. *English Literature:* **S. J. Bailey, R. Bode, C. Eddy. *Geography:* **S. Wurtele. *History:* **F. Harris-Stoertz. *Indigenous Studies:* **M. Mumford. *International Development Studies:* **W. Lem. *Political Studies:* **N. Changfoot, E. Stavro. *Sociology:* **B. L. Marshall, D. White, A. Heitlinger, G. Balfour, M. Rahman. *School of Education:* **K. Pendleton-Jimenez******************

The Gender & Women's Studies department at Trent explores gender relations and women's experiences across cultures and nations, throughout history, and in contemporary societies. We examine how gender relations and ideas about gender shape every site of human interaction, from the personal to the institutional, the local to the global. Gender relations and gendered identities are understood in constant interaction with other important social, economic and cultural categories and hierarchies, such as class, race, ability, and sexuality. Gender & Women's Studies courses investigate a broad range of issues and questions, including how media and popular culture can be both problematic and empowering for girls and women; how feminist scholars and activists are critiquing public policies in health, social welfare, and education; how globalization is gendered; how dominant institutions like the family, schools, and the state shape social identities and opportunities; how women's and other social movements in the past and present challenge inequalities and envision peace and justice.

As an interdisciplinary department, Gender & Women's Studies draws on theoretical perspectives and methodologies from a wide range of fields such as History, Political Studies, Psychology, Sociology, Anthropology, English Literature, Indigenous Studies, Cultural Studies, International Development Studies, Canadian Studies, and the Natural Sciences. The Trent University Gender & Women's Studies department combines theory with empirical research, encourages critical thinking, and aims to develop strong skills in analysis, writing, and oral communication. We also encourage students' involvement with local and broader communities.

Notes

- Some Gender & Women's Studies courses cross-listed with other departments and programs have prerequisites not listed here.
- Students who have fulfilled the requirements for a single-major Honours degree in another subject may apply to the Office of the Registrar for a minor in Gender & Women's Studies if they have met the requirements for the joint-major General degree (see below).

BACHELOR OF ARTS PROGRAM IN GENDER & WOMEN'S STUDIES

- See [p. 28](#) for requirements which apply to all undergraduate degree programs.
- The same course may not simultaneously satisfy the requirements of both programs in a joint-major degree.
- No more than 1.0 credit from reading courses may count towards the number of Gender & Women's Studies credits required for the single- and joint-major General degree; and no more than 2.0 towards the number required for the single- and joint-major Honours degrees.
- Students who have completed WMST 201 for credit may not take WMST 3020Y (302), and

should substitute WMST 300 for WMST 2040Y (204) in the requirements for a major.

- Students who have completed WMST 300 for credit but not WMST 201, will need WMST 3020Y (302) to meet their degree requirements.

The single-major Honours program. 20.0 credits including the following 9.0 credits:

- 3.0 WMST credits consisting of WMST 1000Y (100), 2040Y (204), 3020Y (302)
- 3.0 WMST credits at the 4000-level
- 3.0 WMST credits in addition to the above

The joint-major Honours program. 20.0 credits including the following 7.0 credits:

- 3.0 WMST credits consisting of WMST 1000Y (100), 2040Y (204), 3020Y (302)
- 1.0 WMST credit at the 4000-level
- 3.0 WMST credits in addition to the above, at least 1.0 beyond the 2000-level

The single-major General program. 15.0 credits including the following 6.0 credits:

- 3.0 WMST credits consisting of WMST 1000Y (100), 2040Y (204), 3020Y (302)
- 3.0 WMST credits in addition to the above, at least 1.0 beyond the 2000-level

The joint-major General program. 15.0 credits including the following 5.0 credits:

- 3.0 WMST credits consisting of WMST 1000Y (100), 2040Y (204), 3020Y (302)
- 2.0 WMST credits in addition to the above

The minor in WMST consists of the following 5.0 credits:

- 3.0 WMST credits consisting of WMST 1000Y (100), 2040Y (204), 3020Y (302)
- 2.0 WMST credits in addition to the above

Please consult the academic timetable, available through myTrent, for information on courses that will be offered in 2011–2012 including when they will be scheduled.

WMST 1000Y – Introduction to Women's Studies

An interdisciplinary introduction to Women's Studies. The course explores the intersections of gender, race, class and sexuality in the construction of gender relations, historical and contemporary feminist movements, as well as selected feminist issues such as the body, violence, poverty and cultural production. Excludes WMST 100.

WMST – CAST 2000Y – Documenting Canada (See Canadian Studies)

WMST – PHIL 2031Y – Feminist philosophy (see Philosophy)

WMST 2040Y – Feminist theories

An introduction to historical and contemporary feminist theories and their relationship to feminist practice. The course will examine key feminist theoretical traditions, including liberal, radical and socialist feminisms, transnational feminisms, and feminist intersections with postmodern and postcolonial theories. The course highlights the challenges involved in feminist attempts to account for social inequalities. Prerequisite: WMST 1000Y (100) or permission of instructor. Excludes WMST 204, 300.

WMST – CUST 2065Y – Sex/sexuality/sexual difference (see Cultural Studies)

WMST – IDST 2100H – Women, colonialism and imperialism

This course examines the nature and impact of European colonialism and imperialism, with a particular focus on women's experiences. It highlights the historical continuities of colonialism and imperialism as well as contemporary forms of resistance, while also investigating the complex relationships among women differently situated within colonial/imperial power structures. Prerequisite: WMST 1000Y (100) or IDST 1000Y (100). Excludes WMST – IDST 210H.

WMST – CAST 2110H – The history of feminism in Canada

An overview of the history of feminist ideas, strategies, and actions in Canada. We explore the diversity and distinctiveness of Canadian feminism at different historical moments, celebrating the strength and creativity of organized and individual forms of resistance, while also probing the complicated, difficult, and sometimes "messy" workings of feminism. Prerequisite: WMST 1000Y (100) or CAST 1000 (100). Excludes WMST – CAST 211H.

WMST 2120Y/2121H – Women and health

This course addresses issues of importance to women as recipients and providers of health care and as subjects of health research. Students are introduced to various models of health and illness, and to the origins and theoretical underpinnings of the gendered dimensions of health in Canadian and global contexts. Prerequisite: WMST 1000Y (100). Excludes WMST 212, 213H. Students may take only one of WMST 2120Y or 2121H for credit.

WMST – CUST 2209Y/2210H – Gender and popular culture

This course engages students in critical analyses of gender and popular cultures, film, television, print and Internet media, fictions, fashion, music and dance. The course examines the process through which gender relations are constructed within popular cultures, focusing on women as active agents in production and consumption of popular culture. Prerequisite: WMST 1000Y (100) or CUST 1000Y (100) or permission of instructor. Excludes WMST – CUST 220. Students may take only one of WMST 2209Y or 2210H for credit.

WMST – CAST – GEOG – POST 2245H – The social and political economy of contemporary Canadian immigration (see Canadian Studies)**WMST – IDST 2250Y – Women, gender and development**

An analysis of the political, economic and cultural issues that confront women in their struggles for and against development in different localities across the globe. Theoretical and conceptual frameworks are explored and used to examine case studies of women's experiences of work and social change in developing contexts. Prerequisite: WMST 1000Y (100) or IDST 1000Y (100) or permission of instructor. Excludes WMST – IDST 225.

WMST – AHCL 2310H – Women in the Greek world, c. 700 – 300 B.C. (see Ancient History & Classics)**WMST – AHCL 2320H – Women in the Roman world, 100 B.C. – A.D. 300 (see Ancient History & Classics)****WMST – SOCI 2430H – Sociology of gender (see Sociology)****WMST – CAST 2745H – Women in Canada: Region and place (see Canadian Studies)****WMST – CAST 2755H – Women in Canada: Women and the arts (see Canadian Studies)****WMST – HIST 2760Y – Women in Britain and Europe (see History)****WMST 3020Y – Feminist research methods**

This course introduces the theory and the practice of feminist research. It equips students with the critical skills to recognize gender and other bias in the research they will encounter both within and outside of the university, and provides practical tools to conduct research from a feminist perspective. Prerequisite: WMST 2040Y (204) or permission of instructor. Excludes WMST 201, 302.

WMST 3100H – Gender and bodily difference

This course draws on feminist phenomenological, post-structuralist, and critical perspectives to explore representations, social relations, and lived realities of gender and bodily difference in image-based cultures. It introduces the concept of abjection and examines the implications of the concept for individual embodiment and social experience. Prerequisite: WMST 1000Y (100).

WMST – ANTH 3120H – Anthropology of gender and sexuality (see Anthropology)**WMST – CAST – ERST 3140Y/3141H – Women, health and environments**

This course examines feminist engagements, in theory and practice, with environmental movements, issues, and health concerns, primarily in North America but with attention to north/south interconnections. Topics include ecological feminisms, environmental justice, environmental links to breast cancer and reproductive health, green consumerism, and gendered food politics. Prerequisite: At least one 2000-level credit in Gender & Women's Studies, Canadian Studies, or Environmental & Resource Studies or permission of instructor. Excludes WMST – CAST 397, WMST – CAST – ERST 314H, 315. Students may take only one of 3140Y or 3141H for credit.

WMST – CAST – HIST 3160Y – Canadian women's history (see History)**WMST 3200H – Women and transnational cinema**

This course on women-produced transnational film features diverse perspectives from beyond the North American mainstream to consider how women's use of film has challenged conventional stereotypes of representing the body, the nation, war, globalization, biography, immigration, colonialism, race relations, intergenerational relations, eroticism, femininity and masculinity. Prerequisite: WMST 1000Y (100) or CUST 1000Y (100) or permission of instructor.

WMST – CAST – GEOG 3220H – Gender, society and space (see Geography)**WMST – POST 3340H – Democracy in theory and practice (see Political Studies)****WMST – POST 3360H – The body politic/the body in politics (see Political Studies)**

WMST – SOCI 3440H – Social construction of sexuality (see Sociology)

WMST – CAST – INDG 3480Y – Indigenous women's writing (see Canadian Studies)

WMST – INDG 3500Y – Indigenous women (see Indigenous Studies)

WMST – CAST – ENGL 3506Y/3507H – Canadian women's writing (see Canadian Studies)

WMST – ENGL 3603H – Theories of feminism, gender and sexuality (see English Literature)

WMST – CAST – POST 3670Y – Women and politics in Canada (see Political Studies)

WMST – ENGL 3700Y/3701H – Studies in gender and literature (see English Literature)

WMST – PSYC 3740H – Psychology of gender (see Psychology)

WMST – PSYC 3760H – Human sexuality (see Psychology)

WMST 3820Y, 3821H – Community research placement

The Trent Centre for Community-Based Education makes available to students research placements with community organizations. Projects are supervised jointly by a faculty member and representative of a community organization. Projects with sufficient gender content might be eligible for credit in Gender & Women's Studies. Prerequisite: 10.0 university credits and 75% cumulative average. For details, see "Community-Based Education Program" ([p. 245](#)).

WMST – CAST – SOCI 3860H – Gender, race and class

An examination of critical scholarship analyzing power relations and women's lived experiences through the intersections of gender, race, ethnicity, and class. Using historical and contemporary material, the course explores identity construction; gender, race and class relations; and the maintenance of social and economic hierarchies in Canadian and international contexts. Prerequisite: WMST 1000Y (100) or SOCI 1000Y (100) or permission of instructor. Excludes WMST – CAST – SOCI 286, 287H, 386H.

WMST – CAST – SOCI 3870H – Immigrant women in Canada

This course will investigate past and present immigration and settlement policies in relation to the construction and maintenance of gender, racial and ethnic inequalities in Canada. Prerequisite: WMST 1000Y (100) or SOCI 1000Y (100) or permission of instructor. Excludes WMST – CAST – SOCI 286, 288H, 387H.

WMST – POST 3880Y/3881H – The politics of gender and globalization

This course focuses on how globalization is transforming gender dynamics that underpin relationships between and within states, markets, civil society, and households. It introduces students to feminist perspectives on the global political economy, focusing on specific issues such as: international trade agreements, labour, security, migration, health, environment, and human rights. Recommended: POST 2230Y (223) or 2400Y (240). Students may take only one of WMST – POST 3880Y or 3881H for credit.

WMST 3900Y, 3901H, 3902H, 3903H – Reading course

A structured course arranged between student and instructor, and approved by the department chair, involving independent study of a topic that is not covered by regular courses. Only offered when faculty resources permit. Students must complete a Reading Course Registration form, available from the department office, prior to registering.

WMST – CAST 3962H – Women and the Law

This course introduces students to key issues, theories, and debates concerning women, feminism, and the law, primarily in Canada. Approaching law as a site of regulation and constraint as well as a tool for feminist practice, the course examines issues such as family, sexuality, violence, pornography, prostitution, poverty, employment, and immigration. Prerequisite: WMST 1000Y (100), CAST 1000Y (100) or permission of instructor. Excludes WMST 237H.

WMST 4010Y – Honours thesis

Consult the department office for information and for the required thesis registration form. Students wishing to take a double credit thesis with one credit applied to Gender & Women's Studies and the second to their other major should see the chair of the Gender & Women's Studies department.

WMST – CAST 4050H – Feminism and critical race theory

Highlighting work by racialized and Indigenous women, this course explores contemporary themes within feminism about critical race theory, white supremacy, and anti-racist practice. Topics include intersections of racism with other systems of inequality, everyday and systemic racism, racial violence, whiteness and privilege, and feminist anti-racism responses. Prerequisite: 10.0 university credits including one 3000-level WMST credit or permission of instructor.

WMST 4150H – Transgender feminisms

Trans and feminist studies, neither of which are unified, monolithic and unrelated categories of theory and politics, strive to enable the imagination and enactment of gender diversity and sexual freedom. This course examines, and expands on, the formative and transformative impact that these communities have had on each other. Prerequisite: 1.0 WMST 3000-level credit or permission of instructor.

WMST – HIST – CAST 4160Y – Canadian women's history (see History)**WMST – CAST – HIST 4160Y – Canadian women's history (see History)****WMST – POST 4300Y – Feminists theorize the political: Contemporary feminist philosophy (see Political Studies)****WMST – CAST – POST 4430Y/4431H – Women, the welfare state, and globalization in Canada**

This course examines historical and contemporary developments in Canadian social policies, focusing on the ideas they embody about gender, sexuality, race, class, and disability, and the impacts they have on diverse women. We explore feminist critiques and alternative visions of a range of policies, including welfare, homelessness, childcare and healthcare. Prerequisite: 1.0 3000-level WMST credit or permission of instructor. Excludes WMST – CAST – POST 443. Students may take only one of WMST 4430Y or 4431H for credit.

WMST – CAST – SOCI 4550Y/4551H – Gender and disability in Canada (see Canadian Studies)**WMST – SOCI 4610H – Advanced studies in the sociology of gender (see Sociology)****WMST – CAST – ENGL 4662Y – Representations of the other in contemporary Canadian writing (see Canadian Studies)****WMST – PSYC 4796H – Feminist psychologies**

Explores principles and practices of feminist psychology, theories of gender and sexual development, and the psychology of women. Focus is on feminist critiques of psychology and feminist contributions to psychology. Feminist relational, community, post-colonial, and narrative approaches will be emphasized. Prerequisite: either 2.0 WMST credits from the 2000-, 3000- or 4000-level; or 1.0 WMST credit and PSYC 2700H (272H) and one of PSYC 3730H (300H), 3740H (304H), 3300H (341H), or WMST – PSYC 3760H (355H). Excludes WMST – PSYC 496H.

WMST 4820Y, 4821H – Community research placement

The Trent Centre for Community-Based Education makes available to students research placements with community organizations. Projects are supervised jointly by a faculty member and representative of a community organization. Projects with sufficient gendered content might be eligible for credit in Gender & Women's Studies. Prerequisite: 10.0 university credits and 75% cumulative average. For details, see "Community-Based Education Program" ([p. 245](#)).

WMST 4900Y, 4901H, 4902H, 4903H – Reading course

A structured course arranged between student and instructor, and approved by the department chair, involving independent study of a topic that is not already covered by regular courses. Only offered when faculty resources permit. Students must complete a Course Registration Form, available from the department office, prior to registering.

WMST – ANTH 4932H – Sex, gender and science

This course is an interdisciplinary introduction to the topic of women and gender in science. How is gender difference understood within scientific disciplines? Why are women under-represented in various science and technological fields? How are women, and feminist scholarship, changing science? Prerequisite: 1.0 WMST or ANTH credit at the 3000-level credit or permission of instructor.

WMST – ERST 4990H – Gender and environmental justice

This course examines debates and issues involved in understanding environmental problems from a gender and justice perspective. Students are introduced to environmental justice issues and concepts, feminist approaches and critiques, and explorations of emerging discourses making links between justice, sustainability, and issues like climate change. Prerequisite: 10.0 university credits including 1.0 3000-level credit in WMST or ERST, or permission of instructor. Excludes WMST – ERST 499H.

Geography

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Adjunct Faculty

K. Beesley, B.E.S., Ph.D. (Waterloo)

Professors Emeriti

W. P. Adams, B.A. (Sheffield), M.Sc., Ph.D. (McGill); **A. G. Brunger**, B.Sc. (Southampton), M.Sc. (Alberta), Ph.D. (Western); **F. M. Helleiner**, M.A., Ph.D. (Western); **J. S. Marsh**, B.A. (Reading), M.Sc. (Alberta), Ph.D. (Calgary); **G. A. Nader**, B.A. (London), Ph.D. (Durham); **C. H. Taylor**, M.A. (Canterbury), Ph.D. (McGill)

The Geography department has a strong emphasis on field-based learning and interdisciplinary study. Many courses are cross-listed with other departments and programs, including an Emphasis in Northern & Polar Studies and one in Geographical Information Systems linked with Fleming College. Students in the Honours program are encouraged to explore the thesis option as a valuable training for post-graduate studies and job-related experience.

Notes

- GEOG 1030H (103H) and GEOG 1040H (104H) or 1050H (105H) are prerequisites for most upper level Geography courses. Students should check individual course descriptions for prerequisites.
- Some courses at the 3000-level are offered in alternate years.
- Courses in Geography fulfilling University science course requirements for the B.Sc. are marked (Sc) in the individual course descriptions.
- Students who have fulfilled the requirements for a single-major Honours degree in another subject may apply to the Office of the Registrar for a minor in Geography, if they have met the requirements for the joint-major General degree (see below).

BACHELOR OF ARTS AND BACHELOR OF SCIENCE PROGRAMS IN GEOGRAPHY

- See [p. 28](#) for requirements which apply to all undergraduate degree programs.
- The same course may not simultaneously satisfy the requirements of both programs in a joint-major degree.
- The Geography department offers both a B.A. and a B.Sc. degree.
- Students who have successfully completed PSYC 2016H and 2017H (or 215) are exempt from the GEOG 2080H (208H) requirement in the joint-major program and in the minor in Geography.
- Students who have taken MATH 1050Y (150) and achieved a mark of at least 75% are exempt from taking GEOG – ERSC – BIOL 2080H (208H). Exemption from GEOG – ERSC – BIOL 2080H (208H) also exempts students from the GEOG – ERSC – BIOL 2080H (208H) prerequisite for other Geography courses.
- It is recommended that students with an interest in Applied Geography incorporate the Geographic Information Systems joint Diploma program with Fleming College (Fleming-GIS) into their Honours program (consult the Joint Programs section of the calendar). For students in the

Fleming-GIS program, the category requirements in the single-major B.A. and B.Sc. are different, but the total number of Geography credits required for the degrees is the same.

BACHELOR OF ARTS PROGRAM

- See [p. 28](#) for requirements which apply to all undergraduate degree programs.
- The same course may not simultaneously satisfy the requirements of both programs in a joint-major degree.
- The B.A. program in Geography includes courses chosen from the following categories, as indicated in the requirements below.
- Approved reading or special topics courses may be taken for the category B requirement.
- For the single-major and joint-major General B.A. programs, GEOG 3860H (386H) and one course from category B are strongly recommended.

A		B	C
2310H (231H)	3030H (303H)	3710H (371H)	4020D (402D)
2530H (253H)	3220H (322H)	3720H (372H)	4700Y (470)
2630H (263H)	3320H (332H)	3730H (373H)	
2710H (271H)	3330H (333H)	3760H (376H)	
2810H	3370H (337H)	3800H (380H)	
2960H (296H)	3630H (363H)	3820H	
	3640H (364H)	4640H (464H)	

The single-major Honours program. 20.0 credits including the following 10.0 credits:

- 0.5 GEOG credit consisting of GEOG 1030H (103H)
- 0.5 GEOG credit from GEOG 1040H (104H) or 1050H (105H)
- 1.0 GEOG credit consisting of GEOG – ERSC – BIOL 2080H (208H) and GEOG – ERST 2510H (251H)
- 0.5 GEOG credit consisting of GEOG 3110H (311H)
- 1.0 GEOG credit from category A
- 2.0 GEOG credits from category B (1.5 for Fleming-GIS)
- 1.0 GEOG credit from category C
- 3.5 GEOG credits in addition to the above (4.0 for Fleming-GIS)

The joint-major Honours program. 20.0 credits including the following 7.0 credits:

- 1.0 GEOG credit from GEOG 1030H (103H)
- 0.5 GEOG credit from GEOG 1040H (104H) or 1050H (105H)
- 1.0 GEOG credit consisting of GEOG – ERSC – BIOL 2080H (208H) and GEOG – ERST 2510H (251H)
- 0.5 GEOG credit consisting of GEOG 3110H (311H)
- 1.0 GEOG credit from category A
- 1.0 GEOG credit from category B
- 1.0 GEOG credit from category C or GEOG 4010Y (401)
- 1.5 GEOG credits in addition to the above

The single-major General program. 15.0 credits including the following 6.0 credits:

- 1.0 GEOG credit from GEOG 1030H (103H)
- 0.5 GEOG credit from GEOG 1040H (104H) or 1050H (105H)
- 1.0 GEOG credit consisting of GEOG – ERSC – BIOL 2080H (208H) and GEOG – ERST 2510H (251H)
- 1.0 GEOG credit from category A
- 1.0 GEOG credit from category B
- 2.0 GEOG credits in addition to the above

The joint-major General program. 15.0 credits including the following 5.0 credits:

- 1.0 GEOG credit from GEOG 1030H (103H)
- 0.5 GEOG credit from GEOG 1040H (104H) or 1050H (105H)
- 1.0 GEOG credit consisting of GEOG – ERSC – BIOL 2080H (208H) and GEOG – ERST 2510H (251H)
- 1.0 GEOG credit from category A
- 1.0 GEOG credit from category B
- 1.0 GEOG credit in addition to the above

The minor in GEOG consists of the following 5.0 credits:

- 1.0 GEOG credit from GEOG 1030H (103H)
- 0.5 GEOG credit from GEOG 1040H (104H) or 1050H (105H)
- 1.0 GEOG credit consisting of GEOG – ERSC – BIOL 2080H (208H) and GEOG – ERST 2510H (251H)
- 1.0 GEOG credit from category A
- 1.0 GEOG credit from category B
- 1.0 GEOG credit in addition to the above

BACHELOR OF SCIENCE PROGRAM

- See [p. 28](#) for requirements which apply to all undergraduate degree programs.
- The same course may not simultaneously satisfy the requirements of both programs in a joint-major degree.
- The B.Sc. program in Geography includes courses chosen from the following categories, as indicated in the requirements below.
- Approved reading courses or special topics courses may be taken for the category B requirement.
- GEOG 3110H (311H) is no longer included in the list of courses acceptable for meeting degree requirements for the Bachelor of Science programs.
- For the single-major and joint-major General B.Sc. programs, GEOG 3860H (386H) is strongly recommended.

A	B	C
2400Y (240)	3030H (303H)	3570H (357H)
2440H (244H)	3410H (341H)	3580H
2460H (246H)	3420H (342H)	3640H (364H)
2530H (253H)	3510H (351H)	3650H (365H)
2540H (254H)	3530H (353H)	4040H (404H)
2560H (256H)	3540H (354H)	4060H (406H)
	3550H (355H)	4070H (407H)
	3560H (356H)	4080H
		4090H
		4450H (445H)
		4640H (464H)

The single-major Honours program. 20.0 credits which includes the following 10.0 credits:

- 2.0 GEOG credits consisting of GEOG 1030H (103H), 1040H (104H), 2080H (208H) and 2110H (211H)
- 1.0 GEOG credit from category A
- 2.0 GEOG credits from category B
- 1.0 GEOG credit from category C
- 4.0 GEOG credits in addition to the above
- 14.0 science credits are required for the Honours degree, including 1.0 MATH credit

The joint-major Honours program. 20.0 credits which includes the following 7.0 credits:

- 2.0 GEOG credits consisting of GEOG 1030H (103H), 1040H (104H), 2080H (208H) and 2110H (211H)
- 1.0 GEOG credit from category A
- 1.0 GEOG credit from category B
- 1.0 GEOG credit from category C or GEOG 4010Y (401)
- 2.0 GEOG credits in addition to the above
- 14.0 science credits are required for the Honours degree, including 1.0 MATH credit

The single-major General program. 15.0 credits which includes the following 6.0 credits:

- 2.0 GEOG credits consisting of GEOG 1030H (103H), 1040H (104H), 2080H (208H) and 2110H (211H)
- 1.0 GEOG credit from category A
- 1.0 GEOG credit from category B
- 2.0 GEOG credits in addition to the above
- 11.0 science credits are required for the General degree, including 1.0 MATH credit

The joint-major General program. 15.0 credits which includes the following 5.0 credits:

- 2.0 GEOG credits consisting of GEOG 1030H (103H), 1040H (104H), 2080H (208H) and 2110H (211)
- 1.0 GEOG credit from category A
- 1.0 GEOG credit from category B
- 1.0 GEOG credit in addition to the above
- 11.0 science credits are required for the General degree, including 1.0 MATH credit

The minor in GEOG consists of the following 5.0 credits:

- 2.0 GEOG credits consisting of GEOG 1030H (103H), 1040H (104H), 2080H (208H) and 2110H (211)
- 1.0 GEOG credit from category A
- 1.0 GEOG credit from category B
- 1.0 GEOG credit in addition to the above

Please consult the academic timetable, available through myTrent, for information on courses that will be offered in 2011–2012 including when they will be scheduled.

GEOG 1030H – Human geographies in global context

This course examines the spatial organization of human activity, the significance of places in human life and people's relationships with their environments. It includes study of people, their origins, culture, technology, economy and impact on the environment. Field work. Excludes GEOG 103H.

GEOG 1040H – Earth's physical processes and environments (Sc)

An examination of the atmospheric, tectonic and geomorphic forces that shape Earth's physical environments. Issues addressed include soil conservation, groundwater resources and climate change. Field work. Prerequisite for all science courses in Geography. Excludes GEOG 102H, 104H, 1050H (105H).

GEOG 1050H – Introduction to Earth's physical environments

Course facilitates recognition of the atmospheric, tectonic and geomorphic forces that shape landscape, climate, water and soil resources, and thereby, social and economic activity. This course cannot act as a prerequisite for science courses in Geography unless otherwise noted. Excludes GEOG 102H, 1040H (104H), 105H.

GEOG – CAST – ERST – INDG 2040Y – Canada: The land (see Canadian Studies)

GEOG – BIOL – ERSC 2080H – Natural science statistics (Sc)

This course covers commonly-used statistical tools in Biology, Geography and Environmental & Resource Science. Lectures will address basic statistical methods and background theory. Workshops involve computer-based assignments providing practical experience in statistical application. Prerequisite: GEOG 1030H (103H) and one of GEOG 1040H (104H) or 1050H (105H); or ERSC 1000Y (100); or ERSC 1010H (101H) and 1020H (102H); or BIOL 1020H (102H) and 1030H (103H).

Recommended: MATH 1050Y (150) and 1000-level computing experience. Excludes GEOG – ERSC – BIOL 208H.

GEOG – ERSC 2090H – Introduction to Geographical Information Systems (Sc)

This is an introductory course to the fundamentals of GIS technology and applications. The essentials of GIS structural components, spatial data models and the analytical GIS operations on such data models are examined in detail. Experience with GIS analysis is gained through laboratory exercises. Prerequisite: GEOG 1030H (103H) and one of GEOG 1040H (104H) or 1050H (105H); or ERSC 1000Y (100); or ERSC 1010H (101H) and 1020H (102H); or BIOL 1020H (102H) and 1030H (103H). Elementary or intermediate-level experience with microcomputers and their operating systems is desirable. Excludes GEOG – ERSC 209H.

GEOG 2110H – Methods for physical geographers (Sc)

This course trains students in a variety of data acquisition, processing and analytical techniques specific to the earth sciences. These techniques include terrestrial survey, remote sensing and air photo interpretation. Fundamentals of instrument design, calibration and installation are introduced. Exercises require use of spreadsheet and graphic presentation software. Field work. Prerequisite: Minimum of 60% in GEOG 1030H (103H) and 1040H (104H) or in ERSC 1000Y (100) or in ERSC 1010H (101H) and 1020H (102H). Excludes GEOG 211H.

GEOG – AHCL – ANTH 2230H – The ancient city (see Ancient History & Classics)

GEOG – CAST – POST – WMST 2245H – The social and political economy of contemporary Canadian immigration (see Canadian Studies)

GEOG 2310H – Geography of recreation

Examines the concepts, contexts and methods for studying recreation geography including historical and theoretical perspectives on recreation, the demand for recreation, the supply of land, facilities and services for recreation, and the economic, environmental and social impacts of recreation and tourism. Prerequisite: GEOG 1030H (103H) and one of GEOG 1040H (104H) or 1050H (105H). Excludes GEOG 231H.

GEOG 2400Y – Geology (Sc)

Principles of mineralogy, petrology and sedimentology, paleontology and structural geology; geophysics of the Earth's interior and recent developments in geomagnetism, seismology and global tectonics. Open to students in second year and above and to first-year students with permission of instructor. Excludes GEOG 240.

GEOG 2440H – Microclimatology (Sc)

This course focuses on the physical mechanisms of flows of energy and mass between the earth surface and the atmosphere. A discussion of the principles of energy exchange is followed by their application to near surface environments. Prerequisite: GEOG 1040H (104H) or ERSC 1000Y (100) or ERSC 1010H (101H) and 1020H (102H). Excludes GEOG 244H.

GEOG 2460H – The global climate system (Sc)

A study of the physical elements of the global climate system. This course deals with global and synoptic climatic processes including the structure of the atmosphere, radiation, atmospheric dynamics, general circulation and the oceans. These concepts are applied to an introduction to the problem of climatic change and its prediction. Prerequisite: GEOG 1040H (104H) or ERSC 1000Y (100) or ERSC 1010H (101H) and 1020H (102H). Excludes GEOG 246H.

GEOG – ERST 2510H – Qualitative methods in geography and environmental studies

The course focuses on social science methods used in geographical and environmental research contexts. Methods examined include: surveys, content analysis, interviews, focus groups, participatory action research and community-based research. Prerequisite: ERSC 1000Y (100) or ERSC 1010H (101H) and 1020H (102H); or minimum of 60% in GEOG 1030H (103H) and one of GEOG 1040H (104H) or 1050H (105H). Excludes GEOG – ERST 251H.

GEOG 2530H – Geography of water resources (Sc)

This course uses case studies to examine the principles and processes that control the distribution and uses of water at global, continental and watershed scales. Prerequisite: GEOG 1030H (103H) and one of 1040H (104H) or 1050H (105H). Excludes GEOG 253H.

GEOG 2540H – Process geomorphology (Sc)

This course addresses a selection of sedimentary processes that create a variety of features observed at the surface of the earth. Emphasis is placed upon understanding and quantifying sediment production and transport. This knowledge is then extended to the interpretation of arid, coastal and fluvial landforms. Prerequisite: GEOG 1040H (104H) or ERSC 1000Y (100) or ERSC 1010H (101H) and 1020H (102H). Excludes GEOG 254H.

GEOG 2560H – Large-scale geomorphology (Sc)

An examination of large landforms including continents, oceans, plates, hotspot swells, plateaus and island arcs, and of the processes in the Earth's interior which generate them. The course also

examines weathering processes, and the evolution of landscapes and slopes. Lab work emphasizes the principles that link geomorphic processes to landforms. Prerequisite: GEOG 1040H (104H) or ERSC 1000Y (100) or ERSC 1010H (101H) and 1020H (102H). Excludes GEOG 256H.

GEOG – CAST 2710H – Cities: An introduction to urban geography

In cities flows of people, money, information and commodities intersect and are accompanied by economic, political, social and cultural change. This course examines the transformation of contemporary North American cities by global chains of activity. Prerequisite: GEOG 1030H (103H) or SOCI 1000Y (100) or ECON 1010H (101H) and 1020H (102H). Excludes GEOG – CAST 271H.

GEOG – CAST 2810H – Canada's people and places

This course explores the geography of Canada and its peoples and places. It examines the development of Canada's cultural landscapes and regions, and the social, economic, political and development of the Canadian nation-state. We explore Canada's geography as an east-west nation under increasing pressure from globalization and new national agendas. Prerequisite: GEOG 1030H (103H) and one of GEOG 1040H (104H) or 1050H (105H).

GEOG 2960H – Wealth, power and space: An introduction to economic geography

An introduction to basic themes in economic geography from a political economy perspective. The main areas of discussion are: theoretical and historical frameworks of the global economy; theories of industrial location and relocation; and contemporary geo-economic trends, including trans-national labour markets and the uneven economic impact of environmental change. Prerequisite: GEOG 1030H (103H) and one of GEOG 1040H (104H) or 1050H (105H). Excludes GEOG 296H.

GEOG – ERSC 3010H – Fundamentals of Geographical Information Systems analysis (Sc) (see Environmental & Resource Science/Studies)**GEOG – ERSC 3020H – Remote sensing of the environment (Sc)**

This course will introduce the theory, principles, analysis and environmental applications of multi-scale and multi-temporal earth observation systems based on remote sensing platforms. Current global and local environmental problems coupled to the increasing availability of dedicated remote sensing platforms, makes knowledge of remote sensing an imperative in modern environmental assessment and monitoring. Prerequisite: GEOG – ERSC 2090H (209H) or permission of instructor.

GEOG 3030H – Statistical applications in geography (Sc)

A survey of some of the more important statistical techniques used in geography with particular emphasis on computer-based analysis. Prerequisite: GEOG – ERSC – BIOL 2080H (208H) or MATH 1050Y (150). Excludes GEOG 303H.

GEOG 3110H – Philosophy of geography

This course examines significant conceptual approaches to the study of geography that have influenced contemporary Western geographic thought and practice. Prerequisite: 10 university credits including GEOG – BIOL – ERSC 2080H (208H) and GEOG – ERST 2510H (251H). Excludes GEOG 311H, 411H.

GEOG – WMST – CAST 3220H – Gender, society and space

Selected themes and topics examining the relationship between gender and spatial organization. Themes to be examined include the nature of domestic space, gendered use of public, private and urban space, and the intersections between gender, sexuality, racism and cultural difference. Prerequisite: GEOG – ERST 2510H (251H) or one upper-level Gender & Women's Studies course or permission of instructor. Excludes GEOG – WMST – CAST 322H.

GEOG – 3250H – Canada: Building space and territory

This course explores the establishment of the territorial basis of northern Canadian state, from the late 18th century to modern times, including the impact of climate on Canada's Arctic sovereignty. Its focus is upon the establishment of both internal and external borders, maritime spaces, and sub-national regions like Nunavik or Nunavut. Prerequisite: GEOG – ERST 2510H (251H) or permission of instructor.

GEOG – CAST – ERST 3330H – Wilderness resources

An examination of the wilderness concept and the history, planning and management of wilderness resources with special reference to national parks and Canada. Prerequisite: GEOG 2310H (231H) or GEOG – CAST – ERST – INDG 2040Y (204) or ERST – CAST 2520H and 2525H, (or 250), or ERST 2570H (257H). Excludes GEOG – CAST – ERST 333H.

GEOG – CAST 3370H – Critical geography of tourism

A critical perspective is used to explore the geographies of tourism-related industries and workplaces and the social and environmental impacts of tourism in urban and rural settings. Special attention is given to the Canadian experience. Prerequisite: GEOG 2310H (231H). Excludes GEOG – CAST 337H.

GEOG 3410H – Climatic change (Sc)

Mechanisms and patterns of changes in weather and climate, both natural and anthropogenic. An understanding of the principles of general circulation, global and local energy balance models, and

basic meteorological processes is assumed. Prerequisite: GEOG 2440H (244H) or 2460H (246H). Excludes GEOG 341H.

GEOG 3420H – Hydrometeorology (Sc)

Studies in snow and ice. This course emphasizes physical and geographical aspects of different ice forms and their implications for human and biological activity. Measurement of snow and ice are studied in practical laboratories. Some field work during the Reading Week is expected. Prerequisite: 9.0 university credits including either GEOG 2440H (244H) or 2460H (246H) and GEOG – BIOL – ERSC 2080H (208H) and GEOG 2110H (211H) or permission of instructor. Excludes GEOG 342H.

GEOG 3510H – Glacial and quaternary geomorphology (Sc)

The principles of glaciology. Glacial landforms and landscapes, particularly those of southern Ontario. Quaternary history with illustrations of the principles and uses of radiocarbon dating, isotope ratio analysis and pollen analysis. The causes of Ice Ages. Prerequisite: GEOG 2540H (254H) or 2560H (256H) or 2400Y (240). Excludes GEOG 351H.

GEOG 3530H – Hydrology (Sc)

Study of the movement of water through the environment with emphasis on terrestrial aspects including interception, infiltration, soil moisture, groundwater, surface runoff and stream-flow, also covering human impact on hydrological processes. Prerequisite: 10.0 credits including GEOG 2440H (244H) or 2460H (246H) or 2540H (254H). Field work. Excludes GEOG 353H.

GEOG 3540H – Fluvial geomorphology (Sc)

Morphology of rivers and river systems; relationships between process and form. Erosion, transportation and deposition of sediments; channel morphology, the drainage basin as a geomorphic unit; human impact on river morphology. Field work. Prerequisite: GEOG 2540H (254H) or 2560H (256H) or GEOG 2400Y (240) or permission of instructor. Excludes GEOG 354H.

GEOG – ERSC 3560H – Soil science (Sc)

Soil is at the heart of terrestrial ecosystems. A sound understanding of soil science is necessary for physical geography, environmental science, engineering and agriculture. This course describes the mechanisms of soil formation and the physical, chemical and biological properties of soils, as well as current issues in soil science. Prerequisite: at least 10.0 university credits including ERSC 2240H or GEOG 2400Y or GEOG 2560H or GEOG 2540H. Excludes GEOG – ERSC 356H.

GEOG 3580H – Applied geoscience: Local case studies (Sc)

Students will define and analyze a local issue of concern (e.g., proposed Hydroelectric Plant; Source-Area Protection in a local watershed), applying knowledge and methods gained in introductory courses in physical geography. Prerequisite: 10.0 university credits including GEOG 2110H (211H) and one of 2400Y (240) or 2440H (244H) or 2540H (254H).

GEOG 3590H – Sedimentary processes (Sc)

This course is an advanced treatment of sedimentary processes that occur in a wide range of environmental contexts inclusive of benthic, coastal and dryland systems. An emphasis is placed upon field and laboratory techniques for measurement, and upon case studies. Prerequisite: GEOG 2400Y (240) or 2540H (254H) or 2560H (256H) or permission of instructor.

GEOG – CAST 3640H – Geography of the Polar regions (Sc)

Study of selected aspects of the Polar regions with considerable reference to northern Canada but with the deliberate intention of developing comparisons between it and other parts of the Polar regions. Prerequisite: GEOG 1030H (103H) and one of 1040H (104H) or 1050H (105H) or permission of instructor. Excludes GEOG – CAST 364H.

GEOG – ERSC 3650H – Soil management and conservation (Sc) (see Environmental & Resource Science/Studies)**GEOG – CAST 3710H – Urban planning**

The main planning principles which govern the economic, social and physical development of cities. National, provincial and municipal policies and their impact on the urban system. Historical development of planning. Comparative analysis of planning in North America and Europe. Prerequisite: GEOG – CAST 2710H (271H). Excludes GEOG – CAST 371H.

GEOG – CAST – ERST 3720H – Urban environments

This interdisciplinary course challenges traditional conceptualizations and representations of Canadian cities as the antithesis of wilderness. Topics include: history of urban development, urban improvements and urban green spaces; impacts of modernist suburban development on the urban form; rejections of modernist urban planning; and the value of an ecosystem approach to planning for urban sustainability. Prerequisite: GEOG – CAST 2710H (271H) or GEOG – CAST – ERST – INDG 2040Y (204) or ERST – CAST 2520H and 2525H (or 250) or ERST 2570H (257H). Excludes GEOG – ERST 203H and GEOG – CAST – ERST 372H.

GEOG – CAST 3730H – Urban social geography

This course explores the urban social structure of contemporary Western cities by examining how social relations, social identities, and social inequalities are produced, and the role of space in constructing them. Geographical perspectives on gender, occupation, ethnicity, age, disability, poverty, and sexuality are emphasized. Prerequisite: GEOG – CAST 2710H (271H). Excludes GEOG – CAST 373H.

GEOG – CAST 3760H – The rural-urban fringe

Rural-urban land conflicts occurring in the areas surrounding major cities, the problems arising from these conflicts and the types of policy required to resolve them. A particular focus will be the impact of urbanization on the countryside in Canada. Prerequisite: GEOG 1030H (103H) and one of GEOG 1040H (104H) or 1050H (105H); or SOCI 1000Y (100); or ECON 1010H (101H) and 1020H (102H). Excludes GEOG – CAST 376H.

GEOG – CAST 3800H – Regional economic geography of Canada

Analysis of how a region grows; regional responses to national economic development; the land use structure of regions; regional planning principles; review of Canadian regional planning policies. Prerequisite: GEOG 1030H (103H) and one of 1040H (104H) or 1050H (105H); or ECON 1010H (101H) and 1020H (102H). Excludes GEOG – CAST 380H.

GEOG 3820H – Geography of health and health care

The geography of health and health care studies the relationships between health, place and space. Traditional perspectives on the geography of diseases and health services ('medical geography') and contemporary perspective on the geographies of care and wellbeing ('health geography') are examined with specific reference to global trends and vulnerable populations. Prerequisite: GEOG – ERST 2510H (251H) or permission of instructor.

GEOG 3860H – Field research in geography (Sc)

This course is recommended for those pursuing the Honours thesis. Students will learn the skills of research proposal writing and project design, and will design and carry out research projects in various geographical specializations. The course centres on a mandatory field trip during the Reading Week; a minimum of six days in the field at cost to the student. Prerequisite: GEOG – ERSC – BIOL 2080H (208H) and one of GEOG 2110H (211H) or GEOG – ERST 2510H (251H). Excludes GEOG 386H.

GEOG 3900Y, 3901H, 3902H, 3903H – Reading course

Prerequisite: GEOG 1030H (103H) and one of GEOG 1040H (104H) or 1050H (105H). (Offered only if instructor is available.)

GEOG 4010Y, 4020D – Honours thesis (Sc)

GEOG 4020D is a double credit in Geography. GEOG 4010Y is a single credit because the same thesis is submitted to the other department/program in a joint-major. Students will engage in a major research project entailing periodic meetings with faculty. Seminar presentations in Fall and Winter sessions on research. Prerequisite: 2.0 GEOG credits at the 3000-level and a 70% average in GEOG courses. Students must obtain the approval of the department before March 31, 2011. Excludes GEOG 401, 402D, 4400Y (440), 4700Y (470).

GEOG – ERSC 4040H – Hydrochemical fluxes in the hydrosphere (Sc)

Monitoring, analysis and interpretation of hydrochemical fluxes within the hydrological cycle. Measurement, sampling techniques and instrumentation for streamflow, soil water content, organic and inorganic constituents in the unsaturated and saturated zones, atmospheric vapour fluxes, precipitation and snowcover. Prerequisite: GEOG 2110H (211H) and permission of instructor. Excludes GEOG – ERSC 404H.

GEOG – BIOL – ERSC 4060H – The geochemistry of natural waters (Sc) (see Environmental & Resource Science/Studies)**GEOG – BIOL – ERSC 4070H – The fate of contaminants in the aquatic environment (Sc) (see Environmental & Resource Science/Studies)****GEOG 4080H – Water in the subsurface environment (Sc)**

This course will examine the nature, occurrence and movement of water in soil and groundwater systems. Physical and chemical aspects of groundwater will be addressed, and the use of field techniques and mathematical models in the study of groundwater movement and contamination will be emphasized. Prerequisite: 2.0 GEOG science Category B credits at the 3000-level including GEOG 3530H (353H) and one of MATH 1005H (105H) or 1100Y (110) or 1101Y or equivalent. Excludes GEOG 355H, 3550H.

GEOG 4090H – Modelling applications in physical geography (Sc)

The course emphasizes modelling techniques in various aspects of earth science. Topics covered include: conceptual, analogue and mathematical models; problems of scaling and indeterminacy; parameter estimation; optimization techniques; sensitivity analysis; model evaluation. Examples of

modelling techniques and applications will be drawn from physical geography. Prerequisite: GEOG – BIOL – ERSC 2080H (208H); 2.0 GEOG science Category B credits at the 3000-level; and one of MATH 1005H (105H) or 1100Y (110) or 1101Y or 4U calculus. Excludes GEOG 357H, 3570H.

GEOG – IDST 4130H – Global metropolis (see International Development Studies)

GEOG 4400Y – Research in physical geography (Sc)

Reviews possibilities for, and methods of, research in applied physical geography. Requires independent research, either through a placement arranged by the Trent Centre for Community-Based Education ([p. 245](#)) at the request of a community group, government agency or business, or under the auspices of the Geography department. Develops means for increasing potential for future employment. Prerequisite: 14.0 university credits including 1.0 GEOG science Category B credit. Open only to students pursuing a single- or joint-major Honours degree in Geography. Excludes GEOG 4010Y (401), 4020D (402D), 440.

GEOG – ERSC 4450H – Spatial modelling with Geographical Information Systems (Sc)

This advanced level course will focus on quantitative techniques used in conjunction with Geographical Information Systems (GIS) to model spatial phenomena. There will be instruction on spatial, geo-statistical and mathematical techniques and their interface with GIS. This course is open to graduates of the Fleming-GIS program. Prerequisite: GEOG – ERSC 3010H (301H) or GIS Applications Specialist Certificate (or equivalent) and basic knowledge of Statistics. Excludes GEOG – ERSC 445H.

GEOG – CAST – POST 4555H – City, economy, and society: Urban restructuring and the global economy (see Political Studies)

GEOG – ERSC 4640H – Integrated watershed management: approaches and methods (Sc) (see Environmental & Resource Science/Studies)

GEOG 4700Y – Community-based research in human geography

Reviews possibilities for, and methods of, research in applied human geography. Includes research requested by a community group, government agency or business, through the Trent Centre for Community-Based Education ([p. 245](#)) or the Geography department. Develops means for increasing employment potential through skills identification, communication improvement and resume preparation. Prerequisite: 14.0 university credits including 1.0 GEOG non-science Category B credit. Open only to students pursuing a single- or joint-major Honours degree in Geography. Excludes GEOG 4010Y (401), 4020D (402D), 470.

German Studies

See Modern Languages & Literatures

Globalization: Communities & Identities

Please note the joint-major Honours program in Globalization: Communities & Identities will not be available to students registering at the university for the first time in 2009-2010 or in subsequent years.

Current students already pursuing the joint-major will be able to complete it and should refer to the 2008-2009 Academic Calendar for details or contact Hugh Hodges at hughhodges@trentu.ca.

Greek

See Ancient History & Classics

Hispanic Studies

See Modern Languages & Literatures

History

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Associate Professor and Chair of the Department

F. Harris-Stoertz, B.A. (Calgary), M.A., Ph.D. (California)

Professors

A. Cazorla-Sanchez, Ph.D. (Granada); **I. Elbl**, M.A. (Charles), M.A., Ph.D. (Toronto) (*on leave 2011-12*); **C. Kay**, B.A. (Toronto), M. Phil. (Oxford), M.A., Ph.D. (Yale); **J. S. Milloy**, B.A. (St Patrick's), M.A. (Carleton), D.Phil. (Oxford); **B. Palmer**, M.A., Ph.D. (SUNY-Binghamton); **J. Sangster**, B.A. (Trent); M.A., Ph.D. (McMaster); **D. M. K. Sheinin**, B.Sc. (Toronto), M.A., Ph.D. (Connecticut) (*on leave Fall Term*); **T. J. Stapleton**, B.A. (Memorial), M.A., Ph.D. (Dalhousie); **J. E. Struthers**, M.A. (Carleton), Ph.D. (Toronto); **G. Taylor**, B.A., Ph.D. (Pennsylvania); **K. Walden**, M.A., Ph.D. (Queen's)

Associate Professors

D. Anastakis, B.A. (Western), M.A., Ph.D. (York); **O. Andriewsky**, B.A. (Brown), M.A., Ph.D. (Harvard); **M. Boulby**, B.A. (Queen's), M.A. (London), Ph.D. (Toronto) (*on leave 2011-2012*); **F. Dunaway**, B.A. (North Carolina-Chapel Hill), Ph.D. (Rutgers); **H. Elton**, B.A. (Sheffield), Ph.D. (Oxford); **J. Hurl-Eamon**, B.A. (Western), M.A. (Queen's), Ph.D. (York); **V. Nguyen-Marshall**, B.A. (Dalhousie), M.A., Ph.D. (British Columbia); **K. Siena**, B.A. (SUNY), M.A. (Rochester), Ph.D. (Toronto); **R. A. Wright**, B.A. (Trent), M.A., Ph.D. (Queen's)

Assistant Professors

A. Bialuschewski, Ph.D. (Kiel); **C. Dummitt**, B.A. (Trent), M.A. (Dalhousie), Ph.D. (Simon Fraser) (*on leave Fall Term*); **J. Miron**, B.A. (McGill), M.A., Ph.D. (York)

Adjunct Faculty

N. Christie, B.A. (Trent), M.A. (York), Ph.D. (Sydney)

Professors Emeriti

J. C. Barker, M.A. (Cambridge, Toronto), M.Div. (Yale), Ph.D. (Toronto); **F. A. Hagar**, A.B. (Harvard), M.A., Ph.D. (California-Berkeley), M.Litt. (Cambridge); **B. W. Hodgins**, B.A. (Western), M.A. (Queen's), Ph.D. (Duke); **E. H. Jones**, B.A. (Saskatchewan), M.A. (Western), Ph.D. (Queen's); **D. McCalla**, B.A. (Queen's), M.A. (Toronto), D.Phil. (Oxford); **P. M. Morton**, M.A., Ph.D. (Toronto); **S. T. Robson**, B.A. (British Columbia), D.Phil. (Oxford); **S. D. Standen**, B.A. (British Columbia), M.A. (Oregon), Ph.D. (Toronto); **A. Wilson**, M.A. (Dalhousie), Ph.D. (Toronto)

The History department offers courses on Canadian, American, Latin American, European, Russian, African, Middle Eastern and Asian history. They explore such themes as women's history, Aboriginal history, ethnicity, work, culture (both popular and elite), political history (both domestic and international), war, business, heritage and applied history. The department is committed to small-group learning, effective teacher-student interaction, excellence in research and creative links to other academic programs and public institutions.

Notes

- Enrolment limits will apply to most courses above the 1000-level. Please refer to the Academic Timetable for more information.
- Students who have fulfilled the requirements for a single-major Honours degree in another subject may apply to the Office of the Registrar for a minor in History, if they have met the requirements for the joint-major General degree, including category requirements (see below).
- Departures from any regulations must be authorized by the department through the chair.

BACHELOR OF ARTS PROGRAM IN HISTORY

- See [p. 28](#) for requirements which apply to all undergraduate degree programs.
- The same course may not simultaneously satisfy the requirements of both programs in a joint-major degree.
- Students who take more than one 1000-level history course are reminded that there is a maximum number of history courses allowable in the degree. Please see [p. 28](#) for more information.
- Students in the single-major or joint-major program in History or those seeking a minor in History must complete at least 0.5 credit from each of the three categories below. Some courses

The joint-major General program. 15.0 credits including the following 5.0 credits:

- 1.0 HIST credit at the 1000-level
- 3.0 HIST credits at the 2000- or 3000-level
- 1.0 HIST credit in addition to the above, at the 3000-level
- must include at least 0.5 credit from each of Categories A, B and C

The minor in HIST consists of the following 5.0 credits:

- 1.0 HIST credit at the 1000-level
- 3.0 HIST credits at the 2000- or 3000-level
- 1.0 HIST credit in addition to the above, at the 3000-level
- must include at least 0.5 credit from each of Categories A, B and C

Please consult the academic timetable, available through myTrent, for information on courses that will be offered in 2011–2012 including when they will be scheduled.

HIST 1000Y – Canada

Introductory survey of the history of Canada. The course examines issues in Canada's social, cultural, political, intellectual, regional and economic history. Excludes HIST 100, 1020Y, 1001H, 1002H.

HIST 1001H – Canadian lives I

This course examines the social, political, and cultural history of Canada, pre-20th century through biography. The lives and experiences of Canadians – workers, political leaders, the famous, the infamous, and sometimes the “ordinary” – are examined and interpreted to reveal a snapshot of Canadian society. Excludes HIST 100, 1000Y, 1020Y. (Offered only in Oshawa.)

HIST 1002H – Canadian lives II

This course examines the social, political, and cultural history of Canada through biography. The lives and experiences of Canadians – workers, political leaders, the famous, the infamous, and sometimes the “ordinary” – are examined and interpreted to reveal a snapshot of Canadian society, largely through the 20th century. Excludes HIST 100, 1000Y, 1020Y. (Offered only in Oshawa.)

HIST – CAST 1020Y – Modern Canada: Nation and citizenship

This course will explore the diverse and competing ideas of nation and citizenship since the colonial period. Topics include political citizenship, ideas of nation within Quebec, interpreting Canadian culture, language and identity, immigration and multiculturalism, Canada within a global economy, youth culture, the welfare state, and the national security state. Excludes HIST 100, 102, 1000Y, 1001H, 1002H. (Offered only in Oshawa.)

HIST 1201H – Western civilization from the Middle Ages to 1789

Subjects covered include the Middle Ages, the Renaissance, the Protestant reformation, and the Enlightenment, among many other subjects. Excludes HIST 1200Y, 120.

HIST 1202H – Western civilization from 1789 to the present

Subjects covered include the French Revolution, industrial revolution, the 19th-century women's movement, the Russian Revolution, the world wars, Nazism, the Holocaust, and the cold war, among many other subjects. Excludes HIST 120, 1200Y.

HIST 1500Y – Ten days that shook the world

Terror. An examination of ten events, both “big” and “small,” and how they can be linked to larger social, cultural, political, and economic transformations. Not a chronological survey, the course explores the nature of historical change through a series of case studies while introducing students to the basic methods of historical analysis. Excludes HIST 150.

HIST 1700Y – Apocalypse: Conquest, revolution, war and genocide in the modern world

This course focuses on the political, military and economic expansion of European power after 1500, and the responses by people in Asia, Latin America, Africa and the Middle East to these challenges, particularly in the 20th century. Excludes HIST 170, 1701H, 1702H.

HIST 1701H – World history to 1800

Course will examine themes in world history before 1800, paying special attention to Asia, Africa, Latin America, and the Middle East. Excludes HIST 1700Y, 170.

HIST 1702H – World history from 1800 to the present

Course will examine themes in world history since 1800, paying special attention to Asia, Africa, Latin America, and the Middle East. Explores the creation of a global division between rich and poor nations. Excludes HIST 1700Y, 170.

HIST 2050Y – Medieval Europe

Western Europe from the birth of Christianity and collapse of the Roman Empire in the West to the calamities and innovations of the 14th and 15th centuries. Explores social, political, economic,

military and religious developments, and the culture, experiences, and expectations of women and men. Prerequisite: 1.0 HIST credit at the 1000-level with at least a 60% grade or permission of the chair. Excludes HIST 205.

HIST 2080Y – The social history of Europe, 1500–1800

The course traces early modern European history, from the Renaissance to the French Revolution, with an emphasis on the different experiences of Europeans based upon their age, gender, class and religion. Prerequisite: 1.0 HIST credit at the 1000-level with at least a 60% grade or permission of the chair. Excludes HIST 208.

HIST 2110Y/2111H – The United States from the Revolution to the Civil War

This course traces the emergence of the U.S. from its colonial origins through continental expansion culminating in the crisis of secession, civil war and reconstruction in 1860-76, focusing particularly on the issue of slavery, relations with Native Americans, immigration and politics. Prerequisite: 1.0 HIST credit at the 1000-level with at least a 60% grade or permission of the chair. Excludes HIST 211, 2110H. Students may take only one of HIST 2110Y or 2111H for credit.

HIST 2100Y – War and society

The course will explore how war has shaped and been shaped by society. Specific case studies will be chosen by the instructor. Prerequisite: 1.0 HIST credit at the 1000-level with at least a 60% grade or permission of the chair.

HIST 2200Y – Europe from the French Revolution to the fall of communism

A study of problems in the development of modern European societies from various perspectives, using a variety of modern and contemporary sources. Prerequisite: 1.0 HIST credit at the 1000-level with at least a 60% grade or permission of the chair. Excludes HIST 220.

HIST – CAST – POST 2215H – “Empire Ontario” 1867–1945 (see Canadian Studies)

HIST – CAST – POST 2225H – Ontario since 1945: From “the common good” to “common sense” (see Canadian Studies)

HIST 2250Y – The Russian Empire

The making and unmaking of the Russian Empire from the rise of Muscovy to the end of the Romanov dynasty. Prerequisite: 1.0 HIST credit at the 1000-level with at least a 60% grade or permission of the chair. Excludes HIST 225.

HIST – CAST – INDG 2255Y – History of the Indians of Canada (see Canadian Studies)

HIST – CAST – POST 2285H – Canada in the 1960s: Irony and identity (see Canadian Studies)

HIST – CAST – INDG 2305Y Colonial encounters (see Indigenous Studies)

HIST – CAST 2320Y – The history of education in Canada in the 19th and 20th centuries

The influences of class, race and gender on education in Canada in the 19th and 20th centuries. This course will consider issues such as the impact of immigrants, who went to school and why, the role of government in making policy, and the role of women and girls in the educational system. Prerequisite: 1.0 HIST credit at the 1000-level or CAST 1000Y with at least a 60% grade or permission of the chair. Excludes HIST – CAST 232.

HIST – CAST 2330Y – The making of Canada, 1760–1873

War, politics and society in British North America from the Conquest to Confederation. Prerequisite: 1.0 HIST credit at the 1000-level or CAST 1000Y with at least a 60% grade or permission of the chair. Excludes HIST – CAST 230.

HIST – CAST 2350Y – Canadian history, 1873–present

An exploration of Canadian history since Confederation. Prerequisite: 1.0 HIST credit at the 1000-level with at least a 60% grade or CAST 1000Y or permission of the chair. Excludes HIST – CAST 235, 2360Y and 2361H.

HIST – CAST 2360Y/2361H – Canadian history through murder, execution, assassination and suicide from Confederation to the War on Terror

Was Louis Riel a traitor who deserved to be executed? Did diplomat Herbert Norman kill himself because of American accusations that he was a Communist? Was the bombing of Air India Flight 182 “Canada’s 9/11”? This course uses such episodes to explore political, social, economic and cultural changes in Canada. Prerequisite: 1.0 HIST credit at the 1000-level or CAST 1000Y with at least a 60% grade or permission of the chair. Excludes HIST – CAST 235 and 2350Y. Students may take only one of HIST – CAST 2360Y or 2361H for credit.

HIST – IDST 2401H – The emergence of modern Africa before 1880

A survey of the continent’s history from earliest pre-colonial times to the eve of European colonial conquest, focusing on diversity and change in African societies. Themes include the development of pre-colonial technology and trade, state formation and Africa’s incorporation in the growing world economy. Prerequisite: 1.0 HIST credit at the 1000-level or IDST 1000Y with at least a 60% grade or permission of the chair.

HIST – IDST 2402H – The emergence of modern Africa since 1880

A survey of the continent's history from the colonial conquest of the late 19th century to the independent states of the present day. Themes include African resistance to colonial rule, social and economic change, African nationalism and decolonization, underdevelopment and neo-colonialism, and the search for solutions to poverty and ethnic tensions. Prerequisite: 1.0 HIST credit at the 1000-level or IDST 1000Y with at least a 60% grade or permission of the chair.

HIST 2450Y – The Atlantic world: From Columbus to Cuban independence (1898)

This course surveys the social history of the Atlantic World as Africa, Europe, and the Americas forged new societies through conquest, conflict, and cooperation. Topics include post-slavery plantation societies, migration, health, cultural creolization, and the emergence of peasantries and middle classes. Prerequisite: 1.0 HIST credit at the 1000-level with at least a 60% grade or permission of the chair.

HIST – IDST 2470Y/2471H – Introduction to Latin America, 1500–1990

Topics include Native resistance, colonial domination, slavery, independence, neo-colonialism, nation building, dictatorship, and revolutionary change. Prerequisite: 1.0 HIST credit at the 1000-level or IDST 1000Y with at least a 60% grade or permission of the chair. Excludes HIST – IDST 247H. Students may take only one of HIST – IDST 2470Y or 2471H for credit.

HIST 2500Y – Making a “globalized” world: A 20th-century history

This course focuses on the role of economic and technological changes in the shaping of the world in the 20th century, looking as well at the impact of technology on the environment and the tensions between forces of “globalization” and “modernization” within national states and traditional cultural and religious communities. Prerequisite: 1.0 HIST credit at the 1000-level with at least a 60% grade or permission of the chair. Excludes HIST 250.

HIST – CAST 2540Y – Canada in the age of consumption

This course explores some characteristics of modernity since 1890, with Canada as an example. Among the topics examined will be photography, travel, crime, new styles of business, government and educational organization, and changing attitudes toward sex, death and religion. Prerequisite: 1.0 HIST credit at the 1000-level or CAST 1000Y with at least a 60% grade or permission of the chair. Excludes HIST – CAST 254.

HIST – CAST – INDG 2560Y – First Nations and Métis of Western Canada (see Indigenous Studies)**HIST 2601H – Public health and medicine: Doctors, nurses, and patients in history**

Between 1800 and 1950, innumerable medico-scientific “discoveries” altered health and medical knowledge in fundamental ways, as scientists and health practitioners revealed that invisible microbes, poverty, sanitation, nutrition, and the environment caused morbidities and mortality. We examine how this knowledge changed the meanings and experiences of health, disease, illness, and suffering. Prerequisite: 4.0 university credits.

HIST – CAST – INDG 2700Y – History and politics of the Métis (see Indigenous Studies)**HIST 2751H – The rise and fall of ancient and imperial East Asia**

This survey course examines the political and social developments of China, Japan, and Korea (16th – 19th centuries). The course begins with the rise of some of East Asia's most fascinating and powerful dynasties. The demise of these dynasties in the mid-19th century coincided with Western encroachment in the region. Prerequisite: 1.0 HIST credit at the 1000-level with at least a 60% grade or permission of the chair. Excludes HIST 370, HIST – IDST 375.

HIST 2752H – East Asia in wars and revolutions (19th–20th c.)

This survey course examines the political and social developments of China, Japan, and Korea (19th – 21st centuries). While the course explores how East Asians responded to the challenge of the rising West, it will also focus on the internal dynamics of these societies which resulted in wars and revolutions. Prerequisite: 1.0 HIST credit at the 1000-level with at least a 60% grade or permission of the chair. Excludes HIST 370, HIST – IDST 375.

HIST – WMST 2760Y – Women in Britain and Europe

A survey of British/European women's history from the Middle Ages to the 20th century. Prerequisite: 1.0 HIST credit at the 1000-level or WMST 1000Y with at least a 60% grade or permission of the chair. Excludes HIST – WMST 276.

HIST 2800Y – Film and history

Course explores the intersections between film and history. Prerequisite: 1.0 HIST credit at the 1000-level with at least a 60% grade or permission of the chair.

HIST – CAST 3010Y/3011H – Everyday history

A behind-the-scenes history of everyday life in Canada, exposing the complex histories of such common activities as drinking, barbecuing, gambling and sex. The course emphasizes the “otherness” of previous moments in time as a way to foster an awareness of the contingency of our

current historical moment. Prerequisite: 1.0 HIST credit at the 1000-level or CAST 1000Y with at least a 60% grade or permission of the chair.

HIST – CAST 3020Y – Quebec

This course examines French Canada and Quebec, focusing on various issues related to economic, cultural, social and political development. Topics include the evolution of French Canadian nationalism, minority groups, the role of the Roman Catholic Church, and Quebec's relationship with the rest of Canada and the wider world. Prerequisite: 1.0 HIST credit at the 1000-level or CAST 1000Y with at least a 60% grade or permission of the chair. Excludes HIST – CAST 302, 3021H, 3022H.

HIST – CAST 3040Y – Canada and the world since 1900

Major themes include the evolution from "colony to nation," the World Wars, Canadian-American relations, Canada's role in the Commonwealth, the U.N. and NATO, peacekeeping, links with the Third World, and the changing ethnic makeup of the country, which has resulted in what is perhaps the world's first truly multicultural nation. Prerequisite: 1.0 HIST credit at the 1000-level or CAST 1000Y with at least a 60% grade or permission of the chair. Excludes HIST – CAST 304.

HIST – CAST 3071H – Public history I

The art of bringing history to a wider public. This course shall explore issues of memory, commemoration, heritage preservation and interpretation that face historic sites, museums, heritage societies and archives in Canada and throughout the world. Prerequisite: 1.0 HIST credit at the 1000-level or CAST 1000Y with at least a 60% grade or permission of the chair.

HIST – CAST 3072H – Public history II

History in everyday life. Building upon the themes discussed in Public History I, this course shall explore how history is both viewed and used by the public in such everyday pursuits as tourism, film and television, the internet, the courts and popular writing. Prerequisite: 1.0 HIST credit at the 1000-level or CAST 1000Y with at least a 60% grade or permission of the chair.

HIST – CAST – ADMN 3080Y/3081H – Business history: The Canadian experience in international perspective

This course explores the development in business in Canada in terms of the nation's economic growth but also in the context of larger patterns of evolution in other industrial nations and the emergence of a global economy. Prerequisite: 1.0 HIST credit at the 1000-level, CAST 1000Y, or ADMN 1000H with at least a 60% grade or permission of the chair. Excludes HIST – CAST 308. Students may only take one of HIST 3080Y or 3081H for credit.

HIST 3110Y – Colonial and revolutionary America, 1630–1800

Explorations in the social, economic, religious and intellectual aspects of political change in the thirteen colonies. Prerequisite: 1.0 HIST credit at the 1000-level with at least a 60% grade or permission of the chair. Excludes HIST 311.

HIST 3120Y – The United States from the crash of 1929 to the crash of 2008

This course traces the history of the U.S. from the era of the Great Depression and the New Deal to the present, focusing on the changing political and economic environment and the expansion of American military power. Prerequisite: 1.0 HIST credit at the 1000-level with at least a 60% grade or permission of the chair. Excludes HIST 312H and 3121H. Students may take only one of HIST 3120Y or 3121H for credit.

HIST 3121H – 1960s America: Protest, politics and popular culture

This course will explore protest, politics, and popular culture during one of the most tumultuous and influential periods in United States history. Topics will include: Cold War culture and the Vietnam War; civil rights, antiwar, and feminist movements; popular music and the visual arts; and the post-1960s conservative resurgence. Prerequisite: 1.0 HIST credit at the 1000-level with at least a 60% grade or permission of the chair. Excludes HIST 312H and 3120Y. Students may take only one of HIST 3120Y or 3121H for credit.

HIST 3141H – America in the age of global conflict 1898–1945

This course complements the current HIST 3120Y/3121H on U.S. domestic history in the 20th century and HIST 3150Y/3151H which covers U.S. foreign relations after 1945. Students will acquire an understanding of the role played by the United States in the turbulent period of the two World Wars, and an appreciation of the economic and political dimensions of foreign policy. Prerequisite: 1.0 HIST credit at the 1000-level with at least a 60% grade or permission of the chair.

HIST 3150Y/3151H – Triumph and tragedy: United States foreign policy, 1945–1990

Major factors and historical processes that shaped American foreign policies during the Cold War, with special attention to United States policy in the developing world, the nature of empire, the emergence of the Central Intelligence Agency, dictatorship, and the interactions between foreign and domestic policy making in American politics, among other problems. Prerequisite: 1.0 HIST credit at the 1000-level with at least a 60% grade or permission of the chair. Excludes HIST 315, 3952H (2004WI), 4150Y, 4151H. Students may take only one of HIST 3150Y or 3151H or 4150Y or 4151H for credit.

HIST – CAST – WMST 3160Y – Canadian women's history

Selected themes in Canadian women's history from the 18th to the 20th century. Emphasis is placed on class, race and gender in shaping women's experiences and on interpretive debates in women's history. Prerequisite: 1.0 HIST credit at the 1000-level or WMST 1000Y with at least a 60% grade or permission of the chair. Excludes HIST – CAST – WMST 316.

HIST 3200Y – Modern British history, from the Industrial Revolution to the era of Margaret Thatcher

Special emphasis on the Victorians, culture, class and gender, and the making of modern British society. Prerequisite: 1.0 HIST credit at the 1000-level with at least a 60% grade or permission of the chair. Excludes HIST 320.

HIST – CAST 3240Y – Canada: The North (see Canadian Studies)**HIST 3250Y – The Soviet experiment**

A history of the Soviet Union from 1917 to 1991. The course examines this history as a series of social, political, economic, and cultural experiments with a focus on the complexities and contradictions of these transformations. Prerequisite: 1.0 HIST credit at the 1000-level with at least a 60% grade or permission of the chair. Excludes HIST 325.

HIST – SOCI 3260Y – The other Europe

The history of the "small nations" and minorities of East Central Europe between 1848 and 1989 with special emphasis on the Czechs, Poles, Jews and Ukrainians. The course will focus on modernization and nation-building and the social aspects of integration and disintegration. Prerequisite: 1.0 HIST credit at the 1000-level with at least a 60% grade or permission of the chair. Excludes HIST 223, HIST – SOCI 326.

HIST 3300Y/3301H – Modern German history, 1815 to the present

The political, social, economic and cultural history of the modern German nation, with special emphasis on the eras of Wilhelmine Germany, the Weimar Republic and the Third Reich. Prerequisite: 1.0 HIST credit at the 1000-level with at least a 60% grade or permission of the chair. Excludes HIST 330. Students may take only one of HIST 3300Y or 3301H for credit.

HIST 3310Y – The Nazi Holocaust and modern culture

This course examines the Nazi program of mass-murder in the context of earlier and later genocides, with particular emphasis on questions of agency and complicity. Topics include Nazi eugenics and race policy, the culture of the concentration camps, the role of ordinary Germans, resistance, and the Holocaust in popular culture. Prerequisite: 1.0 HIST credit at the 1000-level with at least a 60% grade or permission of the chair. Excludes HIST 4310Y. (Offered only in Oshawa.)

HIST – CAST – INDG 3335H – First Nations and the welfare state 1940–1980 (see Canadian Studies)**HIST 3340Y – Italy, Portugal and Spain since 1800**

This course is a trans-national exploration of the changes that transformed all three countries from mostly peasant societies into modern urban ones. It deals with issues such as land, culture, religion, politics and war. Prerequisite: 1.0 HIST credit at the 1000-level with at least a 60% grade or permission of the chair.

HIST 3350Y – Era of the First World War

This course examines the political, military, social, economic and cultural aspects of a war that destroyed millions of people, brought about the collapse of four empires, and ended the illusion that European civilization was superior to all others. Prerequisite: 1.0 HIST credit at the 1000-level with at least a 60% grade or permission of the chair. Excludes HIST 335.

HIST 3360Y – Era of the Second World War

Political, military, social, economic, and cultural aspects of the war. Prerequisite: 1.0 HIST credit at the 1000-level with at least a 60% grade or permission of the chair. Excludes HIST 336.

HIST 3370Y – History of espionage, intelligence, and surveillance

A survey of key Western and selected non-Western secret service and secret police forces and their operations, including aspects of 19th-century imperial and colonial secret services; the Abwehr, the SS Sicherheitsdienst, and the GDR's Stasi; the Cheka, KGB, and GRU; the OSS, the CIA and Britain's MI5 and MI6; and Israel's Mossad. Prerequisite: 1.0 HIST credit at the 1000-level with at least a 60% grade or permission of the chair. Excludes HIST 337, 337H (2004–2005).

HIST – IDST 3401H – Southern Africa in the 19th century

An examination of major issues, including the gradual British colonial conquest of the Xhosa people in the Cape, the Boer trek into the interior, African military resistance to colonial expansion and the impact of mineral discoveries. Prerequisite: 1.0 HIST credit at the 1000-level with at least a 60% grade or permission of the chair.

HIST – IDST 3402H – Southern Africa in the 20th century

Themes will include the Union of South Africa in 1910, the development of African nationalism and trade unions, the rise of the Apartheid state from 1948, wars of liberation in Angola and

Mozambique, the Rhodesian crisis, South Africa's campaign to destabilize the Frontline States in the 1980s and post-Apartheid issues. Prerequisite: 1.0 HIST credit at the 1000-level with at least a 60% grade or permission of the chair.

HIST 3480Y – Cuban-Canadian-U.S. relations

This course explores Canadian and American relations with the Republic of Cuba from the era of the Spanish-American war to the present. Special emphasis will be given to the Castro era, and to the divergent North American attitudes and policies towards the Cuban revolution. Prerequisite: 1.0 HIST credit at the 1000-level with at least a 60% grade or permission of the chair. Excludes HIST 3954Y, 4480Y, 4952Y. (Offered only in Oshawa.)

HIST – FREN 3505Y – French civilization / La civilisation française (see French Studies)

HIST 3510Y – History of medicine: Global health and healthcare from the bubonic plague to the AIDS pandemic

This course explores the global history of health and healing, examining the experiences of patients, health practitioners, medical scientists, and the public. The health systems examined include homeopathy, herbalist, indigenous, Indian, and western medicine. Prerequisite: 1.0 HIST credit at the 1000-level with at least a 60% grade or permission of the chair.

HIST 3551Y/3550H – Medieval warfare

An examination of developments in warfare during the European Middle Ages (300 to 1500 CE). Prerequisite: 1.0 HIST credit at the 1000-level with at least a 60% grade or permission of the chair. Excludes HIST 355H. Students may take only one of HIST 3551Y or 3550H for credit.

HIST 3560Y – The family in England, 1500–1900

A social history of the changes in family life in England wrought by the reformation, renaissance, civil war, enlightenment, and industrialization. While focusing upon plebeian families, it considers broad legal and social trends that affected all families and all members of the English household, including extended family, servants, and apprentices. Prerequisite: 1.0 HIST credit at the 1000-level with at least a 60% grade or permission of the chair. Excludes HIST 382, 3953Y (2005-2006), 456, 4560Y, 4959Y (2005-2006). (Offered only in Oshawa.)

HIST 3580Y – Witchcraft and magic in the western world

Explores the phenomenon of witchcraft in early modern Europe and New England (1450-1750) in the context of family and community structures, religious beliefs, legal system, health care, and dissemination of ideas, including social-anthropological role of accusations and philosophies and ideologies facilitating belief in witchcraft and its censure. Prerequisite: 1.0 HIST credit at the 1000-level with at least a 60% grade or permission of the chair. Excludes HIST 4580Y.

HIST 3600Y – The expansion of Europe from 1450–1825

This course explores the origins of the European overseas expansion; the participating European powers; the relationship between explorations, trade, colonization; the relative impact of the expansion on the societies of the Americas, Africa and Asia; and its repercussions in European politics, economy, lifestyle and intellectual life. Prerequisite: 1.0 HIST credit at the 1000-level with at least a 60% grade or permission of the chair. Excludes HIST 200 and 360.

HIST 3604Y – The Soviet Union and the Cold War

An examination of the Cold War from the Soviet perspective. We will focus on the nature of historical explanation by looking at the scholarship that has emerged since 1989 and how this new research has affected earlier assumptions about Soviet conduct and the dynamics of the Cold War. Prerequisite: 1.0 HIST credit at the 1000-level with at least a 60% grade or permission of the chair. Excludes HIST 4604Y. (Offered only in Oshawa.)

HIST 3650Y – The history of the Middle East

A survey of the modern Middle East from 19th-century Ottoman rule to the present day. Prerequisite: 1.0 HIST credit at the 1000-level with at least a 60% grade or permission of the chair. Excludes HIST 365, 3952Y (2004–2005).

HIST – IDST 3750Y – The history of Eastern Asia, 15th century to the present

A survey of modern China and Japan as well as some Southeast Asian countries (Vietnam, Indonesia, and the Philippines). The emphasis will be on cultural and historical diversities, regional dynamism and exchanges, and the wars and revolutions of the 20th century. Prerequisite: 1.0 HIST credit at the 1000-level with at least a 60% grade or permission of the chair. Excludes HIST 370 (2005–2006), HIST – IDST 375.

HIST – FRSC 3751Y – The history of crime in England

A social history of crime between 1500 and 1900, from the perspective of the prosecutors and the courts as well as that of the criminals. Topics include witchcraft, sodomy, murder, theft, rape, and prostitution. (Offered only in Oshawa.) Prerequisite: 1.0 HIST credit at the 1000-level with at least a 60% grade or permission of the chair. Excludes HIST 385, 3850Y, 4751Y, 4850Y.

HIST 3755Y – The early modern Atlantic world

This course encompasses developments from the beginning of European settlement in the New World to the pre-revolutionary period in the mid-18th century. Topics include the destruction and reconfiguration of indigenous societies, cross-cultural relations, European transatlantic migrations, the slave trade, overseas trade, as well as war and conflict in colonial empires. Prerequisite: 1.0 HIST credit at the 1000-level with at least a 60% grade or permission of the chair. Excludes HIST 3955Y.

HIST – ERST 3756H – The environmental crisis: From the atomic bomb to global warming

This course provides a historical perspective on contemporary environmental problems, mostly within the United States but also around the globe. Topics include: toxic chemicals and other threats to human health; landscape photography and environmentalism; international campaigns to save elephants and other species; and the current debate over global warming. Prerequisite: 1.0 HIST credit at the 1000-level with at least a 60% grade or permission of the chair. Excludes HIST – ERST 3956H.

HIST – CAST 3757Y/3758H – History of Western Canada

A history of the Canadian west from its aboriginal origins to the present focusing on the political, cultural and economic transitions between the many different “wests”: aboriginal space, fur-trade society, resource frontier, and hotbed of both Canadian conservatism and socialism. Prerequisite: 1.0 HIST credit at the 1000-level or CAST 1000Y with at least a 60% grade or permission of the chair. Excludes HIST 3957. Students may take only one of HIST – CAST 3757Y or 3758H for credit.

HIST 3800Y/3810H – Early modern Europe

Selected social, economic, institutional, intellectual and cultural features of early modern Europe (c.1500 – c.1800), with special emphasis on popular culture, including such themes as gender relations, sexuality, popular religion, riots, literacy, crime and popular politics. Prerequisite: 1.0 HIST credit at the 1000-level with at least a 60% grade or permission of the chair. Excludes HIST 380, 381H. Students may take only one of HIST 3800Y or 3810H for credit.

HIST – INDG 3830H – Community-based oral history methods (see Indigenous Studies)**HIST 3900Y, 3901H – Reading course**

Individual courses designed to provide opportunities for more intensive study of particular topics in areas of history offered by the department. Open to undergraduates in the third year of the History program. Permission from relevant instructors and departmental approval is essential before registering. Regular consultation during the year. Prerequisite: 1.0 HIST credit at the 1000-level with at least a 60% grade.

HIST – CAST – INDG 4000Y – Research seminar in Indigenous history (see Canadian Studies)**HIST – CAST 4030Y – History of night**

An introduction to contemporary approaches to cultural history through an investigation of witchcraft, crime, sexuality, entertainment and other themes related to the dark side of human experiences. Prerequisite: completion of all 1000- to 3000-level HIST courses required for a General B.A. in History or permission of the chair. Excludes HIST – CAST 403.

HIST – CAST 4040Y – Issues in the history of Canadian foreign policy

This course will examine Canada's role in international organization (the United Nations and NATO), the Cold War, peacekeeping and Canadian relations with developing nations. Prerequisite: completion of all 1000- to 3000-level HIST courses required for a General B.A. in History or successful completion of at least 4.0 CAST credits or permission of the chair. Excludes HIST – CAST 4903Y.

History 4050Y – Topics in Medieval history

Topic will be announced on the department website. Prerequisite: the completion of all 1000- to 3000-level HIST courses required for a General B.A. in History or permission of the chair. Excludes HIST 405.

HIST – CAST 4070Y – The Canadian-American frontier

The Canadian West from first contact between Europeans and Native Peoples to the end of the settlement period in the early 20th century. Special emphasis on relations between European and Native Peoples, exploration, the fur trade, rebellions, government policies, the ranching and farming frontiers and the influx of new immigrant groups. Comparisons with the American West. Prerequisite: completion of all 1000- to 3000-level HIST courses required for a General B.A. in History or successful completion of at least 4.0 CAST credits or permission of the chair. Excludes HIST – CAST 407.

HIST 4080Y – The transformations of American politics

The U.S. has experienced several “transformational” changes in its political history, from Lincoln and the Civil War, through the Great Depression and the New Deal, and the rise of Reagan's “New Right.” This course reviews the impact of these transformations on the present American political environment. Prerequisite: completion of all 1000- and 3000-level HIST courses required for a General B.A. in History or permission of the chair. Excludes HIST 408, 4954Y (2005-06).

HIST 4090Y – American visual culture

A study of visual images in relation to broad themes in United States history. Topics include: landscape painting and frontier expansion; documentary photography and political reform; mass media

portrayals of feminism, civil rights, and other social movements; debates over monuments and memorials; Hollywood film; and the history of modern art. Prerequisite: completion of all 1000- to 3000-level HIST courses required for a General B.A. in History or permission of the chair. Excludes HIST 4958Y.

HIST – CAST 4100Y – Topics in Canadian history

Topic will be announced on the department website. Prerequisite: completion of all 1000- to 3000-level HIST courses required for a General B.A. in History or successful completion of at least 4.0 CAST credits or permission of the chair.

HIST 4150Y/4151H – Triumph and tragedy: United States foreign policy, 1945–1990

Major factors and historical processes that shaped American foreign policies during the Cold War, with special attention to United States policy in the developing world, the nature of empire, the emergence of the Central Intelligence Agency, dictatorship, and the interactions between foreign and domestic policy making in American politics, among other problems. Prerequisite: completion of all 1000- to 3000-level HIST courses required for a General B.A. in History or permission of the chair. Excludes HIST 315, 3150Y/3151H, 3952H (2004WI). Students may take only one of HIST 3150Y, 3151H, 4150Y or 4151H for credit.

HIST – CAST – WMST 4160Y – Canadian women's history

Selected themes in Canadian women's history from the 18th to the 20th century. Emphasis is placed on class, race and gender in shaping women's experiences and on interpretive debates in women's history. Prerequisite: completion of all 1000- to 3000-level HIST courses required for a General B.A. in History or successful completion of at least 4.0 CAST credits or 4.0 WMST credits or permission of the chair. Excludes HIST – CAST – WMST 316, 3160Y. (Offered only in Oshawa.)

HIST – CAST 4200Y – Canadian images (see Canadian Studies)**HIST – CAST 4210Y – The car in history: Business, culture, society and the automobile in North America**

The epitome of modernity, the automobile influences almost every aspect of living and working: social status, time, space, and even dating. From parking lots to advertising, this course explores the immense impact of the automobile – positive and negative – on the social, cultural and economic landscape of North America. Prerequisite: completion of all 1000- to 3000-level HIST courses required for a General B.A. in History or successful completion of at least 4.0 CAST credits or permission of the chair. Excludes HIST – CAST 4954Y.

HIST – CAST – INDG 4250Y – The evolution of the settlement commonwealth (see Indigenous Studies)**HIST – CAST 4290Y – Conflict and convergence: Canadian-American relations since 1776**

This course examines Canada's relationship with the United States from the 18th century to the present day. Topics include Canadian-American diplomacy, continental integration, cultural convergence, and the conceptualization of the Canadian-American relationship. Prerequisite: completion of all 1000- to 3000-level HIST courses required for a General B.A. in History or successful completion of at least 4.0 CAST credits or permission of the chair. Excludes HIST – CAST 4957.

HIST 4300Y – Topics in modern German history

Topic will be announced on the department website. Prerequisite: completion of all 1000- to 3000-level HIST courses required for a General B.A. in History or permission of the chair. Excludes HIST 430.

HIST 4310Y – The Holocaust

Seminar on the Holocaust and its victims, perpetrators and bystanders. Topics include Nazi eugenics and race policy, the death camps, the SS and Nazi police battalions in Eastern Europe, the role of ordinary Germans, resistance, and the Holocaust in popular culture. Prerequisite: completion of all 1000- to 3000-level History courses required for a General B.A. in History or permission of the chair. Excludes HIST 3310Y.

HIST – CAST – POST 4350Y – The history of the radical book in Canada, 1860 – 1970 (see Canadian Studies)**HIST 4360Y – Era of the Second World War**

An examination of the Second World War era, 1939–45, with an emphasis on the military and cultural aspects of this global conflict, including its diplomatic origins, the impact of economic mobilization on the home fronts, the consequences of strategic bombing, and military operations in all the major theatres. Prerequisite: completion of all 1000- to 3000-level HIST courses required for a General B.A. in History or permission of the chair. Excludes HIST 4902Y, 3360Y (336).

HIST 4401Y – Topics in modern comparative European history

Topic will be announced on the department website. Prerequisite: completion of all 1000- to 3000-level History courses required for a General B.A. in History or permission of the chair. Excludes HIST 455.

HIST 4410Y – Rebellions and civil wars in sub-Saharan Africa

This course will focus on violent protest in Sub-Saharan Africa from the late 19th century to the present. It will begin with an examination of the many peasant uprisings against the exploitation of colonial rule and ultimately look at recent African civil wars which have been fuelled by diamond mining. Prerequisite: completion of all 1000- to 3000-level HIST courses required for a General B.A. in History or permission of the chair. Excludes HIST 4904Y.

HIST 4420Y – 1908 in Paris, London, Vienna and Berlin

The course examines life in four cities – London, Paris, Vienna and Berlin – during one pivotal year, 1908. Its focus is social and cultural: the everyday life of the élite, the working class and the bourgeoisie; art and literature, queer life, spiritual life; agents of subversion. Prerequisite: completion of all 1000- to 3000-level HIST courses required for a General B.A. in History or permission of the chair. Excludes HIST 4905Y.

HIST – INDG 4461Y – Revolution, subversion and power in Indigenous Latin America

This course counters erasures of Indigenous Latin America from Mexico to Chile by focusing on indigenous resistance, revolution, integration and subversion. Prerequisites: completion of all 1000- to 3000-level HIST courses required for a General B.A. in History or completion of INDG 1000Y with at least a 60% grade and at least 10.0 university credits or permission of the chair.

HIST 4470Y – Topics in Latin American history

Topic will be announced on the department website. Prerequisite: completion of all 1000- to 3000-level HIST courses required for a General B.A. in History or permission of the chair. Excludes HIST 447.

HIST 4480Y – Cuban-Canadian-U.S. relations

This course explores Canadian and American relations with the Republic of Cuba from the era of the Spanish-American war to the present. Special emphasis will be given to the Castro era, and to the divergent North American attitudes and policies towards the Cuban revolution. Prerequisite: completion of all 1000- to 3000-level HIST courses required for a General B.A. in History or permission of the chair. Excludes HIST 3480Y, 3954Y, 4952Y. (Offered only in Oshawa.)

HIST 4500Y – The world, 1350 – 1750

An examination of the patterns of continuity and change in a period of world history marked, among other developments, by the rise of Europe and emergence of capitalism. The focus is the relationship between political power, economy, social structures, culture, values and attitudes in various world societies. Prerequisite: completion of all 1000- to 3000-level HIST courses required for a General B.A. in History or permission of the chair. Excludes HIST 450.

HIST 4510Y – Medieval warfare

Themes in the history of warfare during the Middle Ages, including knights, chivalry, infantry, archers, guns, fortifications, siege warfare, logistics, tactics and gender. Prerequisite: completion of all 1000- to 3000-level HIST courses required for a General B.A. in History or permission of the chair. Excludes 3551Y, 3550H, 4050Y (2010-11 Topic: Medieval warfare.)

HIST 4550Y – Topics in the history of early modern Europe

Current topic: Medicine and society in Europe: 1500–1800. Select aspects of the history of health, healing, and early modern culture. Prerequisite: the completion of all 1000- to 3000-level HIST courses required for a General B.A. in History or permission of the chair. Excludes HIST 455.

HIST 4560Y – The family in England, 1500–1900

A social history of the changes in family life in England wrought by the reformation, renaissance, civil war, enlightenment, and industrialization. While focusing upon plebeian families, it considers broad legal and social trends that affected all families and all members of the English household, including extended family, servants, and apprentices. Prerequisite: completion of all 1000- to 3000-level HIST courses required for a General B.A. in History or permission of the chair. Excludes HIST 382, 3560Y, 3953Y (2005–2006), 456, 4959Y (2005–2006). (Offered only in Oshawa.)

HIST 4580Y – Witchcraft and magic in the western world

Explores the phenomenon of witchcraft in early modern Europe and New England (1450-1750) in the context of family and community structures, religious beliefs, legal system, health care, and dissemination of ideas, including social-anthropological role of accusations and philosophies and ideologies facilitating belief in witchcraft and its censure. Prerequisite: completion of all 1000 to 3000-level HIST courses required for a General B.A. in History or permission of the chair. Excludes HIST 3580Y.

HIST 4600Y/4601H – Topics in Russian and East European history

Topic will be announced on the department website. Prerequisite: completion of all 1000- to 3000-level HIST courses required for a General B.A. in History or permission of the chair. Excludes HIST 460. Students may take only one of HIST 4600Y or 4601H for credit.

HIST 4604Y – The Soviet Union and the Cold War

An examination of the Cold War from the Soviet perspective. We will focus on the nature of historical explanation by looking at the scholarship that has emerged since 1989 and how this new research has affected earlier assumptions about Soviet conduct and the dynamics of the Cold War. Prerequisite: completion of all 1000- to 3000-level HIST courses required for a General B.A. in History or permission of the chair. Excludes HIST 3604Y.

HIST 4650Y – Topics in the history of the Middle East

Current topic: Islam and Terrorism. Advanced seminar course on select aspects of the history of the Middle East. Prerequisite: completion of all 1000- to 3000-level HIST courses required for a General B.A. in History or permission of the chair. Excludes HIST 465, 4958Y (2004–2005).

HIST – CAST – ERST 4670H – Environmental history (see Environmental & Resource Science/ Studies)**HIST 4700Y – The Vietnam War: A view from Vietnam (c. 1960–1975)**

The course examines the social and political dimensions of the Vietnam War from the perspective of Vietnam. While the main focus will be on the war's impact on Vietnamese society, attention will also be paid to the roles played by the US, the Communist Bloc, and the Cold War. Prerequisite: completion of all 1000- to 3000-level HIST courses required for a General B.A. in History or permission of the chair. Excludes HIST 470.

HIST – FRSC 4751Y – The history of crime in England

A social history of crime between 1500 and 1900, from the perspective of the prosecutors and the courts as well as that of the criminals. Topics include witchcraft, sodomy, murder, theft, rape, and prostitution. Prerequisite: completion of all 1000- to 3000-level HIST courses required for a General B.A. in History or permission of the chair. Excludes HIST 3751Y, 385, 3850Y, 4850Y, 4953Y.

HIST 4755 – Early modern piracy

This course examines two hundred years of maritime depredations from the first raid of a Spanish treasure fleet in 1523 to the suppression of piracy in 1726. It addresses social, economic, political and cultural aspects of piracy, the underlying conditions, and the representations of this popular historical theme in the media. Prerequisite: completion of all 1000- to 3000-level HIST courses required for a General B.A. in History or permission of the chair. Excludes HIST 4951Y.

HIST – CAST 4760Y – Canadian and Australian working class history (see Canadian Studies)**HIST – CAST – POST 4770Y – Studies in Canadian social policy (see Canadian Studies)****HIST – CAST 4780Y – North American popular culture**

A study of North American entertainment from the early 19th century to the late 20th century. The course will focus on both the evolution and social impact of dominant media forms, and on representative figures who captured public attention. Prerequisite: completion of all 1000- to 3000-level HIST courses required for a General B.A. in History or permission of the chair. Excludes HIST–CAST 478, 4952Y (2005–2006).

HIST 4800Y – History of madness

This course explores madness in the West from the 17th century to the present, seeking to understand how mental illness has been constructed by the medical profession and society, and by those labelled mad. Social and cultural issues will be approached through sources including patient narratives, asylum records, and film. Prerequisite: completion of all 1000- to 3000-level HIST courses required for a General B.A. in History or permission of the chair. Excludes HIST 4907Y.

HIST 4900Y, 4901H – Reading course

Individual courses designed to provide opportunities for more intensive study of particular topics in areas of history offered by the department. Open to undergraduates in the fourth year of the Honours program in History. Permission from relevant instructors and departmental approval is essential before registering. Regular consultation during the year. Prerequisite: completion of all 1000- to 3000-level HIST courses required for a General B.A. in History.

HIST 4963Y – The history of the Caribbean: Creating diversity from adversity, 1838 to 1960

This seminar examines the social history of post-emancipation colonial Caribbean societies, exploring the legacies of slavery and their influences on the struggles of Indigenous, Afro-Caribbean, Indo-Caribbean, European, and Creole peoples to shape their culturally rich and distinct societies. Prerequisite: completion of all 1000- to 3000-level History courses required for a General B.A. in History or permission of the chair.

HIST – CAST 4970Y – Canada since 1945

This course examines the social, political and cultural history of Canada since the end of the Second World War, exploring the Baby Boom, the social transformations wrought by the Sixties and Seventies, deindustrialization, changes in Quebec and English Canadian nationalism, the pressures of Americanization, and Canada's changing place in the world. Prerequisite: completion of all 1000- to 3000- level HIST courses required for a General B.A. in History or successful completion of at least 4.0 CAST credits or permission of the chair.

Indigenous Environmental Studies

Telephone: 705-748-1011 ext. 7426
Fax: 705-748-1569

E-mail: ies@trentu.ca
Web: www.trentu.ca/ies

Program Coordinators

Chair of the Department of Indigenous Studies

D. Newhouse, (Onondaga), B.Sc., M.B.A. (Western)

Chair of the Environmental & Resource Science/Studies Program

S. Bocking, B.Sc., M.A., Ph.D. (Toronto)

Director of the Program

D. Longboat, Rononhiakewen, (Haudenosaunee), B.A. (Trent), M.E.S., Ph.D. (York)

The Indigenous Environmental Studies Program at Trent University is an innovative and multidisciplinary program. It brings together principles of both Indigenous knowledge and western science. Instruction integrating these approaches will provide students with the necessary knowledge, skills and critical thinking abilities to begin to address the complex environmental problems facing both Indigenous and non-Indigenous communities around the world today. The foundation upon which the program and its courses are based inherently recognizes both the strengths and limitations of any single perspective and seeks to develop integrative thinking to address environmental, health and social issues.

Notes

- Students who have earned the Diploma in the Indigenous Environmental Studies Program (IESP) may apply for admission to the B.A. or B.Sc. degrees. Credits earned in the Diploma program are transferable to the B.A. and B.Sc. degrees.
- Indigenous students seeking admission to this or other University programs should contact the Director of the First Peoples House of Learning in the Indigenous Studies department to inquire about getting special assistance with the admission process.
- Enrolment limits will apply to some courses. Please refer to the Academic Timetable for information about Early Registration procedures.
- For the most complete and up-to-date information on the Indigenous Environmental Studies program – courses, faculty, procedures, policies, special events, etc. – check the program website at www.trentu.ca/ies.

BACHELOR OF ARTS AND BACHELOR OF SCIENCE PROGRAMS IN INDIGENOUS ENVIRONMENTAL STUDIES

- See [p. 28](#) for requirements which apply to all undergraduate degree programs.
- There is no minor in Indigenous Environmental Studies.
- Indigenous Environmental Studies is not available as part of a joint-major degree.
- An Indigenous language course is strongly recommended.
- The specialization in Indigenous Environmental Studies has been discontinued. Students currently registered in this specialization will still be able to complete the specialization and should consult the Director of the Indigenous Environmental Studies program. Students may not graduate with a degree in Indigenous Environmental Studies and a Specialization in Indigenous Environmental Studies.

BACHELOR OF ARTS PROGRAM

The single-major Honours program. 20.0 credits including the following 10.0 credits:

- 3.5 credits consisting of ERSC 1000Y (100), INDG 1000Y (100), ERSC – INDG 2150H (215) or ERSC 2240H, and ERST – INDG 2601Y (260)
- 0.5 credit from any other ERSC, ERST or INDG course at the 2000-level or above
- 1.0 credit from ERST – INDG 3630Y (363) or ERSC/ERST – INDG 3730Y (373)
- 1.0 credit from INDG – ERST 4730Y (473) or INDG – ERST/ERSC – NURS 4740Y (474)
- 2.0 additional INDG credits at the 3000- or 4000-level
- 2.0 additional ERST/ERSC credits at the 3000- or 4000-level

The single-major General program. 15.0 credits including the following 7.0 credits:

- 3.5 credits consisting of ERSC 1000Y (100), INDG 1000Y (100), ERSC – INDG 2150H or ERSC 2240H, and ERST – INDG 2601Y (260)
- 0.5 credit from any other ERSC, ERST or INDG course at the 2000-level or above
- 1.0 credit from ERST – INDG 3630Y (363) or ERSC/ERST – INDG 3730Y (373)
- 1.0 credit from INDG – ERST 4730Y (473) or INDG – ERST/ERSC – NURS 4740Y
- 1.0 additional ERST/ERSC or INDG credits at the 3000- or 4000-level

BACHELOR OF SCIENCE PROGRAM

The single-major Honours program. 20.0 credits including the following 11.0 credits:

- 2.0 credits consisting of ERSC 1000Y (100) and INDG 1000Y (100)
- 0.5 credits from BIOL 1020H (102H), GEOG 1040H (104H), or ANTH 1010H (101H)
- 1.0 credit consisting of ERST – INDG 2601Y (260)
- 1.5 credits from ERSC 2220H (220), 2230H, 2240H, ERSC – BIOL 2260H (226H)
- 1.0 additional ERSC credit at the 2000-level
- 4.0 credits consisting of ERST – INDG 3630Y (363), ERSC/ERST – INDG 3730Y (373), INDG – ERST 4730Y (473) and INDG – ERST/ERSC – NURS 4740Y
- 1.0 additional ERSC credit at the 3000- or 4000- level
- 14.0 science credits are required for the Honours degree, including 1.0 MATH credit

The single-major General program. 15.0 credits including the following 8.0 credits:

- 2.0 credits consisting of ERSC 1000Y (100) and INDG 1000Y (100)
- 0.5 credits from BIOL 1020H (102H), GEOG 1040H (104H), ANTH 1010H (101H)
- 1.0 credit consisting of ERST – INDG 2601Y (260)
- 1.5 credits from ERSC 2220H (220), 2230H, 2240H, ERSC – BIOL 2260H (226H)
- 3.0 credits consisting of ERST – INDG 3630Y (363), ERSC/ERST – INDG 3730Y (373), and INDG – ERST/ERSC – NURS 4740Y
- 11.0 science credits are required for the General degree, including 1.0 MATH credit

DIPLOMA IN INDIGENOUS ENVIRONMENTAL STUDIES

The program also offers a Diploma which is intended for students of Indigenous ancestry, who may be interested in specific educational opportunities or as a pathway to a university degree.

- The Diploma is a two-year program open to students who have the equivalent of Ontario Grade 12 or qualify as mature students.
- The Diploma will be awarded upon successful completion of the program. A Trent University transcript will identify all courses undertaken and grades received.
- Students who have earned the Diploma may apply for admission to the B.A. or B.Sc. program. Credits earned in the Diploma program are transferable to the general or honours B.A. and B.Sc. degrees.
- Indigenous students seeking admission to this or other University programs should contact the Director of the First Peoples House of Learning in the Indigenous Studies department to inquire about special assistance with the Admission process.

Courses

- INDG 1010Y provides the academic skills, attitudes, strategies and mutual support systems for students in the Indigenous Studies Diploma, Indigenous Management and Economic Development, or the Indigenous Environmental Studies programs.
- During either the first or second year, students are required to successfully complete a field course, ERSC – INDG 2150H (or 265).

The following 7.5 credits are required to complete the program:

- 3.0 credits consisting of INDG 1000Y (100), 1010Y (101), 1500H (150H), 1510H (151H)
- 1.0 credit consisting of ERSC 1000Y (100)
- 1.0 credit from ERST 2570H (257H), ERST – CAST 2520H, 2525H (250), CAST – ERST – GEOG – INDG 2040Y (204)
- 1.0 credit consisting of INDG – ERST 2601Y (260)
- 1.5 credits consisting of ERSC – INDG 2150H (215H) and 1.0 additional credit from INDG or ERSC/ERST; or ERSC – INDG 265 and 0.5 additional credit from INDG or ERSC/ERST

Indigenous Studies

Telephone: 705-748-1011 ext. 7466
Fax: 705-748-1416

E-mail: indigenoustudies@trentu.ca
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Chair of the Department

D. Newhouse, (Onondaga), B.Sc., M.B.A. (Western)

Associate Professor and Canada Research Chair

M. Mumford, (Métis), B.A. (Alberta), M.F.A. (Brandeis)

Assistant Professor and Chair of Indigenous Knowledge

S. Swamp, (Mohawk), Wolf Clan Faithkeeper, B.A. (McMaster)

Professor

D. N. McCaskill, B.A. (Winnipeg), M.A. (Carleton), Ph.D. (York)

Associate Professors

L. Davis, B.A. (Queen's), M.A. (Sussex), M.A. (Alberta), Ph.D. (Toronto); **M. Dockstator**, (Oneida), L.L.B. (York), D.Jur. (York); **C. Furgal**, B.Sc. (Western), M.Sc., Ph.D. (Waterloo); **M. Lacombe**, B.A. (McGill), M.A., Ph.D. (York); **D. Longboat**, Roronhiakewen, (Haudenosaunee), B.A. (Trent), M.E.S., Ph.D. (York); **N. McLeod**, (Cree), B.A., M.A. (Saskatchewan), Ph.D. (Regina); **D. Newhouse**, (Onondaga), B.Sc., M.B.A. (Western) **P. Sherman**, (Algonkian) B.A. (Eastern Connecticut State), M.A. (Connecticut), Ph.D. (Trent)

Adjunct Faculty

L. Ellingson, B.A. (Alberta), M.A. (Manchester), M.A. (Simon Fraser); **R. Jones**, (Pembina Chippewa), M.S. (Utah)

Director, First Peoples House of Learning

J. Argue, B.A. (Guelph), B.A. (Trent)

Cultural Advisor

V. Douglas, B.A. (Laurentian)

Aboriginal Counsellor

Lindy Garneau, B.A. (Trent)

Professors Emeriti

M. J. Castellano, (Mohawk), OC, O.Ont., B.A. (Queen's), M.S.W. (Toronto); LLD (Carleton, Queen's, St. Thomas); **E. Manitowabi**, (Anishinaabe Kwe), B.A. (Laurentian); **S. I. Williams**, (Anishinaabe Kwe), B.A. (Trent), M.E.S. (York)

Indigenous Studies is a multi-disciplinary examination, analysis and reflection upon Indigenous experience in Canada and the world. This exploration, based in western and Indigenous epistemologies, aims to develop a more complex understanding of this experience in its many dimensions: political, economic, social, cultural and spiritual. The Indigenous Studies program offers a wide variety of courses allowing students to explore a particular aspect of this experience as well as opportunities for studying their interrelatedness. The program also collaborates with the Business Administration program through the Indigenous Management & Economic Development program and with the Environmental & Resource Science/Studies program in offering the Indigenous Environmental Studies program.

Notes

- For the Diploma in Foundations of Indigenous Learning, see below.
- For the Diploma in Indigenous Management & Economic Development, see below.
- For the Specialization in Indigenous Management & Economic Development, see below.
- For the Bachelor of Arts and Bachelor of Science Programs in Indigenous Environmental Studies, and the Diploma in Indigenous Environmental Studies see Indigenous Environmental Studies ([p.159](#)).
- For the North American Mobility Program, see below.
- For the Year Abroad program in Thailand, see below.

Note, the specialization in Indigenous Environmental Studies has been discontinued. Students currently registered in this specialization will still be able to complete the specialization and should consult the Academic Programs Coordinator. A degree in Indigenous Environmental Studies/Science replaces the specialization. Students may not graduate with a degree in Indigenous Environmental Studies and a Specialization in Indigenous Environmental Studies.

BACHELOR OF ARTS PROGRAM IN INDIGENOUS STUDIES

- See [p. 28](#) for requirements which apply to all undergraduate degree programs.
- The same course may not simultaneously satisfy the requirements of both programs in a joint-major degree.

The single-major Honours program. 20.0 credits including the following 9.0 credits:

- 5.0 INDG credits consisting of INDG 1000Y (100), 2100Y, 3105Y, 3810H (381H), INDG – HIST 3830H (383H), and INDG 4200Y (420)
- 4.0 INDG credits in addition to the above, 1.0 from each of the four clusters
- At least 3.0 of the total 9.0 credits must be at the 4000-level

The joint-major Honours program. 20.0 credits including the following 7.0 credits:

- 5.0 INDG credits consisting of INDG 1000Y (100), 2100Y, 3105Y, 3810H (381H), INDG – HIST 3830H (383H), and INDG 4200Y (420)
- 2.0 INDG credits in addition to the above, chosen from the four clusters; no more than one course from a single cluster
- At least 2.0 of the total 7.0 credits must be at the 4000-level

The single-major General program. 15.0 credits including the following 6.0 credits:

- 3.0 INDG credits consisting of INDG 1000Y (100), 2100Y, 3810H (381H), and INDG – HIST 3830H (383H)
- 3.0 INDG credits in addition to the above, from at least three of the four clusters (INDG 3105Y is highly recommended)
- At least 2.0 of the total 6.0 credits must be at the 3000- or 4000-level

The joint-major General program or a minor. 15.0 credits including the following 5.0 credits:

- 2.0 INDG credits consisting of INDG 1000Y (100) and 2100Y
- 3.0 INDG credits in addition to the above, from at least three of the four clusters (INDG 3105Y is highly recommended)
- At least 1.0 of the total 5.0 credits must be at the 3000- or 4000-level

Indigenous Knowledge, Culture and Languages	Indigenous Lands, Politics and History	Theories, Methods and Practice	Cultural Expressions and Performance
2100Y	2000Y (200)	1010Y (101)	2010H
2200Y (220)	2040Y (204)	1500H (150H)	2020H (202H)
2250Y (225)	2255Y (255)	1510H (151H)	2110Y (211)
2500Y (250)	2305Y	2150H (215)	2480Y
2800Y (280)	2560Y (256)	2300Y	2530Y (253)
3005Y	2601Y (260)	3040H	3010H
3100Y (310)	2700Y (270)	3050Y (305)	3030H (303H)
3110Y	3020Y (302)	3105Y	3102Y
3500Y (350)	3050Y (305)	3300Y (330)	3480Y
3800Y (380)	3200Y (320)	3350Y (335)	3481H
4100Y (410)	3335H	3810H (381H)	3483H
4800Y (480)	3400Y (340)	3830H (383H)	3560Y
4850Y (485)	3630Y (363)	4151Y	4480Y
	3730Y (373)	4200Y	
	3950H	4300Y (430)	
	3953Y	4500H	
	4000Y (400)	4740Y	
	4050H		
	4250Y (425)		
	4730Y (473)		
	4770H (ANTH 477H)		
	4820Y (482)		

Note: Students wishing to enrol in a reading course (INDG 3900Y, 3901H, 3902H, 4900Y, 4901H, 4902H), community-based practicum (INDG 3860Y) or double credit thesis (INDG 4020D) must obtain departmental approval the term prior to the course. The course must be identified with one of these cluster areas in order to support the degree requirements.

DIPLOMA PROGRAMS

Notes

- Upon successful completion of a Diploma program, students may apply for admission to the B.A. program. Credits earned in the program are transferable to the B.A. degree.
- Only students enrolled in the Diploma program may obtain the Diploma.
- Application to Diploma programs should be made to the Ontario University Application Centre at www.ouac.on.ca/105.
- Inquiries should be directed to the Director of the First Peoples House of Learning.
- Indigenous students seeking admission to the following or other University programs must advise the Director of the First Peoples House of Learning in order to activate admissions-advocacy assistance.
- E-mail iss@trentu.ca to indicate your interest in enrolling in this program.

DIPLOMA IN FOUNDATIONS OF INDIGENOUS LEARNING

The Diploma in Foundations of Indigenous Learning is a two-year program open to Indigenous students who have the equivalent of Grade 12 or who qualify as mature students or whose admission is approved by the Director of the First Peoples House of Learning and the Registrar's Office. Students of Indigenous ancestry are encouraged to enrol. The Diploma is awarded upon successful completion of the program. With it is included a Trent University transcript identifying all courses undertaken and grades received. All courses receive a University credit.

For full description and application procedures see www.trentu.ca/indigenous.

Courses

Students are required to complete 8.0 credits, including 6.0 INDG credits. Some 2000-level Indigenous Studies courses are available to students in Year 1 of the Diploma. See the prerequisites for individual courses.

Year 1

- 2.0 INDG credits consisting of INDG 1000Y (100) and 1010Y
- 1.0 INDG credit in addition to the above
- 1.0 INDG credit in addition to the above, either in INDG or in another discipline at the 1000-level

Year 2

- 3.0 INDG credits in addition to the above, at the 2000- or 3000-level, not including INDG 3900Y, 3910H, 3920H or 3860Y
- 1.0 credit in addition to the above, either in INDG at the 2000- or 3000-level or in another discipline at the 1000-level

DIPLOMA IN INDIGENOUS MANAGEMENT & ECONOMIC DEVELOPMENT

The department of Indigenous Studies offers a Diploma in Indigenous Management & Economic Development. The Indigenous Management & Economic Development program provides an interdisciplinary and integrated approach to the development of management, community and economic development knowledge and skills appropriate for working within an Indigenous environment.

- The Diploma is a two-year program open to Indigenous students who have the equivalent of Ontario Grade 12 or qualify as mature students. Students of Indigenous ancestry are encouraged to enrol.
- The Diploma is awarded upon successful completion of the program. With it is included a Trent University transcript identifying all courses undertaken and grades received.
- Upon successful completion of the diploma, students may apply for admission to the B.A. program. Credits earned in the Diploma program are transferable to the B.A. degree.
- Application to the program should be made to the Ontario University Application Centre at www.ouac.on.ca/105.
- Inquiries should be directed to the Director of the First Peoples House of Learning.
- Indigenous students seeking admission to this or other University programs should advise the Director of the First Peoples House of Learning in order to activate admissions advocacy assistance at indigenoustudies@trentu.ca.

Students are required to complete 9.0 credits including:

- 3.0 INDG credits consisting of INDG 1000Y (100), 1010Y (101), 1500H (150H), and 1510H (151H)
- 1.0 INDG credit in addition to the above
- 4.0 ADMN credits consisting of ADMN 1000H (100H), 1021H and 2021H (or 102), 2010H (or 101H), 2100H (210H), 2220H (222H), 2230H (223H) and 2510H (251H)
- 1.0 additional credit at the 1000-level (recommended courses: MATH 1050Y (150), ANTH 1000Y (100), IDST 1000Y (100), PHIL 1005Y (105), POST 1000Y (100))

SPECIALIZATION IN INDIGENOUS MANAGEMENT & ECONOMIC DEVELOPMENT

The Specialization in Indigenous Management & Economic Development is available to students in the General or Honours program in Indigenous Studies or in the Bachelor of Business Administration program. The transcripts of students graduating with a General or Honours degree in Indigenous Studies or with an Honours degree in Business Administration who have successfully completed the requirements of the Specialization will contain the notation "with a Specialization in Indigenous Management & Economic Development."

Notes

- Some of the courses required for the Specialization may overlap with degree requirements in the Bachelor of Arts Program in Indigenous Studies or in the degree requirements for the Bachelor of Business Administration.

- Students should consult the appropriate section in the calendar for specific degree requirements for the Bachelor of Arts Program in Indigenous Studies and for the Bachelor of Business Administration program.

Students are required to complete 10.0 credits including:

- 6.0 ADMN credits consisting of ADMN 1000H (100H), 1021H and 2021H (or 102), 2010H (or 101H), 2100H (210H), 2220H (222H), 2230H (223H), 2510H (251H), 3400H and 0.5 credit at 3000-level (or 3500Y (350)), and 1.0 ADMN credit in addition to the above
- 3.0 INDG credits consisting of INDG 1000Y (100), 1500H (150H), 1510H (151H) and 2000Y (200)
- 1.0 INDG credit from INDG 2800Y (280), 2250Y (225) or 3100Y (310)

THAILAND YEAR ABROAD PROGRAM

The Indigenous Studies Thailand Year Abroad program is offered in Chiang Mai, Thailand. The program is designed to afford students the opportunity to study the culture and development of Indigenous Peoples of South East Asia and to apply their learning in a practical situation. It is an integrated five-credit program for students in the third or fourth year of the Indigenous Studies program as well as students from other disciplines or from other universities attending Trent on a Letter of Permission. To be eligible, students must achieve at least a 70% average in their academic program the year before going to Thailand. The program consists of:

- INDG 2500Y (250) and 3110Y (311)
- INDG – IDST 3050Y (305) or INDG 4820Y (482)
- INDG 3860Y (386) and 3900Y (390) or INDG 4020D (402D) (practicum field placement)

NORTH AMERICAN MOBILITY PROGRAM

The Indigenous Studies North American Mobility Program is a tri-national consortium of universities from U.S.A., Mexico and Canada which have agreed to collaborate to provide students the opportunity to investigate and study with Indigenous Peoples from the three countries. Students from all disciplines are welcome to apply and subsidies are available. Please see www.trentu.ca/academic/nativestudies/namp.htm.

Please consult the academic timetable, available through myTrent, for information on courses that will be offered in 2011–2012 including when they will be scheduled.

INDG 1000Y – Introduction to Indigenous Studies

The course examines the contemporary situation of Indigenous Peoples in Canada in the context of their cultural traditions and the historical interactions between Indigenous and non-Indigenous societies. Excludes INDG 100.

INDG 1010Y – Foundations of Indigenous learning

This course explores ways of learning in the university environment. Emphasis is placed on Indigenous ways of experiential learning and includes self-reflection, academic skills, talents and lessons to be learned, self worth and world views. These are set in the context of a supportive in-class learning community. Registration is open to students in the Indigenous Studies Diploma programs. All others are invited to request permission of department. Excludes INDG 101.

INDG – ADMN 1500H – Foundations of Indigenous community development

This course explores the foundational elements of community development in an Indigenous context. Emphasis is placed on experiencing the application of community development theories. Concepts of personal development, relationships between individual and community, meaningful conversations within community and effective ways of working in community are discussed both theoretically and experientially. Excludes INDG 150H.

INDG – ADMN 1510H – Foundations of Indigenous community economic development

This course examines lessons learned by First Nations that have taken control over their own economic development. A discussion of the history of Indigenous economic development before contact with Europeans is followed by a consideration of foundational community economic development concepts in relation to current best practices of First Nations. Excludes INDG 151H.

INDG – POST 2000Y – Politics and Indigenous communities

The course will focus both on the traditional political culture of Indigenous Peoples and on the political structures of colonialism (Indian Acts, Treaties, etc.) viewed from legal and historical perspectives. Contemporary analysis will treat Indigenous self-government including models of development, cultural and ideological foundations, government policy and implementation strategies. Prerequisite: INDG 1000Y (100) or POST 1000Y (100) or permission of instructor. Excludes INDG – POST 200.

INDG 2010H – Indigenous contemporary dance

Indigenous contemporary dance is rich in heritage and multi-faceted in form, including social and ancient dances based in ceremony, contemporary derivations, traditional choreography staged for theatrical performance. This course offers a study of the dance practice, history and cultural context of the intertribal dance of the contemporary powwow. Excludes INDG 201H, 3952H – Special Topic: Indigenous contemporary dance.

INDG 2020H – Indigenous contemporary music

This course provides an opportunity for students to obtain foundational performance knowledge of Indigenous drumming and song practice, along with the development of Indigenous contemporary music and its evolution from traditional music. Students will explore song structure, instrumentation and performance formats in an Indigenous environment of traditional and contemporary practitioners. Excludes INDG 202H and 3957H – Special Topic: Indigenous contemporary music.

INDG – CAST – ERST – GEOG 2040Y – Canada: The land (see Canadian Studies)**INDG 2100Y – Introduction to Indigenous knowledge**

This course examines the rich and complex nature of Indigenous knowledge (IK). It will address the various components of IK through both written text and oral tradition. The course will proceed from the foundational assumption that IK is held and transmitted primarily by Elders, traditional people and other knowledge holders.

INDG 2110Y – Introduction to Indigenous theatre

Performance cultures are expressed in the theory and practice of Indigenous artists. Traditional and contemporary oratory, storytelling, language, movement and music, individual and group expression – physical, emotional, vocal and intellectual experiences are enhanced through sensory exercises, improvisation and text. Professionals translate cultural concepts to methodologies – Indigenous and European. Excludes INDG 211. Recommended prerequisite: INDG 1000Y.

INDG – ERSC 2150H – Environmental assessment techniques for Indigenous communities (see Environmental & Resource Science/Studies)**INDG 2200Y – Haudenosaunee culture and traditions**

A study of the cultural, political, social kinship and knowledge foundations of traditional Six Nations society including Creation, Clans, the establishment of the Six Nations Confederacy, the Longhouse cycle of Ceremonies, and various contemporary issues. Prerequisite or co-requisite: INDG 1000Y (100) or permission of instructor. Excludes INDG 220.

INDG 2250Y – Oral Mohawk

An introduction to Mohawk designed for students with little or no knowledge of the language. This is a conversational course, emphasizing the use and understanding of Mohawk through the learning of the basic vocabulary and sentence patterns in class and in language laboratory. Students judged by the instructor to be fluent in Mohawk may not receive credit for this course. Excludes INDG 1050Y (105), 225.

INDG – CAST – HIST 2255Y – History of the Indians of Canada (see Canadian Studies)**INDG – CAST – CUST 2300Y – Introduction to key concepts and issues in post-colonial theory**

The course focuses on theories of hybrid identity, resistance and agency within a contemporary Indigenous context specifically as they apply to debates on essentialism, identity politics, and cultural appropriation. Prerequisite or co-requisite: INDG 1000Y (100) or CUST 1000Y (100) or CAST 1000Y (100) or permission of instructor.

INDG – CAST – HIST 2305Y – Colonial encounters

This course explores the multifaceted encounters that resulted from European colonialism. The focus of the course will be on the lives and experiences of Indigenous Peoples in Africa, Asia, the Americas and the Pacific basin to develop a comprehensive understanding of colonialism and resistance on a global scale. Prerequisite or co-requisite: INDG 1000Y (100) or CAST 1000Y (100) or HIST 1000Y (100). Excludes INDG 4956 – Special Topic: Colonial encounters.

INDG – ENGL 2480Y – Indigenous literature and creative writing

This course will examine examples of both traditional and contemporary Indigenous narratives, the critical discourse around Indigenous narratives and creative writing by students with a concentration on poetry and prose. Students will be asked to read their creative work in class. Prerequisite or co-requisite: INDG 1000Y (100) or ENGL 1000Y (100).

INDG 2500Y – Introduction to Thai language

This is a conversational course designed for the students to have some ability to participate in Thai culture. This is an intense course designed to give some language skills and experience culture through language. Students judged by the instructor to be fluent in Thai may not receive credit for this course. Excludes INDG 250. (Offered only in Thailand.)

INDG – ANTH – CAST 2530Y – Aboriginal art of North America (see Anthropology)**INDG – CAST – HIST 2560Y – First Nations and Métis of Western Canada**

A survey of the history of western First Nations and Métis from 1670 to 1960, including Indigenous narrative knowing; oral history; Indigenous women in the fur trade; Indigenous warfare; the Treaties; the story, mistahi-maskwa (Big Bear); 1885 (ê-mâyikamikahk “where it went wrong”; 20th-century Métis history; Indigenous political history. Prerequisite or co-requisite INDG 1000Y (100) or CAST 1000Y (100) or HIST 1000Y (100) or permission of instructor. Excludes INDG – CAST – HIST 256.

INDG – ERST 2601Y – Introduction to Indigenous environmental studies

This course explores Indigenous worldviews, environmental philosophies, and cultural values through exposure to the perspectives of Indigenous Elders, community people, political leaders, academics, activists and scholars. Students will be introduced to Indigenous knowledge as it pertains to the natural environment. Excludes INDG – ERST 260.

INDG – CAST – HIST 2700Y – History and politics of the Métis

An examination of the historical development of the Métis nation and survey of selected issues facing the Métis today. Prerequisite or co-requisite: INDG 1000Y (100) or CAST 1000Y (100) or HIST 1000Y (100) or permission of instructor. Excludes INDG – CAST – HIST 270.

INDG 2800Y – Introduction to Nishnaabemowin

This is a beginner's course, for students with little or no knowledge of the language, emphasizing the use and understanding of Nishnaabemowin through the learning of the basic vocabulary and sentence patterns in class and in the language laboratory. This course is open to first year students. Excludes INDG 280.

INDG 3010H – Indigenous masked dance and storytelling

This course investigates the art of Indigenous storytelling and the skills of mask-making. Processes will search the ‘roots of theatre’ to discover expression of communication both verbal and non-verbal. Indigenous North American masking will be explored in depth; masks will be made and mask/story scenes developed and performed. Prerequisite INDG 2010H (201H) or permission of instructor. Excludes INDG 3954H – Special Topic: Indigenous masked dance and storytelling.

INDG – POST 3020Y – Indigenous governance

This course examines and analyses the development of Indigenous forms of governance in Canada with a particular emphasis upon cultural, philosophical and political foundations. Prerequisite: INDG 1000Y (100). Excludes INDG 300 and INDG – POST 302.

INDG 3030H – Indigenous dance theatre

An advanced course offering the opportunity to create new or reconstructed dance theatre works drawing creatively from the movement vocabulary of Indigenous dance practice. Dramatic themes will be drawn from traditional, historic and personal story lines. Workshop for dancers, actors, choreographers and playwrights culminating in production and public performance. Prerequisite: INDG 2010H (201H) or 3010H or permission of instructor. Excludes INDG 3953H and 303H.

INDG – ADMN 3040H – The meaning of work in the contemporary world

This course opens with a discussion of how “work” is seen and includes both Indigenous and non-Indigenous perspectives. Thereafter, a conversational model of personal and professional growth is used to assist students in examining themselves in relation to how they wish to participate in today's world of work. Prerequisite: 5.0 university credits. Excludes INDG – ADMN 3959H.

INDG – IDST 3050Y – Indigenous and international community development

A study of various approaches to community development in Indigenous and Third World communities. The course will examine current initiatives in human resource, political and economic development, and critical issues relating to local control, values, gender, government policies and roles in social change processes. Also offered in Thailand. Prerequisite: INDG 1000Y (100) or IDST 1000Y (100) or permission of instructor. Excludes INDG – IDST 305.

INDG 3100Y – Indigenous culture and community

A study of cultural continuity, change and revitalization in Indigenous communities in Canada. The dynamic nature of cultural adaptation and the significance of tribal language, spirituality and social responsibilities will be emphasized. Prerequisite: INDG 1000Y (100) and one other INDG credit or permission of instructor. Excludes INDG 310.

INDG 3102Y – Images in contemporary media

By examining the portrayal of First Nations Peoples and their cultures in mass media, this course will provide students with a better understanding of the power of television and film and the impacts of these images on the relationship, place and space occupied by Indigenous Peoples in contemporary society. Excludes INDG 3951.

INDG 3105Y – Indigenous orality

The course will explore Indigenous oral texts through two central strands: philosophical issues of orality and practical issues of gathering and recording of Indigenous orality. We will examine central issues of performance, metaphor, iconography of Indigenous narrative memory, and the social relationships which maintain and act as a vessel for orality.

INDG 3110Y – Hill Tribes and Thai culture

A study of cultural continuity, change and revitalization in Hill Tribes and Thai communities in Thailand. The dynamic nature of cultural adaptation and the significance of tribal language, spirituality and social responsibilities will be emphasized. Excludes INDG 311. (Offered only in Thailand.)

INDG 3200Y – Urbanization and the Indigenous Peoples

An analysis of migration, adjustment and integration of Indigenous People into urban areas, examining various issues including: identity, urban Indigenous self-government, crime, justice and corrections, urban youth gangs, the development of urban Indigenous organizations, as well as cultural interaction between Indigenous and white society in rural Indigenous communities. Prerequisite: INDG 1000Y (100) or permission of instructor. Excludes INDG 320.

INDG 3300Y – Education and Indigenous Peoples

The course will examine issues pertaining to the development of an appropriate educational system for Indigenous Peoples including Indigenous control of Indigenous education, learning theories, Indigenous culture, values and identity, teaching and learning styles, pedagogy and curriculum planning. Prerequisite: INDG 1000Y (100) or permission of instructor. Excludes INDG 330.

INDG – CAST – HIST 3335H – First Nations and the welfare state 1940 – 1980 (see Canadian Studies)**INDG 3350Y – Indigenous and ecologically relevant curriculum design**

Through land-based and experiential educational practices, students will develop their knowledge, motivation and skills toward facilitating the transmission of an environmental consciousness in the field of education. Additionally, students will design inclusive learning spaces that meet the cultural needs of Indigenous students and the cross-cultural awareness needs of non-Indigenous students. Excludes INDG 335, 435.

INDG 3400Y – Law and Indigenous Peoples

A practical introduction to the emerging and quickly expanding field of Indigenous rights. Provides students with an opportunity to apply their learning to realistic situations. Emphasis on preparing students to deal with rights-based issues they may encounter after graduation. Prerequisite: INDG 1000Y (100) or permission of instructor. Excludes INDG 340.

INDG – CAST – WMST 3480Y – Indigenous women's writing in Canada (see Canadian Studies)**INDG – CAST – ENGL 3481H – Studies in Indigenous fiction (see English Literature)****INDG – CAST – ENGL 3483H – Studies in Indigenous poetry (see English Literature)****INDG – WMST 3500Y – Indigenous women**

This course examines the experience of Indigenous women in Canada today with respect to cultural expression in the arts, education, work, family, health, politics and the law. Contemporary issues facing Indigenous women will be examined. Women's Symposium included. Prerequisite: INDG 1000Y (100) or WMST 1000Y (100) or permission of instructor. Excludes INDG – WMST 350.

INDG 3560Y – The living history of Indigenous dance and theatre

This course is an exploration of Indigenous dance, theatre, song, orality, and performance art from its origins as an integral aspect of community life through to its living expression in the present. This course reflects on the effects of colonial policies on Indigenous performance and its resurgence as a strategy for cultural revitalization.

INDG – ERST 3630Y – Issues in Indigenous environmental studies

This course explores a wide variety of contemporary environmental issues and solutions that pertain to Indigenous cultures and communities. Studies will include the local, national and international perspectives. Topics may vary from year to year based upon student interests and current, relevant issues confronting Indigenous Peoples. Prerequisite: INDG – ERST 2601 (260) or permission of instructor. Excludes INDG – ERST 363.

INDG – ERSC/ERST 3730Y – Indigenous Peoples, health and the environment (see Environmental & Resource Science/Studies)

INDG 3800Y – Intermediate oral Nishnaabemowin

An intermediate course in conversation and pronunciation as well as an introductory exploration of the written orthography, using language laboratory and classroom participation. Prerequisite: INDG 2800Y (280) or permission of instructor. Excludes INDG 380.

INDG 3810H – Theory of community-based research

A practical introduction to research methods in the social sciences, including a critique of those methods in the context of Indigenous Studies. The ideological base of participatory and action research is examined along with case studies exemplifying alternative methodologies. Prerequisite: INDG 1000Y (100) or permission of instructor. Excludes INDG 381H.

INDG – HIST 3830H – Community-based oral history methods

Emphasis is upon the cultural and strategic approaches which enhance oral history methods in Indigenous communities. Topics include research design, community rapport, administration, community-based data collection and analysis. A small-scale field project will be developed. Prerequisite: INDG 1000Y (100) or permission of instructor. Excludes INDG – HIST 383H.

INDG 3860Y – Practicum field placements

An opportunity for students to apply learning in a field setting, reflecting student interests and the availability of agencies willing to take students. Learning about development and culture will be dialectical, through experience (action) and reflection on experience. It will be formal and informal, and at many levels (personal, interpersonal and community). Prerequisite: 5.0 university credits including INDG 1000Y (100) and a 70% average. Written approval of department chair is required. Excludes INDG 386.

INDG 3900Y, 3901H, 3902H – Reading course

Intended for third-year majors and for second-year students, by application to the program, who wish to carry out independent research. Details must be arranged with the chair of the program before the end of the preceding academic year. Prerequisite: 5.0 university credits including INDG 1000Y (100) and a 70% average. Written approval of department chair is required.

INDG 3950H – Special Topic: America Profundo: Building inter-culture bridges among Indigenous Peoples in Canada, the U.S.A. and Mexico

This course will examine issues related to Indigenous Peoples in Canada, the US and Mexico in a comparative perspective, with an emphasis on Mexico. Topics to be examined include Indigenous knowledge, the meaning of culture, resistance, agricultural practices, the nature of community, Indigenous ceremonies, urbanization and inter-cultural encounters.

INDG 3953Y – Special Topic: Indigenous Peoples of Mexico

In this 20-day summer field course, students will travel to three sites in Mexico (Mexico City, Valle Del Mesquital and Oaxaca) to study the contemporary situation of the Indigenous people of Mexico as part of the North American Mobility Program. Students will travel to Indigenous communities and learn about Indigenous knowledge, culture, politics (including the Zapatistas movement), the arts and environmental issues. Students will pay a program fee but also receive financial support for participation in the course. Prerequisite: INDG 1000Y (100) or permission of instructor.

INDG – CAST – HIST 4000Y – Research seminar in Indigenous history (see Canadian Studies)**INDG 4020D – Thesis**

An in-depth study course in library or field-oriented research, supervised by a Research Project Committee for which a double fee is charged. Details must be arranged with the chair of the program before the end of the preceding academic year. Also offered in Thailand. Prerequisite: INDG 1000Y (100), 2000Y (200), 3810H (381H), 3803H (383H), a 70% cumulative average, 10.0 university credits and written approval of the department chair. Excludes 402D.

INDG 4050H – Alliances: Indigenous/Non-Indigenous relationships for justice

This course allows students to investigate the value of supporting the initiatives in the Indigenous community nationally in Canada and world wide and to find their place in that initiative. Prerequisite: 1.0 INDG credit or permission of instructor.

INDG 4100Y – Seminar on Indigenous knowledge

This seminar explores contemporary Indigenous expressions and interpretations of traditional thought and beliefs; modes of organizing, validating and communicating knowledge form central themes. Prerequisite: INDG 1000Y (100) or permission of the instructor. Excludes INDG 410.

INDG – ANTH – CAST 4151Y – Archaeology of Ontario (Sc) (see Anthropology)**INDG 4200Y – Indigenous Studies honours collegium**

This seminar concentrates on the contemporary issues that serve to define the present day reality of Indigenous Peoples in Canada. The course will explore issues of relevance to students and utilize a multi-disciplinary model of inquiry and analysis. Prerequisite: 5.0 university credits including INDG 1000Y (100) or permission of instructor. Excludes INDG 420.

INDG – CAST – HIST 4250Y – The evolution of the settlement commonwealth

A comparative study of Canada, Australia and New Zealand, with special emphasis on the relationship between the “settlers” and the Indigenous Peoples. Prerequisite: 5.0 university credits including INDG 1000Y (100) or CAST 1000 (100) or HIST 1000Y (100) or permission of instructor. Excludes INDG – CAST – HIST 425.

INDG 4300Y – Critical theory and Indigenous studies

A seminar on the relevance of contemporary western social and political thought to Indigenous issues. The course will apply a broad range of theoretical approaches to develop understandings and insights of Indigenous and western societies and the specific character of the interactions between them. Prerequisite: 5.0 university credits including INDG 1000Y (100) or CUST 1000Y (100) or permission of instructor. Excludes INDG 430.

INDG – HIST 4461Y – Revolution, subversion and power in Indigenous Latin America (see History)**INDG 4480Y – Advanced Indigenous literature and creative writing**

This course examines examples of traditional and contemporary Indigenous written narratives and the critical discourse around them through the use of creative and critical writing. Prerequisite INDG 1000Y or ENGL 1000Y or INDG – ENGL 2480.

INDG – ADMN 4500H – Indigenous perspectives on 21st-century business and organizational issues

An analysis of key issues facing business in the 21st century. A variety of Indigenous perspectives on issues are presented, discussed, and compared and contrasted with current mainstream business perspectives. The objective of the course is to expand the ability of students to consider important business issues and opportunities including an Indigenous perspective. Prerequisites: INDG 1000Y and ADMN 1000H.

INDG – ERST 4730Y – Sustainable Indigenous communities

This is a research colloquium course that gives students an opportunity to examine concepts of sustainability, to select their own research area and develop a model for a “sustainable” community. Lectures and seminars provide insight into Indigenous understandings and environmental impacts and a multidisciplinary approach to resolving issues is encouraged. INDG – ERSC/ERST 3730Y is highly recommended. Prerequisite: 5.0 university credits including INDG 1000Y (100) or ERST 1000Y or permission of instructor. Excludes INDG – ERSC/ERSC 497H and INDG – ERST 473.

INDG – ERSC/ERST – NURS 4740Y – Critical investigations in Indigenous Peoples health and the environment: Indigenous Environmental Studies collegium

This seminar and self-directed reading course will provide students with a critical examination of key environmental and health issues in Indigenous communities in Canada and around the world. Biweekly seminars provide students with direction and a forum for critical examination and discussions on the topic. Prerequisite: one of ERSC/ERST – INDG 3730Y or ERST – INDG 3630Y, or permission of the instructor. Excludes INDG 4200Y B in 2009-2010.

INDG – ANTH 4770H – Anthropology of colonialism (see Anthropology)**INDG 4800Y – Advanced Nishnaabemowin language**

This fourth-year course will be a continuation of the study of the Nishnaabemowin (Ojibway) language. This course will study four different styles of Nishnaabe verbs. Prerequisite: INDG 3800Y (380) or permission of instructor. Excludes INDG 480.

INDG 4820Y – Indigenous responses to cultural interaction

Focus will be on social processes involved when cultures meet, examining acculturation and conflict models, culture and personality, interaction perspectives and ethnic identity studies. Excludes INDG 482. (Offered only in Thailand.)

INDG 4850Y – Learning and living on the land focus on Nishnaabe and Cree Teachings

This intensive 10-day summer course examines Indigenous knowledge (IK) from a holistic “on-the-earth” perspective. The connections between IK, the Land and students’ lives will be explored. The course addresses the physical, mental, emotional and spiritual aspects of IK, possessed and transmitted by Elders, traditional people and other knowledge holders. Course fee: \$600. Prerequisite: 5.0 university credits including INDG 1000Y (100) or 2800Y (280) or 3100Y (310) or 4100Y (410) or permission of instructor. Excludes INDG 485 and 4955.

INDG 4900Y, 4901H, 4902H – Reading course

Students may select an area of study under the direction of an adviser. Details are to be arranged through the chair of the program before the end of the preceding academic year. Prerequisite: 10 university credits including INDG 1000Y (100) and written approval of the chair of the program.

Individualized Studies Program

Normally students choose a program of study determined by the academic regulations leading to a Major or Joint-Major in Arts or Science. In exceptional circumstances, students of superior academic ability and intellectual independence may design an individualized program of study, selecting courses from various disciplines to explore a theme of their own choosing. Before designing such a program, students are encouraged to speak with a Senior Tutor about their personal academic goals.

The following guidelines apply:

- This program is intended for students who have given evidence of superior academic ability and intellectual independence, and is normally available only as an Honours degree.
- The Individualized Studies program consists of 20.0 credits of which at least 2.0 must be at the 4000-level. A minimum cumulative average of 75% should normally be maintained.
- Students must apply for the program through a Senior Tutor. The application must include a rationale for the choice of courses, including reasons why the proposed program of study cannot be accommodated within an existing major or joint-major program, and must identify the remaining courses required.
- Students must discuss the intended program with a Senior Tutor before the end of the first year of studies. Students who have completed 5.0 credits may be considered retroactively for an Individualized Studies program.
- The Senior Tutor will: ensure that the program meets the University's degree requirements, ensure that the student has obtained approval from the academic departments or programs concerned, and confirm that the required courses for program completion will be available on the proposed schedule.
- The Senior Tutor and the student must present the program to the Committee on Undergraduate Petitions (CUP) for approval. Once approved, any changes must be discussed with the Senior Tutor and reported to CUP.

An individualized study program in Global Studies is available as an Honours degree through the Office of the Trent International Program. The program combines study abroad with internationally-oriented studies in three or more disciplines. Students are normally required to study a language other than English, at least to the intermediate level, and to spend one year of undergraduate study in another country. Students must apply for entry into this program through the Office of the Trent International Program (not a Senior Tutor) by April 1 in the first year of studies. A list of proposed courses and a rationale for these choices should be submitted with the application. For application information and further details please contact the Office of the Trent International Program.

International Development Studies

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Professors

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Associate Professor

C. Beyers, B.A. (Trent), M.A. (York), D.Phil. (Sussex)

Assistant Professor

P. Shaffer, M.A. (Toronto), D.Phil. (Sussex) (*on leave Winter term*)

Associated Faculty

Anthropology: A. Meneley. Business Administration: R. Dart. Economics: S. Choudhry. Cultural Studies: A. O'Connor. Environmental & Resource Science/Studies: S. Bocking, R. Ponce-Hernandez, T. Whillans. Hispanic Studies: T. Noriega. History: D. Sheinin, T. Stapleton. Indigenous Studies: D. N. McCaskill. Political Studies: G. Fridell. Gender & Women's Studies: C. O'Manique

Adjunct Faculty

J. Clapp, B.A. (Michigan), M.Sc., Ph.D. (London); **E. Helleiner**, B.A. (Toronto), Ph.D. (London);

Pablo Andrade, B.A. (Pontificia Universidad Católica del Ecuador), M.A. (Facultad Latinoamericana de Ciencias Sociales), Ph.D. (York)

Professors Emeriti

C. V. Huxley, B.A. (York, England), M.A. (Simon Fraser), Ph.D. (Toronto); **D. R. Morrison**, M.A. (Saskatchewan), D.Phil. (Sussex)

International Development Studies involves the comparative examination of societies and cultures undergoing rapid change, and of the complex global relations between industrialized countries and the developing areas of Africa, Asia, the Caribbean and Latin America. It is offered with the co-operation of the following departments and programs: Anthropology, Cultural Studies, Economics, Environmental & Resource Science/Studies, Geography, History, Hispanic Studies, Indigenous Studies, Political Studies, Sociology and Gender & Women's Studies.

Notes

- Students who have fulfilled the requirements for a single-major Honours degree in another subject may apply to the Office of the Registrar for a minor in International Development Studies if they have met the requirements for the joint-major General degree (see below).

BACHELOR OF ARTS PROGRAM IN INTERNATIONAL DEVELOPMENT STUDIES

- See [p. 28](#) for requirements which apply to all undergraduate degree programs.
- The same course may not simultaneously satisfy the requirements of both programs in a joint-major degree.
- There is no single-major General program in International Development Studies.
- Students in the joint-major program in Anthropology and International Development Studies may substitute IDST – ANTH 2210Y (221) for one of ANTH 2120 (212), 2310 (231) or 2400 (240) in their Anthropology requirements.
- Students may count no more than 1.0 credit of IDST reading courses (4900Y, 4901H, 4902H) toward their International Development Studies degree requirements.
- Students are strongly encouraged to include ECON 1010H (101H) and 1020H (102H) and SOCI 4800Y (480) in their choice of elective courses.

	Category A	Category B	Category C	Category D
2210Y (221)	4000Y (400)	2100H (210H)	4010Y (401)	3700Y (370)
3010Y (301)	4110H (411H)	2250Y (225)	4020D (402D)	3710H (371H)
3100Y (310)	4120H	2470Y/2471H (247)	4900Y	3720H (372H)
3110H (311H)	4130H	2401H	4901H	
3120H (312H)	4220Y (422)	2402H	4902H	
3130Y (313)	4230H (423H)	3040Y (304)		
3140H (314H)	4240Y (424)	3050Y (305)		
3220H (322H)	4250H (425H)	3290H (329H)		
3770Y (377)	4700H (470H)	3310H (331H)		
3780Y (378)	4750H (475H)	3032Y (332)		
3790Y (379)	4760H (476H)	3330H (333H)		
3800D (380)		3401H		
3870Y (387)		3402H		
3880Y (388)		3601Y (360)		
3890Y (389)		4070Y (407)		
		4270Y (427)		
		4610H (461H)		

The single-major Honours program. 20.0 credits including the following 10.0 credits:

- 2.0 IDST credits consisting of IDST 1000Y (100) and 2000Y (200)
- 1.0 IDST credit consisting of IDST 3100Y (310)
- 1.0 IDST credit at the 4000-level from Category A
- 1.0 IDST credit at the 4000-level in addition to the above, from Category A, B or C
- 5.0 IDST credits in addition to the above, with no more than 1.0 credit from Category B and no more than 1.0 credit from Category D

The joint-major Honours program. 20.0 credits including the following 7.0 credits:

- 2.0 IDST credits consisting of IDST 1000Y (100) and 2000Y (200)
- 1.0 IDST credit at the 4000-level from Category A
- 4.0 IDST credits in addition to the above, with no more than 1.0 credit from Category B and no more than 1.0 credit from Category D

The joint-major General program. 15.0 credits including the following 5.0 credits:

- 2.0 IDST credits consisting IDST 1000Y (100) and 2000Y (200)
- 1.0 IDST credit beyond the 2000-level from category A
- 2.0 IDST credits in addition to the above, with no more than 1.0 credit from Category B and no more than 1.0 credit from Category D

The minor in IDST consists of the following 5.0 credits:

- 2.0 IDST credits consisting IDST 1000Y (100) and 2000Y (200)
- 1.0 IDST credit beyond the 2000-level from category A
- 2.0 IDST credits in addition to the above, with no more than 1.0 credit from Category B and no more than 1.0 credit from Category D

YEAR ABROAD PROGRAMS

These are designed primarily for Honours students in the single-major or joint-major programs in International Development Studies or Anthropology who have completed 9.0 university credits with an overall average of at least 70%. They are offered only in Ecuador and Ghana.

The Ecuador program consists of the following courses:

- HSST 2500Y (250) or IDST 3870Y, 3800D, 3880Y and IDST – ANTH 3890Y

The Ghana program consists of the following courses:

- IDST 3780Y, 3790Y and 3800D, IDST – ANTH 3770Y

Please consult the academic timetable, available through myTrent, for information on courses that will be offered in 2011–2012 including when they will be scheduled.

IDST 1000Y – Human inequality in global perspective

An introduction to the basic ideas of development analysis, including issues of: global poverty and inequality; food, agriculture and gender; industrialization and the environment; civil society; and social provisioning. These issues are examined from a comparative and a historical perspective, with illustrations from widely differing societies. Excludes IDST 100.

IDST 2000Y – Development analysis

An examination of the strengths and limitations of the major perspectives that have informed the study of international development. Selected case studies and monographs are used to illustrate theory-building, analytical models, and sound empirical research. Prerequisite: IDST 1000Y (100) or permission of department. Excludes IDST 200.

IDST – WMST 2100H – Women, colonialism and imperialism (see Gender & Women's Studies)

IDST – ANTH 2210Y – Agrarian change, peasants and food production in a global context

A comparative analysis of the impact of transformations in the world food system on contemporary agrarian societies that examines how processes of commodification and the globalization of food production have affected the social organization of rural communities. Prerequisite: IDST 1000Y (100) or ANTH 1000 (100) or permission of instructor. Excludes IDST – ANTH 221.

IDST – WMST 2250Y – Women, gender and development (see Gender & Women's Studies)

IDST – HIST 2401H – The emergence of modern Africa before 1880 (see History)

IDST – HIST 2402H – The emergence of modern Africa since 1880 (see History)

IDST – HIST 2470Y/2471H – Introduction to Latin America, 1500 – 1990 (see History)

IDST – ANTH 3010Y – African culture and society (see Anthropology)

IDST – CUST 3032Y – Media and development (see Cultural Studies)

IDST – ANTH 3040Y – Latin American culture and society (see Anthropology)

IDST – INDG 3050Y – Indigenous and international community development (see Indigenous Studies)

IDST 3100Y – International development studies in an economic context

An examination of the economic dimensions of international development issues. Prerequisite: 4.0 university credits including IDST 1000Y (100) or permission of instructor. Excludes IDST 310.

IDST 3110H – Industrialization

A historical, theoretical, and comparative examination of the process of industrialization. Using case studies, the course explores the significance of the state and the market in development interventions; how these are shaped by domestic and transnational political, economic, cultural, and social factors; as well as debates about democracy and development. Prerequisite: IDST 2000Y (200) or permission of instructor. Excludes IDST 311H.

IDST – SOCI 3120H – Law, rights, and development

An analysis of the concept of rights and their role in social and political transformation. Includes social justice and citizenship struggles; critical perspectives on law and power; the foundations and implementation of human rights; and development, the state, and multilateral agencies. Prerequisite: IDST 2000Y (200) or SOCI 2100Y (210) or permission of instructor. Excludes IDST – SOCI 312H.

IDST 3130Y – The cinema of development and underdevelopment

An exploration of development and underdevelopment through documentaries, feature films and ethnographic cinema, which focuses on the lived experiences of people who struggle with and against: colonialism and imperialisms; global inequalities; marginalization; urbanization and alienation; and gender inequality. The work of filmmakers from developing and developed countries is used. Prerequisite: 4.0 university credits including IDST 1000Y (100) or permission of instructor. Excludes IDST 313.

IDST 3140H – Global institutions and development

The historical, contemporary and possible future roles of global multilateral institutions in international development are explored with reference to issues such as peace and security, labour and migration, international finance and trade, food and health, gender, and the environment. Prerequisite: 4.0 university credits including IDST 1000Y (100) or permission of instructor. Excludes IDST 314H, 398H.

IDST – POST 3220H – Global political economy

An examination of the historical development of the global political economy and of key debates in the field. The course focuses on the ideas that underpin different political-economic systems, the relationship between domestic and international political economy, finance and trade, and the

political economy of warfare. Prerequisite: IDST 2000Y (200) or POST 2200Y (220) or 2230Y (223) or 2400Y (240) or permission of instructor. Excludes IDST – POST 322H.

IDST – POST 3290H – Causes of war (see Political Studies)

IDST – ADMN – ECON 3310H – The economics of developing countries (see Economics)

IDST – ADMN – ECON 3330H – The economics of global interdependence (see Economics)

IDST – HIST 3401H – Southern Africa in the 19th century (see History)

IDST – HIST 3402H – Southern Africa in the 20th century (see History)

IDST – ERST – POST 3601Y – Environment and development (see Environmental & Resource Science/Studies)

IDST 3700Y, 3701H, 3702H – Community-based research project

Students are placed in research projects with community organizations in the Peterborough area. Each placement is supervised jointly by a faculty member and a representative of a community organization. For details, see Community-Based Education Program ([p. 245](#)). Prerequisite: 10.0 university credits with a cumulative average of 75%.

IDST – HIST 3750Y – The history of Eastern Asia, 15th century to the present (see History)

IDST – ANTH 3770Y – Society, culture and development in Africa

The historical dimensions of socio-cultural diversity in sub-Saharan Africa are examined, along with: the changing economic relationship of the area with the global economy; the politics of sub-regional conflict and continental and regional integration; trends towards democratization; and the strengthening of civil society. Excludes IDST – ANTH 377. (Offered only in Ghana.)

IDST 3780Y – Ghana seminar

Contemporary Ghana is examined in the light of its historical background and its patterns of stratification, religion, ethnicity and gender. Processes of structural change, including economic policy, social and political movements are explored. Excludes IDST 378. (Offered only in Ghana.)

IDST 3790Y – Local dynamics of change

The social, political and economic conditions that encourage or block micro-level improvements are examined, as are the role of women's organizations and other local institutions and their relations with local District Assemblies and other government authorities. Excludes IDST 379. (Offered only in Ghana.)

IDST 3800D – Community development

The theory and practice of community development, with an extensive field placement. Excludes IDST 380D. (Offered only in Ecuador and Ghana.)

IDST 3870Y – Introduction to Quichua language and culture

An introduction to the Quichua language and culture for beginners. Prerequisite: HSST 250 or equivalent. Excludes IDST 387. (Offered only in Ecuador.)

IDST 3880Y – Ecuador seminar

An examination of the major features of Ecuadorian economic, political and social life, with particular attention to regional and cultural diversity. Excludes IDST 388. (Offered only in Ecuador.)

IDST – ANTH 3890Y – Andean economy, culture and society

An examination of the structure of agrarian production systems and market relations in selected Andean societies. The impact of mining and manufacturing industry, and the role of the state in shaping economic and social development, are explored, as are the emergence of political and ideological movements. Excludes IDST – ANTH 389. (Offered only in Ecuador.)

IDST 4000Y – Advanced topics in development theory and research

Critical perspectives on selected issues in the field of development. Prerequisite: 14.0 university credits including IDST 2000Y (200) or permission of instructor. Excludes IDST 400.

IDST 4010Y, 4020D – Honours thesis

IDST 4010Y is a single credit, IDST 4020D is a double credit. A specific scholarly project on a well-defined topic. Prerequisite: 14.0 university credits, a minimum 80% average in IDST courses, permission of department chair and permission of instructor. Excludes IDST 401, 402D.

IDST – ANTH 4090Y – Politics, economy and culture (see Anthropology)

IDST 4110H – Capitalism

An advanced introduction to debates over the origins, nature, and spread of capitalism. The class highlights capitalism's relationship to development, the environment, gender, identity and politics. Prerequisite: 14.0 university credits including IDST 2000Y (200) or permission of instructor. Excludes IDST 411.

IDST 4120H – Global migration

An examination of the theoretical and conceptual debates that centre on the causes and consequences of international migration. Transnationalism, gender, citizenship, identity, social and spatial inequalities, labour markets, migrant livelihoods, politics and social exclusion are all explored.

Prerequisite: 14.0 university credits including IDST 2000Y (200) or permission of instructor. Excludes IDST 412.

IDST – GEOG 4130H – Global metropolis

An examination of cities and urbanization in a global context. The course explores: the metropolis and the global economy; urban inequalities; poverty; work; violence; marginalization; housing, environment and urban struggles. Comparative case studies are used. Prerequisite: 14.0 university credits including IDST 2000Y (200) or GEOG – CAST 2710H (271H) or permission of instructor.

IDST 4220Y – Assessment of development projects

An examination of techniques for analyzing and assessing development projects focusing on selected case studies of Canadian development assistance projects abroad. Project evaluation placement takes place in the second term. Open only to Honours students in International Development Studies. Prerequisite: 14.0 university credits including IDST 2000Y (200) and permission of instructor or department chair required before registration. Excludes IDST 422.

IDST – POST 4230H – Global civil society

An examination of the reactions by agents of global civil society to the process of economic globalization and its impact on the developing world. Prerequisite: 14.0 university credits including one of IDST 2000Y (200) or POST 2200Y (220), 2230Y (223) or 2400Y (240) or permission of instructor. Excludes IDST – POST 423H.

IDST – CAST – POST 4240Y – Canada, globalization and international development

Canada's socio-cultural diversity and place within the global political economy, and its North-South policies and practices, are examined. Topics include immigration and multiculturalism, foreign policy, human security, peacekeeping, development assistance (including gender, democratization, and human rights), trade and the roles of Canadian business and civil society in international development. Prerequisite: 14.0 university credits including one of IDST 2000Y (200), CAST – ERST – GEOG – INDG 2040Y (204), POST 2200Y (220), 2230Y (223) or POST 2400Y (240) or permission of instructor. Excludes IDST 424H, IDST – CAST – POST 424.

IDST – POST 4250H – Topics in global political economy

An examination of contemporary debates concerning the relationship between global inequality and the global political and economic order. Prerequisite: 14.0 university credits including IDST – POST 3220H (322H) or permission of instructor. Excludes IDST – POST 425H.

IDST – POST 4270Y – Democracy and global order (see Political Studies)**IDST – ERST – POST 4610H – Global environmental policy (see Environmental & Resource Science/Studies)****IDST – SOCI 4700H – Religion and social movements**

An examination of the religious movements generated by social upheaval in contemporary developing contexts, with particular attention given to new forms of religious organization and the revitalization of popular religion. Prerequisite: 14.0 university credits including SOCI 2100Y (210) or IDST 2000Y (200) or permission of instructor. Excludes IDST – SOCI 470H.

IDST – ANTH 4750H – Perspectives on ethnicity

An examination of ethnic consciousness and identity formation through theoretical and ethnographic case studies in a variety of settings. Identity construction in relation to the processes of development is explored, as is the articulation and comparison of ethnicity with gender, class, kinship, nationalism and other markers of social and cultural difference. Prerequisite: 14.0 university credits including ANTH 2000Y (200) or IDST 2000Y (200) or permission of instructor. Excludes IDST – ANTH 475H.

IDST – ANTH 4760H – Family and modernity

An examination of the dynamics of the family and its relation to development. Themes considered include: historical change in family forms, marriage patterns, gender relations and social hierarchy; and the role of kin and family in economic change. Prerequisite: 14.0 university credits including ANTH 2000Y (200) or IDST 2000Y (200) or permission of instructor. Excludes IDST – ANTH 476H.

IDST 4900Y, 4901H, 4902H – Reading courses in international development

Open to Honours students in International Development Studies. Prerequisite: 14.0 university credits and permission of department chair and instructor. Excludes IDST 490, 491, 492.

International Political Economy

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Program Coordinators

Chair of the Department of Political Studies

G. Fridell, B.Env., M.A. (Manitoba), Ph.D. (York)

Faculty

N. Changfoot, B.A., (York), M.A. (Carleton), Ph.D. (York)

The joint-major Honours program in International Political Economy (IPE) is offered by the department of Political Studies and is intended for students with an interest in the interconnected nature of the study of politics and economics at the international and global levels, which they wish to explore while pursuing a joint-major Honours option in another discipline or program. The globalization of economic life has raised the prominence of the study of IPE in recent years among scholars and students from a wide variety of academic backgrounds who have merged Political Studies with Economics and International Development Studies, as well as Anthropology, Business Administration, Canadian Studies, Environmental & Resource Science/Studies, Geography, History, Indigenous Studies, Sociology, and Gender & Women's Studies.

BACHELOR OF ARTS PROGRAM IN INTERNATIONAL POLITICAL ECONOMY

- See [p. 28](#) for requirements which apply to all undergraduate degree programs.
- The same course may not simultaneously satisfy the requirements of both programs in a joint-major degree.
- Courses taken abroad may be counted toward the joint-major by special permission of the program coordinator.
- A joint-major in International Political Economy excludes an Emphasis in International Political Economy.
- There is no minor in International Political Economy.

The joint-major Honours program. 20.0 credits including the following 7.0 credits:

- 2.0 credits consisting of ECON 1010H (101H), 1020H (102H), POST 1000Y
- 1.0 credit from POST 2230Y, 2400Y or IDST 2000Y (200)
- 1.0 credit from course list A
- 1.0 credit from course list B
- 1.0 credit from course list C
- 1.0 additional credit from one of A, B, or C
- at least one credit must be at the 3000-level
- at least one credit must be at the 4000-level

Course List A

ECON 3110H (311H), 3120H (312H), 3620H (362H)

ECON – IDST 3310H (331H), 3330H (333H)

HIST 2500Y

HIST – CAST 3080Y

HIST – IDST 2401H, 2402H, 2471H, 3401H, 3402H

Course List B

POST 3170H, 3200H, 3240H, 3250H, 3260H, 3280H, 3420H, 3430H, 4200H, 4280Y/4281H

POST – CAST 3210H

POST – IDST 3290H, 4270H

POST – SOCI 3230H

POST – WMST 3880Y/3881H

Course List C

ANTH – IDST 3010Y, 3040Y, 4070Y
ENGL 3707H
ERST – CAST – POST 4600H
ERST – IDST – POST 3601Y, 4610H
IDST 2000Y (200), 3100Y (310), 4000Y (400), 4110H (411H), 4220Y (422)
IDST – ANTH 2210Y (221), 3890Y (389)
IDST – CAST – POST 4240Y (424)
IDST – POST 3220H (322H), 4250H (425H)
INDG – IDST 3050Y
WMST – IDST 2250Y (225)

Mathematical Computer Science

Program Coordinators**Chair of Computing & Information Systems**

B. G. Patrick, B.C.S. (Concordia), M.Sc. (Queen's), Ph.D., M.B.A. (McGill)

Chair of Mathematics

D. G. Poole, B.Sc. (Acadia), M.Sc., Ph.D. (McMaster)

Professors

See listing of faculty in Computing & Information Systems and in Mathematics

This program is intended for mathematically talented students who are interested in the theoretical foundations of computer science. The program will prepare students who may wish to go to graduate school and perhaps eventually become researchers in theoretical computer science, cryptography, or applied discrete mathematics.

BACHELOR OF SCIENCE PROGRAM IN MATHEMATICAL COMPUTER SCIENCE

- See [p. 28](#) for requirements which apply to all undergraduate degree programs.
- There is no minor and no General program in Mathematical Computer Science.
- For information on individual courses, see calendar entries for Computing & Information Systems and for Mathematics.
- Students wishing to transfer to a single major in either Computing & Information Systems or Mathematics should consult the chair of the appropriate department before they have completed 10.0 credits.

The Honours program. 20.0 credits including the following 15.0 credits:

- 3.5 COIS credits consisting of COIS 1010H, 1020H, 2020H, 2320H, 3050H, 4050H and 4470H (COSC 101H, 102H, 202H, 232H, 305H, 405H and 447H)
- 2.0 COIS – MATH credits consisting of COIS – MATH 2180H, 3210H, 4215H, 4216H (COSC – MATH 203H, 321H, 415H, 416H)
- 0.5 MATH – COIS credit consisting of MATH – COIS 2600H; or MATH – COST 260
- 6.0 MATH credits consisting of MATH 1100Y (110) or 1101Y, 1350H (135), 1550H (155), 2110H (201H), 2120H (202H), 2200H (220H), 2350H (235H), 3610H (361H), 4180H (403H), 4610H (461H), 4620H (462H)
- 0.5 MATH credit from MATH 3320H (332H) or 3360H (336H) or 3570H (357H)
- 2.5 additional credits from COIS – PHIL 2140H (240H), 3410H (341H), COIS 3400H, 4100H, 4310H, 4320H, 4550H, or any 3000- or 4000-level courses in MATH in any of categories A, B or C (see Mathematics)

Mathematical Economics

Program Coordinators

Chair of Economics

B. Lew, B.Sc., M.B.A. (Alberta), Ph.D. (Queen's)

Chair of Mathematics

D. G. Poole, B.Sc. (Acadia), M.Sc., Ph.D. (McMaster)

Professors

See listing of faculty in Economics and in Mathematics.

This program is intended for mathematically talented students who are considering graduate studies and possibly a research career in economics.

BACHELOR OF SCIENCE PROGRAM IN MATHEMATICAL ECONOMICS

- See [p. 28](#) for requirements which apply to all undergraduate degree programs.
- There is no minor and no general program in Mathematical Economics.
- For information on individual courses, see calendar entries for Economics and for Mathematics.
- Students wishing to transfer to a single major in either Economics or Mathematics should consult the chair of the appropriate department before beginning third year.
- The following courses are particularly suited to the Bachelor of Science in Mathematical Economics, and students may wish to consider them as electives: MATH 2150H, 2350H, 3700H, 3510H, 3560H, 3570H, 3610H, 4510H, 4561H and 4563H.

The single-major Honours program. 20.0 credits which include the following 13.5 credits:

- 7.0 ECON credits consisting of ECON 1010H (101H), 1020H (102H), 2000H (200H), 2010H (201H), 3000H (300H), 3010H (301H), 3200H (320H), 3250H (325H), 4000H (400H), 4040Y (404), 4050H (405H), 4200H (420H), 4250H (425H)
- 1.0 ECON credit in addition to the above at the 3000-level or 4000-level
- 2.0 ECON credits in addition to the above and excluding ECON – ADMN 2200H (220H) and ECON – ADMN 2250H (225H)
- 3.5 MATH credits in Mathematics consisting of MATH 1100Y (110) or 1101Y, MATH 1350H (135H), MATH 1550H (155H), MATH 2110H (201H), MATH 2560H (256H), MATH 3350H (335H)
- 14.0 science credits are required for the Honours degree

Mathematical Physics

Program Coordinators

Chair of Mathematics

D. G. Poole, B.Sc. (Acadia), M.Sc., Ph.D. (McMaster)

Chair of Physics & Astronomy

To be named

Professors

See listing of faculty in Mathematics and in Physics & Astronomy

Physics is the most fundamental of the natural sciences, and mathematics is the language of physics. This program develops, in parallel, experience with the central theoretical frame-works of physics and facility with the mathematical methods which form the foundation and tools of physics.

BACHELOR OF SCIENCE PROGRAM IN MATHEMATICAL PHYSICS

- See [p. 28](#) for requirements which apply to all undergraduate degree programs.
- The Honours program in Mathematical Physics is a sequence of courses offered by the departments of Mathematics and Physics & Astronomy that compose an integrated whole.
- There is no minor in Mathematical Physics.
- There is no joint-major program in Mathematical Physics.
- For information on individual courses see calendar entries for Mathematics and Physics & Astronomy.

The Honours program. 20.0 credits including the following 14.5 credits:

- 4.0 MATH credits consisting of MATH 1100Y (110) or 1101Y, 1350H (135H), 1550H (155H), 2110H (201H), 2120H (202H), 2350H (235H) and 3770H (307H)
- 1.0 MATH credit from MATH 3720H (302H), 4160H (405H) and 4180H (403H)
- 0.5 MATH credits from MATH 3570H (357H), 3720H (302H), 4120H (412H), 4130H (413H), 4160H (405H), 4180H (403H), 4710H (471H), 4720H (472H)
- 2.5 MATH – PHYS credits consisting of MATH – PHYS 2150H (205H), 3160H (303H), 3150H (305H), 3130H (313H) and 3140H (314H)
- 4.5 PHYS credits consisting of PHYS 1001H and 1002H (1000Y or 100), 2610H (202H), 2620H (203H), 2700H (270H), 4600Y (400), 4220H (421H) and 4700H (470H)
- 0.5 PHYS credits from PHYS 4240H (424H), 4310H (431H), 4410H (441H), 4510H (450H), and 4520H
- 1.0 PHYS credit from PHYS – COIS 3200Y (3210Y or PHYS – COSC 321)
- 0.5 credit from MATH – COIS 2180H (MATH – COSC 203H) or PHYS – COIS 2310H (PHYS – COSC 231H)

Mathematics

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Professor and Chair of the Department

D. G. Poole, B.Sc. (Acadia), M.Sc., Ph.D. (McMaster)

Professors

K. Abdella, B.Sc. (Trent), M.Sc. (Alberta), Ph.D. (Western) (*on leave 2011-2012*); **W. Feng**, B.Sc. (Hebei), M.Sc. (Shaanxi), Ph.D. (Glasgow); **B. Zhou**, B.Sc. (Shanghai), Ph.D. (South Carolina)

Associate Professors

S. Bilaniuk, B.Sc. (Toronto), A.M., Ph.D. (Dartmouth); **M. Pivato**, B.Sc. (Alberta), Ph.D. (Toronto) (*on leave 2011-2012*); **M. Pollanen**, B.Sc. (Carleton), M.Sc., Ph.D. (Toronto); **R. Yassawi**, B.Sc. (London School of Economics), M.A., Ph.D. (McGill) (*on leave 2011-2012*)

Assistant Professor

M. Boue, B.Sc. (ITAM), M.Sc., Ph.D. (Brown)

Professors Emeriti

I. C. Chakravarty, M.Sc. (Gauhati), Ph.D. (Saskatchewan); **G. F. Hamilton**, B.A.Sc., M.A., Ph.D. (Toronto), P. Eng.; **E. A. Maxwell**, M.Sc., Ph.D. (Toronto); **T. N. Murphy**, B.Sc. (Liverpool)

The curriculum in Mathematics has been designed to accommodate a wide variety of interests in both pure and applied mathematics. All students in the Mathematics major program must take core courses in calculus and algebra. Most of the remaining courses have been divided into three categories corresponding to the major areas of Mathematics. The intent is to provide students with both breadth and depth in Mathematics while allowing them to pursue those areas that interest them.

Frequency of Course Offerings

Some courses are offered only in alternate years and some courses are offered in only the Fall or the Winter term. Please refer to the department website at www.trentu.ca/math for general information and for scheduled course offerings in any year. Courses will be offered only if there is adequate staffing and demand. Students should plan their courses at least one year in advance to ensure that they will be able to satisfy all of the prerequisites for future courses.

Notes

- 60% or higher in a Mathematics course at the 1000-level is a prerequisite for all upper-level Mathematics courses. For specific prerequisites, see individual course descriptions.
- Students who have fulfilled the requirements for a single-major or joint major honours degree in another subject may apply to the Office of the Registrar for a minor in Mathematics if they have at least 5.0 credits in Mathematics, excluding MATH 1005H (105H), 1050 (150), and 2080 (280), 2084H (284H), 2085H (285H).
- Please refer to the department website at www.trentu.ca/math for updated course information. MATH 2080 (280), 2084H (284H), 2085H (285H) do not satisfy the Mathematics requirement for a Bachelor of Science degree.
- Students wishing to register for a reading course require either an 85% minimum in any prerequisite for the course or the chair's approval.

BACHELOR OF SCIENCE PROGRAM IN MATHEMATICS

- See [p. 28](#) for requirements which apply to all undergraduate degree programs.
- The same course may not simultaneously satisfy the requirements of both programs in a joint-major degree.
- 60% or higher is required in a course if it is to serve as a prerequisite for another course in the program.
- The following core courses are required of all students in the Mathematics majors program: MATH 1100Y (110) or 1101Y, 1350H (135H), 2110H (201H), 2120H (202H) and 2350H (235H).
- Most other courses in Mathematics are divided into four categories. Some courses appear in more than one category, but no course may fulfill more than one category requirement. For specific stream requirements for the major, see the table below. The courses listed below will be offered only if there is adequate staffing and student demand.

Category A Analysis and Topology	Category B Algebra, Geometry, and Discrete Mathematics	Category C Modeling and Statistics	Category D Miscellaneous
2200H (220H)	2200H (220H)	2150H (205H)	2110H (201H)
3150H (305H)	2260H (226H)	2180H (203H)	2120H (202H)
3160H (303H)	2600H	2560H (256H)	2350H (235H)
3700H (310H)	3200H (320H)	3130H (313H)	3810H (381H)
3720H (302H)	3210H (321H)	3140H (314H)	3820H (382H)
3770H (307H)	3260H (326H)	3150H (305H)	3900Y (390)
3790H (309H)	3320H (332H)	3160H (303H)	3901H (391H)
4160H (405H)	3350H (335H)	3510H (351H)	3902H (392H)
4330H (433H)	3360H (336H)	3560H (356H)	3903H (393H)
4570H (457H)	3610H (361H)	3570H (357H)	3904H (394H)
4700H (410H)	3720H (302H)	3610H (361H)	4810H
4710H (471H)	4215H (415H)	4120H (412H)	4820H (482H)
4720H (472H)	4216H (416H)	4130H (413H)	4903H (493H)
4770H (407H)	4260H (426H)	4160H (405H)	4904H (494H)
4790H (409H)	4310H (431H)	4180H (403H)	4950Y (495)
470	4320H (432H)	4450H	380
	4330H (433H)	4510H (451H)	491H
	4350H (435H)	4560H (456H)	492H
	4370H (437H)	4561H	
	4400H	4562H	
	4610H (461H)	4563H	
	4620H (462H)	4570H (457H)	
	260	207H	
	322	308H	
	330	311	
	341	312	
	460	355	
		411	

- An information meeting concerning upper level courses in Mathematics will be arranged in the Winter term.

The single-major Honours program. 20.0 credits including the following 11.0 credits:

- 3.0 MATH credits consisting of MATH 1100Y (110) or 1101Y, 1350H (135H), 2110H (201H), 2120H (202H) and 2350H (235H)
- 2.0 MATH credits from one of categories A, B and C
- 2.0 MATH credits from another one of categories A, B and C
- 0.5 MATH credit from the remaining category of categories A, B, and C.
- 3.5 MATH credits in addition to the above
- at least six of the above credits must be beyond the 2000-level, including at least 2.0 at the 4000-level
- 14.0 science credits are required for the Honours degree

The joint-major Honours program. 20.0 credits including the following 7.5 credits:

- 3.0 MATH credits consisting of MATH 1100Y (110) or 1101Y, 1350H (135H), 2110H (201H), 2120H (202H) and 2350H (235H)
- 1.0 MATH credit from one of categories A, B and C
- 1.0 MATH credit from another one of categories A, B and C
- 0.5 MATH credit from the remaining category of categories A, B, and C.
- 2.0 MATH credits in addition to the above
- at least three of the above credits must be beyond the 2000-level, including at least 1.0 at the 4000-level
- 14.0 science credits are required for the Honours degree

The single-major General program. 15.0 credits including the following 6.0 credits:

- 3.0 MATH credits consisting of MATH 1100Y (110) or 1101Y, 1350H (135H), 2110H (201H), 2120H (202H) and 2350H (235H)
- 0.5 MATH credit from one of categories A, B and C
- 0.5 MATH credit from another one of categories A, B and C

- 2.0 MATH credits in addition to the above
- at least one of the above credits must be beyond the 2000-level
- 11.0 science credits are required for the General degree

The joint-major General program. 15.0 credits including the following 5.0 credits:

- 3.0 MATH credits consisting of MATH 1100Y (110) or 1101Y, 1350H (135H), 2110H (201H), 2120H (202H) and 2350H (235H)
- 2.0 MATH additional credits from categories A, B or C
- at least one of the above credits must be beyond the 2000-level
- 11.0 science credits are required for the General degree

SPECIALIZATION IN MATHEMATICAL FINANCE

The specialization in Mathematical Finance is available to students in the single-major Honours program in Mathematics. The transcripts of students graduating with an Honours degree in Mathematics who have successfully completed the requirements of the Specialization will contain the notation “with a Specialization in Mathematical Finance.”

Note

- The following courses are recommended: COIS 1020H, MATH 4790H (409H), 4120H (412H), 4560H (456H).

Specialization requirements include the following 9.5 credits:

- 7.0 MATH credits in MATH consisting of MATH 1550H (155H), 2180H (203H or 207H), 2150H (205H), 2560H (256H), 3160H (303H or 308H), 3150H (305H), 3350H (335H), 3510H (351H), 3560H (356H), 3570H (357H), 3610H (361H), 4180H (403H), 4510H (451H) and 4570H (457H)
- 1.5 ECON credits consisting of ECON 1010H (101H), 1020H (102H), and 3020H (302H)
- 0.5 MATH credit in MATH in addition to the above, at the 4000-level
- 0.5 MATH credit in MATH in addition to the above, at the 3000- or 4000-level

SPECIALIZATION IN STATISTICS

The Specialization in Statistics (Honours) is available to students in the single or joint major Honours program in Mathematics. The transcripts of students graduating with a single or joint Honours degree in Mathematics who have successfully completed the requirements of the Specialization will contain the notation “with a Specialization in Statistics.”

Note

- The following courses are strongly recommended for students planning to pursue graduate studies in statistics: MATH 2200H (220H), 3770H (307H), 3790H (309H) and 4790H (409H) and 1.0 credit in any writing-intensive course offered at Trent (for example, ENGL 1000Y, PHIL1001Y).

Specialization requirements include the following 9.0 credits:

- 2.5 MATH credits consisting of MATH 1550H (155H), 2150H (205H), 2180H (203H), 2560H (256H) and 3560H (356H)
- 0.5 MATH credits from MATH 4561H or 4562H
- 2.0 MATH credits in addition to the above from MATH 3570H (357H), 4560H (456H), 4561H, 4562H, 4563H, 4570H (457H), 4850 or COIS 4400H
- 1.0 COIS credit consisting of COIS 1010H and 1020H
- A minor from another department at Trent (following the academic calendar) or 3.0 credits beyond the 2000-level from one program other than Mathematics

Please consult the academic timetable, available through myTrent, for information on courses that will be offered in 2011–2012 including when they will be scheduled.

MATH 1005H – Applied calculus

An introduction to the methods and applications of calculus. Derivatives, exponential and logarithmic functions, optimization problems, related rates, integration, partial derivatives, differential equations. Selected applications from the natural and social sciences. Prerequisite: A Grade 12U mathematics course or its equivalent. Not available to students enrolled in or with credit for MATH 1100Y (110) or 1101Y. Not for credit towards a major or minor in Mathematics. Excludes MATH 105H.

MATH 1050Y – A non-calculus-based introduction to probability and statistical methods

Data summary, elementary probability, estimation, hypothesis testing, analysis of variance,

regression, nonparametric methods. Applications in a variety of areas are discussed. This course uses high school mathematics as a foundation and involves the use of computers. Not for credit towards a major or minor in Mathematics, nor available to students enrolled in, or with credit for MATH 1100Y (110) or 1101Y or 2560H (256H). Excludes MATH 150.

MATH 1100Y – Calculus I: Calculus of one variable

An examination of the concepts and techniques of calculus, with applications to other areas of mathematics and the physical and social sciences, including an introduction to the use of “Maple” software. Prerequisite: Grade 12 Advanced Functions or equivalent with at least 60%; a pass mark on math skills assessment administered by department of Mathematics; or permission of instructor. Strongly recommended: Grade 12U Calculus and Vectors. Excludes MATH 110 and 1101Y. See website for details about math skills assessment www.trentu.ca/math.

MATH 1101Y – Calculus I: Functions and calculus of one variable

An examination of the concepts and techniques of calculus, with applications to other areas of mathematics and the physical and social sciences, including an introduction to the use of “Maple” software. Includes same content as MATH 1100Y with an additional lecture hour per week devoted to development of pre-calculus skills. Prerequisite: Grade 12 Advanced Functions or equivalent with at least 60%; completion of math skills assessment administered by department of Mathematics; or permission of instructor. Excludes MATH 110 and 1100Y. See website for details about math skills assessment www.trentu.ca/math.

MATH 1350H – Linear algebra I: Matrix algebra

Vectors, systems of linear equations, matrices, determinants, linear transformations, eigenvalues and eigenvectors. Prerequisite: A Grade 12U mathematics course with at least 60% or permission of instructor. Recommended: Grade 12U Calculus and Vectors. Excludes MATH 135H.

MATH 1550H – Introduction to probability

Probability, random variables, probability distributions. Note that MATH 1550H does not count as the Introductory Statistics course required for admission into some professional schools. Prerequisite: MATH 1005H (105H), or MATH 1100Y (110) or 1101Y, or permission of instructor. MATH 1100Y (110) or 1101Y may be taken as a co-requisite. Excludes MATH 155H.

MATH 2080Y – Mathematics for Teacher Education

A course in mathematics and mathematical thinking for prospective elementary school teachers. Number systems and counting, graphs and networks, symmetry and patterns, mathematics in nature and art, probability and statistics, measurement and growth. Prerequisite: Normally open only to students who are in the Concurrent Education program or who are pursuing the Emphasis in Teacher Education. Permission of department required. Excludes MATH 280 and any Mathematics course, or its equivalent, which counts toward a major or minor in Mathematics. This course does not satisfy the mathematics requirement for a Bachelor of Science degree.

MATH 2084H – Recreational mathematics

A look at parts of mathematics that are done for fun. Topics may include magic squares, logic puzzles, toys and tricks with mathematical content, polygonal dissections and tiling problems. We will also look at the mathematical theories behind these puzzles and surprising phenomena. Prerequisite: Grade 12 Mathematics credit or equivalent and 60% or higher in 2.0 1000-level university credits; or permission of instructor. Not for credit towards a major or minor in mathematics. Excludes MATH 284H. This course does not satisfy the mathematics requirement for a Bachelor of Science degree.

MATH 2085H – The mathematics of art, architecture and music

This interdisciplinary course explores how mathematics can be used to understand art, and how artists are inspired by mathematics. Topics include: Symmetry (tilings, crystallography). Self-similarity and fractals. The Golden ratio and Fibonacci sequence. Musical harmony. Modular arithmetic. Self-reference and recursion. Architecture. Labyrinths. Art and literature inspired by mathematics. Prerequisite: Grade 12 Mathematics credit or equivalent and 60% or higher in 2.0 1000-level university credits or permission of instructor. It is suggested that students take MATH 2260H (226H) or CUST 2111Y, 2016Y or 2045Y or CUST – ENGL 2029Y as a pre- or co-requisite. Not for credit towards a major or minor in mathematics. Excludes MATH 285H. This course does not satisfy the mathematics requirement for a Bachelor of Science degree.

MATH 2110H – Calculus II: Calculus of several variables

Multivariable functions, curves and surfaces in two and three dimensions. Partial differentiation and applications. Multiple integrals. Prerequisite: 60% or higher in MATH 1100Y (110) or 1101Y and MATH 1350H (135H) (1350H may be taken as a co-requisite); or permission of instructor. Excludes MATH 200, 201H.

MATH 2120H – Calculus III: Vector calculus

Parametric curves and surfaces, vector functions and fields. Line integrals, Green's Theorem. Surface integrals, curl and divergence, Stokes' and Divergence Theorems. Prerequisite: 60% or higher in MATH 2110H (201H) or permission of instructor. Excludes MATH 200, 202H.

MATH – PHYS 2150H – Ordinary differential equations

First order equations; qualitative and numerical methods. Second order linear equations. Linear systems. Applications to physical and biological models. Laplace transforms. Prerequisite: 60% or higher in MATH 1100Y (110) or 1101Y; or permission of instructor. Recommended: MATH 1350H (135H). Excludes MATH – PHYS 205H.

MATH – COIS 2180H – Introduction to numerical and computational methods

Error analysis, nonlinear equations, linear systems, interpolation methods, numerical differentiation and integration and initial value problems. Prerequisite: 60% or higher in MATH 1005H (105H) or 1100Y (110) or 1101Y; or permission of instructor. Excludes MATH 207H, MATH – COSC 203H.

MATH 2200H – Mathematical Reasoning

This course introduces concepts/methods that are essential for all advanced courses in pure mathematics. It is intended for Mathematics majors early in their program. Logic, abstraction, proof techniques. Basic combinatorics. Sets, functions, (in/sur/bi)jections. Cantor's transfinite arithmetic. Number theory: divisibility, prime factorization, modular arithmetic. Optional: basic group theory and topology. Prerequisite: 60% in MATH 1100Y (110) or 1101Y and MATH 1350H (135H) (each may be taken as co-requisites); or permission of instructor. Excludes MATH 220H.

MATH 2260H – Geometry I: Euclidean geometry

Elements of Euclidean geometry stressing links to modern mathematical methods. Geometric transformations and symmetry. Recommended for Education students. Prerequisite: 60% or higher in MATH 1005H (105H) or 1100Y (110) or 1101Y or 1350H (135H); or permission of instructor. Excludes MATH 226H.

MATH 2350H – Linear algebra II: Vector spaces

Vector spaces, basis and dimension, inner product spaces, orthogonality, linear transformations, diagonalization, quadratic forms, least squares, the singular value decomposition. Prerequisite: 60% or higher in MATH 1350H (135H); or permission of instructor. Excludes MATH 235H.

MATH 2560H – Introduction to statistical inference

Introduction to mathematical statistics: Methods of point estimation, confidence intervals, hypotheses testing, comparative inferences, nonparametric methods. Assumes a background in probability and calculus. Prerequisite: 60% or higher in MATH 1550H (155H) or permission of instructor. Excludes MATH 355, 256H.

MATH – COIS 2600H – Discrete structures

Mathematics related to Computer Science including sets and relations, counting techniques and recursive relations, trees and networks. Applications to analysis of algorithms, data structure and optimization problems. Prerequisite: 60% or higher in either MATH 1100Y (110) or 1101Y and 1350H (135H); or 60% or higher in COIS 1020H (COSC 102H), MATH 1005H (105H) and 1350H (135H); or permission of instructor. Excludes MATH – COSC 260.

MATH – PHYS 3130H – Classical mechanics (see Physics & Astronomy)**MATH – PHYS 3140H – Advanced classical mechanics (see Physics & Astronomy)****MATH – PHYS 3150H – Partial differential equations**

First order PDEs: method of characteristics, applications to ODEs. Second order PDEs: classification, boundary conditions. Finite difference method. Frequency methods. Linear elliptic operators, eigenvalues and eigenfunctions for boundary value problems. Symmetric operators. Minimum principle for eigenvalues. Completeness of eigenfunctions. Fourier method (eigenfunction expansion). Regularity, stability, and semi-group properties for evolution equations. Prerequisite: 60% or higher in MATH 2150H (205H) or 2110H (201H), or permission of instructor. MATH 2110H (201H) may be taken as a co-requisite. Strongly recommended: MATH 1350H (135H). Excludes MATH – PHYS 305H.

MATH – PHYS 3160H – Methods of applied mathematics

Differential equations in applied mathematics, including Bessel, Legendre, hypergeometric, Laguerre, Hermite, Chebyshev, etc. Series and numerical solutions. Properties of the special functions arising from these equations. Prerequisite: 60% or higher in MATH – PHYS 2150H (205H); or permission of instructor. Recommended: MATH 2200H (220H). Excludes MATH 308H, 303H.

MATH 3200H – Number theory

Divisibility (GCDs, LCMs, Euclidean algorithm, Bezout's identity). Linear Diophantine Equations. Prime numbers (Factorization; Fermat/Mersenne numbers; pseudoprimes; Carmichael numbers). Modular Arithmetic (Chinese Remainder Theorem; Fermat/Euler theorem). Group of units mod m . Primitive roots. Quadratic Residues (Legendre symbols; Quadratic Reciprocity). Prerequisite: 60% or higher in MATH 1350H (135H) and 2200H (220H); or permission of instructor. Excludes MATH 322, 320H.

MATH – COIS 3210H – Mathematical cryptography

Public vs. private key cryptosystems: cyphertexts, plaintexts, and Kerkhoff's principle. Shannon's theory of public secrecy. Modular arithmetic: Chinese remainder theorem, Fermat/Euler theorems. RSA cryptosystem: definition and vulnerabilities. El-Gamal cryptosystem. Rabin cryptosystem. Quadratic residue theory. Probabilistic primality tests and factoring algorithms. Optional: discrete

logarithm algorithms and elliptic curve cryptosystems. Prerequisite: 60% or higher in MATH 2200H (220H); or permission of instructor. Recommended: MATH – COIS 2600H or MATH – COSC 260; or both MATH 1550H (155H) and COIS 2120H (202H). Excludes MATH – COSC 321H.

MATH 3260H – Geometry II: Projective and non-Euclidean geometry

Elements of projective and non-Euclidean geometry, including an introduction to axiomatic systems. Prerequisite: 60% or higher in MATH 1350H (135H); or permission of instructor. Excludes MATH 326H.

MATH 3320H – Groups and symmetry

Geometric symmetry groups. Transformation groups (permutations, matrices). Abstract groups. Cyclic and abelian groups. Generators. (Normal) subgroups, cosets, Lagrange's theorem. Homomorphisms and quotient groups. The four Isomorphism Theorems. Direct products; structure theory. Group actions. Basic ring theory (if preceding MATH 4310H (431H)) or free groups and group presentations (if preceding MATH 4330H (433H)). Prerequisite: 60% or higher in MATH 2350H (235H) and 2200H (220H); or permission of instructor. Excludes MATH 330, 332H.

MATH – COIS 3350H – Linear programming

Introduction to the concepts, techniques and applications of linear programming and discrete optimization. Topics include the simplex method, duality, game theory and integer programming. Prerequisite: 60% or higher in MATH 1350H (135H); or permission of instructor. Excludes MATH – COSC 335H.

MATH 3360H – Rings and fields

Rings and subrings (e.g., integers, polynomials, functions, matrices). Homomorphisms, quotient rings, and ideals. The four Isomorphism Theorems. Divisibility, zero divisors, integral domains. Principal ideal domains, Euclidean domains and unique factorization domains. Fields and field extensions. Basic group theory (if preceding MATH 4350H (435H), or commutative ideal theory (if preceding MATH 4370H (437H)). Prerequisite: 60% or higher in MATH 2350H (235H) and 2200H (220H); or permission of instructor. Excludes MATH 330, 336H.

MATH 3510H – Mathematical finance

Elements of stochastic calculus. Discrete time market models and continuous time market models. Self-financing strategies and arbitrage. Replication of claims. Completeness of market models. Pricing of derivatives: binomial model, Black-Scholes model. Historical and implied volatility. Prerequisite: 60% or higher in MATH 1550H (155H) and 2150H (205H); or permission of instructor. Excludes MATH 351H.

MATH 3560H – Linear statistical models

Linear regression and correlation, multiple regression, analysis of variance and experimental designs. Assumes background in probability and uses introductory linear algebra. Prerequisite: 60% or higher in MATH 2560H (256H) with at least 60%, or permission of instructor. Strongly recommended: MATH 1350H (135H). Excludes MATH 355, 356H.

MATH 3570H – Introduction to stochastic processes

This course covers a variety of important models used in modeling of random events that evolve in time. These include Markov chains (both discrete and continuous), Poisson processes and queues. The rich diversity of applications of the subject is illustrated through varied examples. Prerequisite: 60% or higher in MATH 1350H (135H) and 1550H (155H) or permission of instructor. Excludes MATH 357H.

MATH 3610H – Discrete optimization

Introduction to the concepts, techniques and applications of discrete optimization. Topics include transportation problems, assignment problems, matchings in graphs, network flow theory and combinatorial optimization. Prerequisite: 60% or higher in MATH 1350H (135H) and 60% or higher in MATH 2200H (220H) or MATH – COIS 2600H or MATH – COSC 260; or permission of instructor. Excludes MATH 361H.

MATH 3700H – Metric geometry and topology

Metric spaces. Limits and continuity. Completeness: the Baire Category Theorem; normed linear spaces and Banach spaces; the Contraction Mapping Theorem and applications. Compact, separable, and (first/second) -countable spaces: the Heine-Borel and Lindelof theorems. Topological spaces. Hausdorff axiom and (non) metrizability. Product spaces and quotient spaces. Compactness and Tychonoff's theorem. (Path)-connectedness. Prerequisite: 60% or higher in MATH 2200H (220H); or permission of instructor. Excludes MATH 310H.

MATH 3720H – Differential geometry

Tensor calculus: (co) vector fields and frame fields; multilinear forms and differential forms. Surfaces and coordinate patches. Differential forms: integration, Stokes theorem and topological consequences. Connection forms. Gaussian curvature; Theorema Egregium. Optional: Frenet's theory of curves. Mean curvature and minimal surfaces. (Pseudo) Riemannian geometry and Einstein manifolds. Symplectic geometry and Hamiltonian manifolds. Prerequisite: 60% or higher in MATH 2120H (202H), 2200H (220H) and 2350H (235H); or permission of instructor. Excludes MATH 302H.

MATH 3770H – Complex analysis

Complex numbers, limits and series. Complex functions, Holomorphic functions. Complex contour integrals; Cauchy integral theorems. Taylor series. Laurent series. Calculus of residues. The Fundamental Theorem of Algebra. Frequency analysis: Fourier transform, Laplace transform, Fourier series, Z-transform. Prerequisite: 60% or higher in MATH 2120H (202H) or 200; or permission of instructor. Excludes MATH 306H, 307H.

MATH 3790H – Analysis I: Introduction to analysis

The real number system. Limits. Continuity. Differentiability. Mean-value theorem. Convergence of sequences and series. Uniform convergence. Prerequisite: 60% or higher in MATH 1100Y (110) or 1101Y. Prerequisite: 60% or higher in MATH 2200H (220H) (may be taken as co-requisite); or permission of instructor. Excludes MATH 206H, 309H.

MATH 3810H – Ancient and classical mathematics

This course traces the historical development of mathematics from prehistory to medieval times, and the interactions between the development of mathematics and other major trends in human culture and civilization. We will study the mathematics of ancient Egypt and Mesopotamia, and classical Greece and Rome. Prerequisite: 60% or higher in MATH 1100Y (110) or 1101Y; or permission of instructor. Recommended: MATH 2200H (220H) or 2350H (235H). Excludes MATH 380 and 381H.

MATH 3820H – Mathematics from medieval to modern times

Traces the development of mathematical ideas, abstraction and proofs. The genesis of modern arithmetic in medieval India, the birth of algebra in the Islamic world, and their influence on medieval European mathematics. Renaissance mathematics (polynomial equations, analytic geometry). The Enlightenment (calculus, number theory). The apotheosis of rigour since the 19th century. Prerequisite: 60% or higher in MATH 1100Y (110) or 1101Y; or permission of instructor. Recommended: MATH 2200H (220H) or 2350H (235H). Excludes MATH 380, 382H.

MATH 3900Y, 3901H, 3902H, 3903H, 3904H – Reading course

Details may be obtained by consulting the department. Prerequisite: 85% minimum in any prerequisite for the course; or permission of department chair.

MATH 4120H – Mathematical modeling I

This course provides an introduction to the mathematical modeling process and applies this process to simple mathematical modeling problems arising from a variety of application areas in science and engineering. Mathematical modeling techniques, such as differential equations, discrete systems and numerical methods along with computer aids will be utilized. Prerequisite: 60% or higher in MATH – PHYS 2150H (205H); or permission of instructor. Excludes MATH 411, 412H.

MATH 4130H – Mathematical modeling II

This course further develops the mathematical modeling techniques introduced in MATH 4120H (412H). Topics include dimensional analysis and partial differential equation models such as diffusion processes, wave motions and fluid flows. Prerequisite: 60% or higher in MATH 4120H (412H) and one of MATH – PHYS 3180H or 3150H (305H); or permission of instructor. Excludes MATH 411 and 413H.

MATH 4160H – Advanced methods of applied mathematics

This course deals with a variety of applied mathematics techniques, focusing on dimensional analysis and scaling, perturbation techniques for algebraic and differential equations, and asymptotic expansions of integrals. Topics include Laplace's method, Watson's Lemma, methods of stationary phase, method of steepest descent, regular and perturbation, boundary layer theory, and matched asymptotic expansions. Prerequisite: 60% or higher in MATH 2150H (205H) and 3160H; or permission of instructor. Recommended: MATH 2200H (220H). Excludes MATH 405H.

MATH 4180H – Advanced numerical methods

This course deals with a variety of numerical methods for solving ordinary and partial differential equations arising from scientific and engineering applications. The topics covered include finite difference, adaptive techniques, multi-step methods, Runge-Kutta methods, direct and iterative methods for systems, stability and convergence. Prerequisite: 60% or higher in MATH 2180H (203H) and 2150H (205H); or permission of instructor. Excludes MATH 403H.

MATH – COIS 4215H – Mathematical logic

An introduction to the syntax and semantics of propositional and first-order logics through the Soundness, Completeness and Compactness Theorems. Prerequisite: 60% or higher in MATH – COIS 2600H or MATH – COSC 260; or permission of instructor. Excludes MATH – COSC 415H.

MATH – COIS 4216H – Computability

An introduction to computability via Turing machines and recursive functions, followed either by applications to the Incompleteness Theorem or by an introduction to complexity theory. Prerequisite: 60% or higher in COIS 3050H (COSC 305H) or MATH – COIS 4215H (MATH – COSC 415H); or permission of instructor. Excludes MATH – COSC 416H.

MATH 4260H – Topics in geometry

Excludes MATH 426H.

MATH 4263H – Projective geometry

Projective lines and projective planes, and their combinatorial properties. Collineations, transitivity, Desargue's Theorem. Coordinates and ternary rings. Constructing projective planes using affine planes, skew fields and free completions. Prerequisite: 60% or higher in MATH 2260H (226H) or 3260H (326H) or permission of instructor.

MATH 4310H – Algebra IV: Galois theory

Extension fields and Galois groups; the fundamental theorem of Galois Theory; the insolubility of the quintic. Prerequisite: 60% or higher in MATH 3320H (332H); or permission of instructor. Excludes MATH 431H.

MATH 4320H – Algebra V: Topics in algebra

Prerequisite: 60% or higher in MATH 3320H (332H) or 330 or 3360H (336H); or permission of instructor. Excludes MATH 432H.

MATH 4330H – Homological algebra and algebraic topology

Homotopy of paths and functions. Fundamental group: covering spaces, Seifert-van Kampen theorem. Higher homotopy groups. Categories and functors. Homological algebra: chain complexes and their homology groups, long exact sequences. Simplicial (co) homology groups: simplicial complexes, Mayer-Vietoris sequences, Euler-Poincare characteristic, Poincare duality. Optional: applications to fixed point theorems. Prerequisite: 60% or higher in MATH 3320H (332H) and 2110H (201H); or permission of instructor. Recommended: MATH 2120H (202H) or 3770H (307H). Excludes MATH 433H.

MATH 4350H – Modules, multilinear algebra, and linear groups

Modules, submodules, and module homomorphisms. The structure theory of finitely generated modules over principal ideal domains. The rational canonical form and Jordan canonical form for linear operators. Spectral theory. Linear groups. Dual spaces. Bilinear forms, Multilinear functions and tensor algebra. Group representation theory; Schur's lemma. Projective and injective modules. Prerequisite: 60% or higher in MATH 3360H (336H); or permission of instructor. Recommended: MATH 3320H (332H). Excludes MATH 435H.

MATH 4370H – Commutative algebra and algebraic geometry

Affine and projective algebraic varieties over the complex numbers and other algebraically complete fields. Hilbert basis theorem, Zariski topology, and Nullstellensatz. Coordinate rings, (iso) morphisms, (bi) rational maps. Tangent spaces and dimension. Applications to elliptic curves and cubic surfaces. Prerequisite: 60% or higher in MATH 3360H (336H) and 2110H (201H); or permission of instructor. Excludes MATH 437H.

MATH 4400H – Mathematics through problem-solving

A seminar-based course in problem solving. Invariants, number properties, polynomials, functional equations, inequalities, combinatorial games. Prerequisite: 70% in MATH 1100Y (110) or 1101Y and 1350H, and permission of instructor.

MATH 4450H – Voting, bargaining and social choice

Voting systems: Condorcet cycles, Borda count and other positional systems, voting paradoxes, Arrow's impossibility theorem. Social choice functions: (relative) utilitarian, egalitarian; properties and axiomatic characterizations. Bargaining theory: Nash solution, Kalai-Smorodinsky, utilitarian, and egalitarian solutions. Strategic voting: Gibbard-Satterthwaite theorem; implementation theory. Prerequisite: MATH 1350H (135H), 2110H (201H), and 2200H (220H); or ECON 3000H and 3250H. ECON 3160H and 4000H also recommended.

MATH 4510H – Mathematical risk management

Basic mathematical theory and computational techniques for how financial institutions can quantify and manage risks in portfolios of assets. Topics include: mean-variance portfolio analysis, the capital asset pricing model and Value at Risk (VaR). Prerequisite: 60% or higher in MATH 1550H (155H) and 2150H (205H); or permission of instructor. Excludes MATH 451H.

MATH 4560H – Topics in statistics

Prerequisite: 60% or higher in MATH 2560H (256H); or permission of instructor. Strongly recommended: MATH 3560H (356H). Excludes MATH 456H.

MATH 4561H – Sampling

The goal of this course is to study the statistical aspects of taking and analyzing a sample. Topics covered include simple random, systematic, stratified, cluster, two-stage and probability proportional to size designs. Applications in a variety of areas are discussed. Prerequisite: 60% or higher in MATH 2560H (256H); or permission of instructor. Recommended: MATH 3560H (356H). Excludes MATH 456H.

MATH 4562H – Design of experiments

The goal of this course is to introduce students to the principles and methods of designed

experiments. Designs commonly used in research will be studied, with focus both on analysis and construction of designs. Students will apply the concepts studied in applications. Prerequisite: 60% or higher in MATH 2560H (256H); or permission of instructor. Recommended: MATH 3560H (356H).

MATH 4563H – Foundations of research design and data analysis

Students enrolled in this course will follow the course syllabus for BIOL – ERSC 4030H (403H) (please consult course description for the latter). Students registered in MATH 4563H will complete assignments for BIOL – ERSC 4030H (403H), with theoretical assignments replacing some of the labs required there. Prerequisite: 60% or higher in MATH 2560H (256H) and 3560H (356H); or permission of instructor.

MATH 4570H – Topics in probability: A second course in stochastic processes

Stochastic calculus and stochastic differential equations. Prerequisite: 60% or higher in MATH 3570H (357H); or permission of instructor. Excludes MATH 457H.

MATH 4610H – Introduction to graph theory

An introduction to graph theory with emphasis on both theory and applications and algorithms related to computer science, operation research and management science. Prerequisite: 60% or higher in MATH – COIS 2600H (or MATH – COSC 260) and in MATH 2200H (220H); or permission of instructor. Excludes MATH 461H.

MATH 4620H – Introduction to combinatorics

An introduction to combinatorics. The topics include counting techniques, generating functions and block design. Prerequisite: 60% or higher in MATH 2200H (220H); or permission of instructor. Excludes MATH 460, 462H.

MATH 4700H – Topology III: Topics in topology

Prerequisite: 60% or higher in MATH 3700H (310H); or permission of instructor. Excludes MATH 410H.

MATH 4710H – Chaos, symbolic dynamics, fractals

An introduction to discrete dynamical systems. Periodicity, attraction. Parametrized families of functions, bifurcation, chaos. Symbolic dynamics, conjugacy, Cantor Sets. Deterministic fractals, fractal dimension, Lyapunov exponents, entropy. Prerequisite: 60% or higher in MATH 3700H (310H); or permission of instructor. Excludes MATH 470, 471H.

MATH 4720H – Fractals and complex dynamics

Discrete two-dimensional linear systems, the stable and unstable manifolds. Symbolic dynamics; the horseshoe map; hyperbolicity; the Poincaré-Bendixson theorem; complex dynamics; Julia sets, Mandelbrot sets. Prerequisite: 60% or higher in MATH 4710H (471H); or permission of instructor. Excludes MATH 470, 472H.

MATH 4770H – Analysis IV: Topics in complex analysis

Möbius transformations and the Riemann Sphere, automorphisms of the disc, the Poincaré metric. Infinite products. Analytic continuation and applications. Harmonic functions and applications. The Riemann mapping theorem and Picard's theorem. Prerequisite: 60% or higher in MATH 3770H (307H); or permission of instructor. Excludes MATH 407H.

MATH 4790H – Analysis III: Measure and integration

Riemann and Lebesgue measure, integration. Prerequisite: 60% or higher in MATH 3700H (310H); or permission of instructor. Excludes MATH 406H, 409H.

MATH 4810H – Perspectives in mathematics I

This course is team taught by three instructors. Each instructor will teach a four-week module on a special topic. Prerequisite: 60% or higher in 1.0 3000-level MATH credit; or permission of instructor. Excludes MATH 491H, 481H.

MATH 4820H – Perspectives in mathematics II

This course is team taught by three instructors. Each instructor will teach a four-week module on a special topic. Prerequisite: 60% or higher in 1.0 3000-level MATH credit; or permission of instructor. Excludes MATH 492H, 482H.

MATH 4850Y, 4851H, 4852H – Community-based Research Project

Students are placed in research projects with community organizations in the Peterborough area. Each placement is supervised jointly by a faculty member and a representative of a community organization. For details see 'Community-Based Education Program' ([p. 245](#)). Prerequisite: MATH 2560H and either MATH 3560H or 4561H or 4562H and a cumulative average of at least 75%. Students may take either MATH 4850Y or, one or both of 4851H and 4852H for credit.

MATH 4900Y, 4903H, 4904H – Reading course

Details may be obtained by consulting the department. Prerequisite: 85% minimum in any prerequisite for the course, or permission of department chair.

Modern Languages & Literatures

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Associate Professor and Chair of the Department

S. Bérard, M.A., Ph.D. (UQAM) (*French*)

Associate Professors

A. A. Krüger, Staatsexamen (München) (*German*); **C. Sagarra**, M.A. (Carleton), Ph.D. (Ottawa) (*French*) (*on leave Winter term*); **Y. Thomas**, B.A. (UQAM), M.A., Ph.D. (Montréal) (*French*)

Assistant Professors

R. M. Graves, M.A. (Queen's), Ph.D. (Toronto) (*German*); **E. Zafra**, M.A., Ph.D. (Toronto) (*Spanish*)

Professors Emeriti

G. Baumgaertel, M.A. (Brown), D. Phil. (Tübingen) (*German*); **F. B. García-Sánchez**, B.A. (Havana), M.A., Ph.D. (Laval) (*Spanish*); **R. M. Garrido**, Lic.Der., Dr.Der., Dr. Filología (Sevilla), M.A. (Toronto) (*Spanish*); **J. P. González-Martin**, Lic.Der. (Oviedo), Dr.Der. (Zaragoza) (*Spanish*); **R. Hagman**, B.A., Ph.D. (Columbia) (*Linguistics*); **T. A. Noriega**, Lic. en Filología (Colombia), M.A., Ph.D. (Alberta) (*Spanish*); **D. L. Smith**, M.A., D.Phil. (Oxford) (*Spanish*); **P. Royle**, M.A. (Oxford), Ph.D. (Natal) (*French*); **D. D. Stewart**, M.A., Ph.D. (Toronto) (*German*)

The department of Modern Languages & Literatures offers programs in French, German and Hispanic Studies, as well as an Emphasis in Linguistics. These programs enable students to begin or deepen their knowledge of a second language and then explore great works of literature in their original tongue. Language courses are offered at all levels from introductory to advanced and strive to develop competence in understanding, speaking, reading and writing. Literature courses give students a broad acquaintance with the variety of works written in the language, while helping them develop the critical abilities necessary for their proper appreciation. It is the department's goal to give students completing its programs an understanding and appreciation of the culture and civilization of the peoples who speak the languages it teaches. Toward this end, a year-abroad program is offered for those students majoring in French studies at Trent.

Please consult the academic timetable, available through myTrent, for information on courses that will be offered in 2011–2012 including when they will be scheduled.

CHIN 1000Y – Introduction to Mandarin Chinese

An introduction to the Chinese language for beginners. The course will cover the phonology, introductory syntax and characters of Mandarin Chinese, and develop cultural awareness. Students will receive training in listening and speaking, in recognizing both simplified and traditional Chinese characters, and in using Pin Yin and Chinese character dictionaries. Students judged by the instructor to be fluent in Mandarin Chinese may not receive credit for this course. (Offered only in the summer.) Excludes CHIN 100, 1001H, 1002H.

CHIN 1001H – Introduction to Mandarin Chinese I

An introduction to the Chinese language for beginners. The course will cover the phonology, introductory syntax and characters of Mandarin Chinese, and develop cultural awareness. Students will receive training in listening and speaking, in recognizing both simplified and traditional Chinese characters, and in using Pin Yin and Chinese character dictionaries. Students judged by the instructor to be fluent in Mandarin Chinese may not receive credit for this course. Excludes CHIN 1000Y (100). (Offered only in Oshawa.)

CHIN 1002H – Introduction to Mandarin Chinese II

An introduction to the Chinese language for beginners. The course will cover the phonology, introductory syntax and characters of Mandarin Chinese, and develop cultural awareness. Students will receive training in listening and speaking, in recognizing both simplified and traditional Chinese characters, and in using Pin Yin and Chinese character dictionaries. Students judged by the instructor to be fluent in Mandarin Chinese may not receive credit for this course. Prerequisite: CHIN 1001H. Excludes CHIN 1000Y (100). (Offered only in Oshawa.)

CHIN 2001H – Intermediate Mandarin Chinese

This course focuses on an integrated skill of listening, speaking, reading and writing. Emphasis will be on fluency through accuracy on the level of paragraph-based proficiency based on the ACTFL scale. This course will also introduce various software programs available for reading and typing Chinese characters. Prerequisite: CHIN 1000Y or 1002H.

ITAL 1000Y – Introduction to Italian

An introduction to spoken and written Italian for beginners. The course will seek to develop all four language skills: speaking, aural comprehension, reading and writing, as well as acquainting students with some of the culture and history of the Italian peninsula since the Middle Ages. Students judged by the instructor to be fluent in Italian may not receive credit for this course. (Offered only in the summer.) Excludes ITAL 100.

MODL 1000Y – Introduction to linguistics

An overview of the many approaches to the study of human languages. Topics covered include: the descriptive study of words, sentences and sounds; the role of language in society: how languages change over time; the development of writing systems; language learning; the brain and language. Excludes MODL 101, 1001H, 1002H.

MODL 1001H – Introduction to linguistics I

An introduction to modern approaches to the descriptive analysis of sounds, words and sentences, including extensive practice in the application of linguistic techniques. Excludes MODL 1000Y (101). (Offered only in Oshawa.)

MODL 1002H – Introduction to linguistics II

A continuation of MODL 1001H. Approaches to the study of human language: how languages change over time; the role of language in society; the development of writing systems, language learning, the brain and language. Prerequisite: MODL 1001H. Excludes MODL 1000Y (101). (Offered only in Oshawa.)

MODL – ANTH 2010H – Phonetics

An overview of articulatory and instrumental phonetics, including the mechanics of speech production, the accurate transcription of speech in any language, and the use of instruments to study the physical nature of speech sounds. Students will learn all characters and values of the International Phonetic Alphabet, an indispensable tool for linguistic study and research. Prerequisite: MODL 1000Y (101) or 1002H. Excludes ANTH 432H, MODL – ANTH 201H.

MODL – ANTH 2020H – Historical linguistics

An overview of the field of historical linguistics. Students will be exposed to the principles and methods of historical research on languages, including topics related to language change and the reconstruction of extinct languages from their known daughter languages. Prerequisite: MODL 1000Y (101) or 1002H. Excludes ANTH 330, MODL – ANTH 202H.

MODL – ANTH 3020H – Romance linguistics

A survey of the origin and diversification of the Romance languages, including: Spanish, Portuguese, Catalan, French, Occitan, Italian, Sardinian, Rhaeto-Romance and Rumanian. Phonological and grammatical diversification, socio-political context, the emergence of literary languages, and the birth of literary traditions. Prerequisite: MODL 1000Y (101) or 1002H. Excludes MODL – ANTH 302H.

MODL – ANTH 3030H – Germanic linguistics

A survey of the origin and diversification of the Germanic family of languages, including the earliest forms: Gothic, Norse, Saxon, English, Frisian, Low Franconian, High German and their modern descendants. Phonological and grammatical diversification, socio-political context, the emergence of literary languages, and the birth of literary traditions. Prerequisite: MODL 1000Y (101) or 1002H. Excludes MODL – ANTH 303H.

FRENCH STUDIES SECTION

Dedicated to small group teaching, French Studies at Trent offers an array of courses on French language, Francophone cultures and literatures and linguistics. As a central feature, the year-abroad program in Nantes (France) gives students majoring in French an opportunity to develop and refine their knowledge of French in a European context.

Notes

- A 1000-level course in French Studies or a successful placement interview is a prerequisite for all upper-year courses in French Studies. See individual course descriptions for details.
- 60% or higher is required in any course if it is to serve as a prerequisite for another course in the program.
- Students who have fulfilled the requirements for a single-major Honours degree in another subject may apply to the Office of the Registrar for a minor in French Studies, if they have met the requirements for the joint-major General degree (see below).
- Students participating in the Year Abroad program in French during their third year of study may take FREN – CAST 3230Y (325) or FREN – CAST 3830Y (383) in their fourth year as fourth-year courses (FREN – CAST 4230Y (426) or FREN – CAST 4830Y (483)). This will involve added course

requirements and a higher expected level of performance than students taking these courses in their regular form. Students must apply for this option to the chair of the department of Modern Languages & Literatures upon their return from Nantes.

BACHELOR OF ARTS PROGRAM IN FRENCH STUDIES

- See [p. 28](#) for requirements which apply to all undergraduate degree programs.
- The same course may not simultaneously satisfy the requirements of both programs in a joint-major degree.
- FREN 1000Y (100), 1001H, 1002H, 2000Y, 2001H, 2002H, 3000Y are not credited toward the major requirements for French Studies.
- For the Specialization in Québec Studies, see below.

The single-major Honours program. 20.0 credits including the following 10.0 credits:

- 3.0 FREN credits consisting of FREN 1100Y (110), 2150Y (215) and 2450Y (245)
- 1.0 FREN credit from FREN 3170Y (317), 3180Y (318), 3190Y (319) or 3200Y (320)
- 1.0 FREN credit from FREN – CAST 3230Y (325) or 3830Y (383)
- 5.0 FREN credits in addition to the above, 4.0 at the 4000-level

The joint-major Honours program. 20.0 credits including the following 8.0 credits:

- 3.0 FREN credits consisting of FREN 1100Y (110), 2150Y (215) and 2450Y (245)
- 1.0 FREN credit from FREN 3170Y (317), 3180Y (318), 3190Y (319) or 3200Y (320)
- 1.0 FREN credit from FREN – CAST 3230Y (325) or 3830Y (383)
- 3.0 FREN credits in addition, 2.0 at the 4000-level

The single-major General program. 15.0 credits including the following 6.0 credits:

- 3.0 FREN credits consisting of FREN 1100Y (110), 2150Y (215) and 2450Y (245)
- 1.0 FREN credit from FREN 3170Y (317), 3180Y (318), 3190Y (319) or 3200Y (320)
- 1.0 FREN credit from FREN – CAST 3230Y (325) or 3830Y (383)
- 1.0 FREN credit in addition to the above

The joint-major General program. 15.0 credits including the following 5.0 credits:

- 3.0 FREN credits consisting of FREN 1100Y (110), 2150Y (215) and 2450Y (245)
- 1.0 FREN credit from FREN 3170Y (317), 3180Y (318), 3190Y (319) or 3200Y (320)
- 1.0 FREN credit from FREN 3230Y (325) or 3830Y (383)

The minor in French consists of the following 5.0 credits:

- 3.0 FREN credits consisting of FREN 1100Y (110), 2150Y (215) and 2450Y (245)
- 1.0 FREN credit from FREN 3170Y (317), 3180Y (318), 3190Y (319) or 3200Y (320)
- 1.0 FREN credit from FREN 3230Y (325) or 3830Y (383)

SPECIALIZATION IN QUÉBEC STUDIES

A Specialization in Québec Studies is available to students. The transcripts of students graduating with a degree in French Studies who have successfully completed the requirements of the Specialization will contain the notation “with a Specialization in Québec Studies.”

Specialization Requirements include the following 3.0 credits:

- 3.0 FREN credits from FREN 2450Y (245), FREN – CAST 3230Y (325), 3830Y (383), or any 4000-level course on a Quebec subject (with permission of department chair)

YEAR ABROAD PROGRAM

Students in French Studies may apply to spend their second or third year of studies abroad, for which they will receive Trent credits. The Year Abroad program is offered at the University of Nantes, France. Prerequisite: FREN 1100Y (110) and a minimum average of 70% on all French courses at Trent (or equivalent). Honours candidates are especially encouraged to spend a year at Nantes. For further details, please consult the chair of Modern Languages.

Please consult the academic timetable, available through myTrent, for information on courses that will be offered in 2011–2012 including when they will be scheduled.

FREN 1000Y – Introduction to French

An intensive course in oral and written French for students who do not have 4U/M French or its equivalent. This course will rely on textual as well as on audio-visual and electronic support material. Not credited toward French major requirements. May not be taken concurrently with or subsequent to any other French course. Students judged by the instructor to be fluent in French may not receive credit for this course. Excludes FREN 100, 1001H, 1002H.

FREN 1001H – Introduction to French I

An intensive beginners' course in oral and written French for students who have limited or no knowledge of French. This course relies on textual as well as on audio-visual and electronic support material. Not credited toward French major requirements. Excludes FREN 1000Y (100). Students judged by the instructor to be fluent in French may not receive credit for this course. (Offered only in Oshawa.)

FREN 1002H – Introduction to French II

An intensive course in oral and written French for students who have completed FREN 1001H. This course relies on textual as well as on audio-visual and electronic support material. Not credited toward French major requirements. Prerequisite: FREN 1001H. Students judged by the instructor to be fluent in French may not receive credit for this course. Excludes FREN 1000Y (100). (Offered only in Oshawa.)

FREN 1091H – French studies preparation

An intensive course for students who wish to prepare for FREN 1100Y. It provides an opportunity to improve on listening comprehension while developing reading comprehension skills through current events and poetry as well as strengthening writing skills. Prerequisite: 4 U/M French or permission of instructor.

FREN 1100Y – Introduction to French literary studies

First course required of all French majors. Study of literary genre and textual analysis using works from both French and Quebec literatures. Complete review of French grammar. Prerequisite: 4 U/M French or permission of instructor. Excludes FREN 110.

FREN 2000Y – Intermediate French

This course will focus on developing functional oral and written skills through the use of multi-media resources and different types of communicative situations. Prerequisite: French 4U/M or FREN 1000Y (100). Not credited towards French major requirements. (May not be taken concurrently with, or following, FREN 1100Y.) Prerequisite: a placement interview or 60% in FREN 1000Y (100). Excludes FREN 101H, 105, 201H, 2001H, 2002H.

FREN 2001H – Intermediate French I

An intensive course in oral and written French particularly geared to students who have taken FREN 1000Y or 1002H, but equally open to students of intermediate level who recognize the need for a systematic acquisition/review of grammar in order to develop both their oral and written skills. Not credited toward French major requirements. Prerequisite: FREN 1000Y (100) or 1002H or permission of instructor. Excludes FREN 2000Y, 105. (Offered only in Oshawa.)

FREN 2002H – Intermediate French II

A continuation of FREN 2001H. Not credited toward French major requirements. Prerequisite: FREN 2001H or permission of instructor. Excludes FREN 2000Y, 105. (Offered only in Oshawa.)

FREN 2150Y – Texts and linguistic context / Texte et contexte linguistique

Thorough review of grammar from the noun to the tenses with an introduction to French linguistics and literary works. Fundamentals of French phonology (pronunciation and spoken French melody) will be explored to correct mispronunciation. Prerequisite: FREN 1100Y (110). Excludes FREN 215.

FREN 2450Y – French and Quebec civilizations / Civilisations française et québécoise

A survey of the social and cultural histories of France and Quebec from the 17th century to the present. Prerequisite: FREN 1100Y (110). Excludes FREN 245.

FREN 3000Y – Advanced French

Study and practice of oral and written French through a variety of comprehension exercises as well as compositions. Online resources will be used. This course is based on a communicative approach. It aims at improving student fluency through oral and written production as well as group discussions. Not credited towards French major requirements. Prerequisite: a placement interview or 60% in FREN 2000Y. Excludes FREN 205.

FREN 3050Y – Translation / Traduction

Theory and practice of the techniques of translation. Prerequisite: FREN 1100Y (110), 2150Y (215), or 205. Excludes FREN 305.

FREN 3150Y – Linguistics and stylistics / Linguistique et stylistique

A thorough study of grammatical, linguistic and phonetic notions as learned in FREN 2150Y. The course will focus on the complex sentence, verb tenses concordance, and elements of stylistics and semantics in order to improve the student's writing competence. Prerequisite: FREN 2150Y (215).

FREN 3170Y – Life and literature in 17th-century France / La vie littéraire française au 17e siècle

"Le Grand Siècle" and the culmination of Classical Theatre. Study of Baroque and Classicism in theatre, poetry, novels and epistolary art. Pre- or co-requisite: FREN 2450Y (245). Excludes FREN 317.

FREN 3180Y – Life and literature in 18th-century France / La vie littéraire française au 18e siècle

The "Siècle des Lumières" is marked by the renewal of philosophy and political revolution. This course will examine representations of these movements in novels, poetry and theatre of the 18th century. Pre- or co-requisite: FREN 2450Y (245). Excludes FREN 318.

FREN 3190Y – Life and literature in 19th-century France / La vie littéraire française au 19e siècle

Literary life in the 19th century from the Romantic period to the Naturalist project. Pre- or co-requisite: FREN 2450Y (245). Excludes FREN 319.

FREN 3200Y – Life and literature in 20th-century France / La vie littéraire française au 20e siècle

Modern and contemporary trends in literature: Poetry, novels, theatre. Pre- or co-requisite: FREN 2450Y (245). Excludes FREN 320.

FREN – CAST 3230Y – Quebec theatre and poetry / Théâtre et poésie du Québec

A survey of the beginnings and evolution of Quebec theatre and poetry, concentrating on modern and contemporary works. Pre- or co-requisite: FREN 2450Y (245). Excludes FREN – CAST 325, 426.

FREN 3305Y – French thought / La pensée française

Introduction to 18th-century French philosophers. Excludes FREN 331. (Offered only in Nantes.)

FREN – HIST 3505Y – French civilization / La civilisation française

A survey of the history of France from pre-historical times to the present. Excludes FREN – HIST 351. (Offered only in Nantes).

FREN – CAST 3830Y – The Quebec novel / Le roman québécois

A survey of the Quebec novel, from the "terroir" novel to the Quiet Revolution and the many facets of contemporary fiction. Pre- or co-requisite: FREN 2450Y (245). Excludes FREN – CAST 383, 4830Y (483).

FREN 4010Y – Introduction to literary research / Initiation à la recherche littéraire

Supervised research. Single credit course. 12,000 word thesis. Prerequisite: completion of 5.0 credits required for the major with a minimum of 60% in each or permission of department. Candidates must submit a written proposal to the chair of Modern Languages before May 1 of the preceding academic year. Excludes FREN 401, 402D.

FREN 4020D – Advanced literary research / Recherche littéraire avancée

A double credit. Supervised research. 20,000 word thesis. Candidates must submit a written proposal to the chair of Modern Languages before May 1 of the preceding academic year. Prerequisite: completion of 5.0 credits required for the major with a minimum of 60% in each or permission of department. Excludes FREN 401, 402D.

FREN 4150Y – Discourse analysis / L'analyse du discours

A thorough study of grammatical notions as learned in FREN 3150Y. The course will focus on the complex sentence, verb tenses concordance, elements of stylistics and semantics, and phonetics and phonology, with a strong emphasis on the discourse analysis of the francophone literature. Prerequisite: FREN 3150Y and completion of 5.0 credits required for the major with a minimum of 60% in each or permission of department. Excludes FREN 405.

FREN 4200Y – Literary criticism / La critique littéraire

This course will examine the various methods of literary criticism and will study relevant critical texts by French writers and literary critics. Prerequisite: completion of 5.0 credits required for the major with a minimum of 60% in each or permission of department. Excludes FREN 420.

FREN – CAST 4230Y – Advanced study of Quebec theatre and poetry / Étude approfondie du théâtre et de la poésie du Québec

A survey of the beginnings and evolution of Quebec theatre and poetry, concentrating on modern and contemporary works. Open only to students who have participated in the Year Abroad program in French during the preceding academic year. Prerequisite: completion of 5.0 credits required for the major with a minimum of 60% in each or permission of department. Excludes FREN – CAST 325, 426.

FREN 4500Y – Advanced study of Quebec literature / Étude approfondie de la littérature québécoise

Every year, this course will focus on a specific topic linked to Quebec literature and will consist of the advanced study of the corpus based on relevant literary terminology. Prerequisite: completion of 5.0 credits required for the major with a minimum of 60% in each, or permission of department. Excludes FREN 450.

FREN 4600Y – Women's first person narratives / L'écriture de soi au féminin

The exploration of the literature of the self through the study of 20th-century women's writing. Prerequisite: completion of 5.0 credits required for the major with a minimum of 60% in each or permission of department. Excludes FREN 460.

FREN – CAST 4830Y – Advanced study of the Quebec novel / Étude approfondie du roman québécois

A survey of the Quebec novel, from the "terroir" novel to the Quiet Revolution and the many facets of contemporary fiction. Open only to students who have participated in the Year Abroad program in French during the preceding academic year. Prerequisite: completion of 5.0 credits required for the major with a minimum of 60% in each or permission of department. Excludes FREN – CAST 3830Y (383), 483.

FREN 4951Y – Special Topic: Paris-Detroit – Demolishing the past

This course will link the ongoing demolitions of the Detroit urban core to the systematic demolitions that were planned in Paris between 1850 and 1860. It will show how these changes made Paris the tourist Mecca that it is today while turning Detroit into an urban desert. Prerequisite: completion of 5.0 credits required for the major with a minimum of 60% in each or permission of department.

GERMAN STUDIES SECTION

German Studies includes three major areas: the study of language; the study of the cultural heritage of the German-speaking countries; and the study, in the original language, of the great literary heritage of the German-speaking world. German Studies in its different aspects can be of great benefit to students in such different disciplines as Business Administration, Ancient History & Classics, Economics, English Literature, French Studies, Political Studies, Philosophy, Cultural Studies and the Social and Natural Sciences.

Notes

- Students who have passed a placement test may enrol in GRMN 3020H.
- Students who have fulfilled the requirements for a single-major Honours degree in another subject may apply to the Office of the Registrar for a minor in German Studies, if they have met the requirements for the joint-major General degree (see below).

BACHELOR OF ARTS PROGRAM IN GERMAN STUDIES

- See [p. 28](#) for requirements which apply to all undergraduate degree programs.
- The same course may not simultaneously satisfy the requirements of both programs in a joint-major degree.
- Two half-credits in courses taught in English (GRMN 2320H, 2330H) may be credited towards the major requirements for German Studies.
- Students in GRMN 1000Y and 2000Y are strongly encouraged to participate in the "Grammar Workshop for Language Students" offered by the Academic Skills Centre. Students will receive bonus points for perfect attendance.

The single-major General program. 15.0 credits including the following 6.0 credits:

- 1.0 GRMN credit consisting of GRMN 1000Y (100) or 1001H and 1002H
- 1.0 GRMN credit consisting of GRMN 2000Y (200) or 2001H and 2002H
- 1.5 GRMN credits consisting of GRMN 3020H (302H), 3050H (305H) and 3060H (306H)
- 1.5 GRMN credits at the 3000-level in GRMN literature courses
- 1.0 GRMN credit in addition to the above

The joint-major General program. 15.0 credits including the following 5.0 credits:

- 1.0 GRMN credit consisting of GRMN 1000Y (100) or 1001H and 1002H
- 1.0 GRMN credit consisting of GRMN 2000Y (200) or 2001H and 2002H
- 1.5 GRMN credits consisting of GRMN 3020H (302H), 3050H (305H) and 3060H (306H)
- 0.5 GRMN credit at the 3000-level in a GRMN literature course
- 1.0 GRMN credit in addition to the above

The minor in German consists of the following 5.0 credits:

- 1.0 GRMN credit consisting of GRMN 1000Y (100) or 1001H and 1002H
- 1.0 GRMN credit consisting of GRMN 2000Y (200) or 2001H and 2002H
- 1.5 GRMN credits consisting of GRMN 3020H (302H), 3050H (305H) and 3060H (306H)
- 0.5 GRMN credit at the 3000-level in a GRMN literature course
- 1.0 GRMN credit in addition to the above

Please consult the academic timetable, available through myTrent, for information on courses that will be offered in 2011–2012 including when they will be scheduled.

GRMN 1000Y – Introduction to German

Designed for students with little or no knowledge of German, this course provides an introduction to spoken and written German through intensive teacher-student contact and interaction in small groups, as well as an introduction to present-day Germany. Not open to students with 4U German or equivalent or those judged by the instructor to be fluent in German. Excludes GRMN 100, 1001H, 1002H.

GRMN 1001H – Introduction to German I

Designed for students with little or no knowledge of German, this course provides an introduction to spoken and written German through intensive teacher-student interaction and interaction in small groups, as well as an introduction to present-day Germany. Not open to students with 4U German or those judged by the instructor to be fluent in German. Excludes GRMN 1000Y (100). (Offered only in Oshawa.)

GRMN 1002H – Introduction to German II

A continuation of GRMN 1001H, this course provides an introduction to spoken and written German through intensive teacher-student contact and interaction in small groups, as well as an introduction to present-day Germany. Not open to students with 4U German or those judged by the instructor to be fluent in German. Prerequisite: GRMN 1001H or permission of instructor. Excludes GRMN 1000Y (100). (Offered only in Oshawa.)

GRMN 2000Y – Intermediate German

Intermediate German language course with comprehensive grammar review and intensive language practice. Introduction to German literature and culture in the Winter term. Prerequisite: GRMN 1000Y or 1002H, Grade 12 German, 4U German or permission of instructor. Excludes GRMN 200, 2001H, 2002H.

GRMN 2001H – Intermediate German I

Intermediate German language course with comprehensive grammar review and intensive language practice. Prerequisite: GRMN 100 or 1002H or permission of instructor. Excludes GRMN 2000Y (200). (Offered only in Oshawa.)

GRMN 2002H – Intermediate German II

A continuation of GRMN 2001H, this course offers a comprehensive grammar review, language practice, and an introduction to German literature. Prerequisite: GRMN 2001H or permission of instructor. Excludes GRMN 2000Y (200). (Offered only in Oshawa.)

GRMN 2210H – German literature of the 19th century in translation

Taught in English. An introduction to German literature of the 19th century. Authors studied will include Johann Wolfgang von Goethe, Friedrich Schiller, Heinrich von Kleist, E. T. A. Hoffmann, Conrad Ferdinand Meyer, Adalbert Stifter, Gottfried Keller and Rainer Maria Rilke. Excludes GRMN 221H.

GRMN 2220H – German literature of the 20th century in translation

Taught in English. An introduction to German literature of the 20th century. Authors studied will include Thomas Mann, Robert Musil, Franz Kafka, Hermann Hesse, Bertolt Brecht, Heinrich Böll, Günter Grass and Elfriede Jelinek. Excludes GRMN 222H.

GRMN 2320H – German cultural history I

Taught in English. A survey of the culture and society of German-speaking countries from their origins to the French Revolution, including literature, music, art, architecture and political and scientific history, with the use of films, slides and music. May be counted towards a major in German. (See note concerning courses taught in English credited towards the major.) Excludes GRMN 231, 232H.

GRMN 2330H – German cultural history II

Taught in English. A survey of the culture and society of German-speaking countries from the French Revolution to the present, including literature, music, art, architecture and political and scientific history. GRMN 232H desirable. May be counted towards a major in German. (See note concerning courses taught in English credited towards the major.) Excludes GRMN 231, 233H.

GRMN 2400H – Freud's Vienna from the Habsburgs to Hitler

Taught in English. An examination of a society in decline and its important contributions in its music, painting, architecture and intellectual life to the shaping of the modern mind, with the use of videos, slides and music. Open to all students. May be counted towards a major in German. (See note concerning courses taught in English credited towards the major).

GRMN 3020H – Advanced German I

Written and oral language practice and introduction to the more advanced aspects of German grammar, such as the subjunctive. Prerequisite: GRMN 2000Y (200) or 2002H or permission of instructor. Excludes GRMN 302H.

GRMN 3050H – Advanced German II

Special aspects of German grammar through written and oral exercises. Prerequisite: GRMN 3020H (302H) or permission of instructor. Excludes 305H.

GRMN 3060H – German literature and thought from Nietzsche to Brecht

An examination of the poetry, prose and drama of German Modernism in the European context, including works by Stefan George, Rainer Maria Rilke, Hugo von Hofmannsthal, Frank Wedekind, Georg Kaiser, Thomas Mann, Hermann Hesse, Robert Musil, Franz Kafka and Bertolt Brecht. Pre- or co-requisite: GRMN 3020H (302H) or permission of instructor. Excludes 306H.

GRMN 3100H – The Age of Enlightenment and "Sturm und Drang"

A study of the beginnings of modern German literature, with special attention to Gotthold Ephraim Lessing, Johann Wolfgang von Goethe, Johann Gottfried Herder and Friedrich Schiller. Pre- or co-requisite: GRMN 3020H (302H) or permission of instructor. Excludes 310H.

GRMN 3140H – Studies in German Romanticism in the European context

An examination of the literary and philosophical works of German Romanticism between 1789 and 1835. Authors studied will include Achim and Bettina von Arnim, Clemens Brentano, E. T. A. Hoffmann, Annette von Droste-Hülshoff, Joseph Eichendorff, Karoline von Günderode, Heinrich von Kleist, Novalis, A. W. Schlegel, Friedrich Schlegel and Ludwig Tieck. Pre- or co-requisite: GRMN 3020H (302H) or permission of instructor. Excludes GRMN 314H.

GRMN 3300H – The German Novelle and Erzählung of the 19th and 20th centuries

An examination of short fiction in German from the era of Romanticism to the present day. Authors studied will include Joseph Eichendorff, Heinrich von Kleist, Conrad Ferdinand Meyer, Gottfried Keller, Franz Kafka, Robert Musil, Thomas Mann, Heinrich Böll and Günter Grass. Pre- or co-requisite: GRMN 3020H (302H) or permission of instructor. Excludes GRMN 330H.

HISPANIC STUDIES SECTION

Hispanic Studies offers a variety of courses in Spanish language and Hispanic literature, culture and civilization. Language-learning activities are varied, ranging from formal instruction to conversation classes, language labs and computer programs. The emphasis is on skill development and communication, right from the beginning, in preparation for the subsequent courses in literature, culture and civilization.

Notes

- Students with sufficient knowledge of Spanish may be admitted directly into HSST 2500Y and 3150Y or they may take civilization and literature courses exclusively. A placement interview is required.
- Students who have fulfilled the requirements for a single-major Honours degree in another subject may apply to the Office of the Registrar for a minor in Hispanic Studies, if they have met the requirements for the joint-major General degree (see below).

THE BACHELOR OF ARTS IN HISPANIC STUDIES

- See [p. 28](#) for requirements which apply to all undergraduate degree programs.
- The same course may not simultaneously satisfy the requirements of both programs in a joint-major degree.
- Students in the Hispanic Studies program, for whom one or more of the language course prerequisites have been waived, must still comply with the minimum number of required credits in their program.
- It is strongly recommended that students in Hispanic Studies take MODL 1000Y (101), or MODL 1001H and MODL 1002H, MODL – ANTH 3020H (302H) (see course listings above under Modern Languages & Literatures) and courses in at least one other modern language.

The single-major Honours program. 20.0 credits including the following 10.0 credits:

- 1.0 HSST credit from HSST 1000Y (100), or 1001H and 1002H, or 2000Y (200), or 2001H and 2002H
- 4.0 HSST credits consisting of HSST 2500Y (250), 2950Y (295), 3000Y (300) and 3150Y (315)
- 5.0 HSST credits in addition to the above

The joint-major Honours program. 20.0 credits including the following 7.0 credits:

- 1.0 HSST credit from HSST 1000Y (100), or 1001H and 1002H, or 2000Y (200) or 2001H and 2002H
- 4.0 HSST credits consisting of HSST 2500Y (250), 2950Y (295), 3000Y (300) and 3150Y (315)
- 2.0 HSST credits in addition to the above

The single-major General program. 15.0 credits including the following 6.0 credits:

- 1.0 HSST credit from HSST 1000Y, or 1001H and 1002H, or 2000Y (200), or 2001H and 2002H
- 4.0 HSST credits consisting of HSST 2500Y (250), 2950Y (295), 3000Y (300) and 3150Y (315)
- 1.0 HSST credit in addition to the above

The joint-major General program. 15.0 credits including the following 5.0 credits:

- 1.0 HSST credit from HSST 1000Y (100), or 1001H and 1002H, or 2000Y (200), or 2001H and 2002H
- 4.0 HSST credits consisting of HSST 250, 295, 300 and 315

The minor in Hispanic Studies consists of the following 5.0 credits:

- 1.0 HSST credit from HSST 1000Y (100), or 1001H and 1002H, or 2000Y (200), or 2001H and 2002H
- 4.0 HSST credits consisting of HSST 250, 295, 300 and 315

Please consult the academic timetable, available through myTrent, for information on courses that will be offered in 2011–2012 including when they will be scheduled.

HSST 1000Y – Introduction to Spanish

An introduction to the Spanish language, with an emphasis on oral Spanish, pronunciation, reading and writing as a preparation for HSST 2500Y (250) (required course for Spanish majors) and HSST 2000Y (200). Students judged by the instructor to be fluent in Spanish may not receive credit for this course. Excludes HSST 100, 1001H, 1002H.

HSST 1001H – Introduction to Spanish I

An introduction to understanding, speaking, reading and writing designed for students who have limited or no knowledge of the language. The goal of the course is to encourage students to work towards developing control of everyday vocabulary and basic forms and constructions. Students judged by the instructor to be fluent in Spanish may not receive credit for this course. Excludes HSST 1001H (100). (Offered only in Oshawa.)

HSST 1002H – Introduction to Spanish II

Builds on the knowledge gained in HSST 1001H and continues to encourage students to work towards developing control of everyday vocabulary and basic forms and constructions. As in HSST 1001H, the seminar activities stress a communicative approach, which is reinforced through written exercises. Prerequisite: HSST 1001H or permission of instructor. Students judged by the instructor to be fluent in Spanish may not receive credit for this course. Excludes HSST 1000Y (100). (Offered only in Oshawa.)

HSST 2000Y – Continuing Spanish

A language course with comprehensive review and practice, designed for students with advanced high-school credits or other previous exposure to the language. Prerequisite: HSST 1000Y (100) or 1002H or permission of department. Excludes HSST 200, 2001H, 2002H.

HSST 2001H – Continuing Spanish I

Designed for students who have completed HSST 1001H and HSST 1002H. It is also intended for students with prior knowledge of the Spanish language; this includes students who have completed at least two years of high-school Spanish and those who have learned Spanish in an unstructured way. Prerequisite: HSST 1000Y (100) or 1002H or permission of instructor. Excludes HSST 2000Y (200). (Offered only in Oshawa.)

HSST 2002H – Continuing Spanish II

Designed for students who have completed HSST 2001H. The goal of the course is to enrich the student's knowledge of Spanish with the introduction of advanced vocabulary, grammatical forms

and constructions. Prerequisite: HSST 2001H or permission of instructor. Excludes HSST 2000Y (200). (Offered only in Oshawa.)

HSST 2500Y – Intermediate Spanish

A comprehensive and more intensive course designed to help students attain significantly better control of their skills in listening, speaking, reading and writing Spanish. Prerequisite: 75% or better in HSST 1000Y (100) or 1002H; or HSST 2000Y (200) or 2002H; or permission of instructor. Excludes HSST 250.

HSST 2950Y – Spanish and Spanish-American civilization

Taught in Spanish and English. A study of civilization in the Hispanic world: history, political and economic issues, social development, artistic and cultural manifestations including architecture, literature, painting, film, music and folklore. Instruction in Spanish only. Prerequisite: 2000Y (200) or 2002H, or permission of instructor. Excludes HSST 295.

HSST 3000Y – Advanced Spanish and translation

A study of selected Spanish grammatical features related to composition and oral practice. Emphasis on the development of skills applied to translation from Spanish to English and English to Spanish. Prerequisite: HSST 2500Y (250) or permission of instructor. Excludes HSST 300.

HSST 3110H – Spanish contemporary prose

Prose from the generation of 1898 to our times. Pre- or co-requisite: HSST 3150Y (315). Excludes HSST 311H.

HSST 3120H – Spanish contemporary theatre and poetry

Since the generation of 1898. Theatre from Valle Inclán to Arrabal and poetry, with special emphasis on the generation of 1927. Pre- or co-requisite: HSST 3150Y (315). Excludes HSST 312H.

HSST 3150Y – Introduction to Hispanic literature and culture

An introduction to the study of Spanish and Spanish-American literatures. A multidisciplinary approach which combines aesthetic, social, political and historical analysis to gain a better understanding of the literary experience in the Hispanic world. Prerequisite: HSST 2500Y (250) or permission of instructor. Excludes HSST 290, 315.

HSST 3220H – Spanish-American poetry

A survey of Spanish-American poetry with special emphasis on the contemporary period. Poets to be studied include Pablo Neruda, César Vallejo, Nicolás Guillén, Nicanor Parra and Octavio Paz. Pre- or co-requisite: HSST 3150Y (315). Excludes HSST 322H.

HSST 3230H – Spanish-American prose

A survey of Spanish-American prose with special emphasis on the contemporary period. Pre- or co-requisite: HSST 3150Y (315). Excludes HSST 323H.

HSST 3260Y – The contemporary Latin-American novel: Adventure and commitment

Taught in English. This course involves a detailed socio-literary study of selected works by prominent Latin-American writers. Excludes HSST 326.

HSST 3300Y – Spanish literature of the Golden Age

An introduction to the literature and thought of the Renaissance and Baroque periods based on selected authors and topics. Pre- or co-requisite: HSST 3150Y (315). Excludes HSST 330.

HSST 4010Y – Honours thesis

Honours seminar leading to the completion of an undergraduate thesis, with emphasis on research methods and literary criticism. Theme to be chosen in consultation with instructor.

HSST 4150H – History of the Spanish language

An historical survey of the formation and development of the Spanish language from pre-literary times to the present day. Excludes HSST 415H.

HSST 4160H – Medieval Spanish literature

Studies of the Spanish literature from El Cid (12th century) to La Celestina (end of the 15th century). Excludes HSST 416H.

HSST 4200Y – Contemporary Spanish-American novel

From Modernity to post-modernity: Narrative structure and world view. Structural analysis of selected texts and a study of the intertextual relationships between these texts and the socio-cultural discourses which generate them. Authors to be studied include Gabriel García Márquez, Carlos Fuentes, Mario Vargas Llosa, Isabel Allende et al. Prerequisite: HSST 3230H (323H) or permission of instructor. Excludes HSST 420.

HSST 4500Y – Advanced Spanish and composition

Development of grammatical and compositional skills to the advanced level where a student has mastery of the various forms of Spanish prose writing. Prerequisite: HSST 3000Y (300).

HSST 4900Y, 4901H – Reading course

Permission of the department is required.

Nursing

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Dean of Trent/Fleming School of Nursing

To be named

Collaborative B.Sc.N. Program Coordinator (Fleming)

M. Westland, R.N., B.Sc.N. (Ryerson), M.N. (Toronto)

Compressed B.Sc.N. Program Coordinator

A. Mowry, R.N., B.Sc.N. (UBC), M.N. (Saskatchewan)

Post PN Bridge to B.Sc.N. Pathway Coordinator

C. Anyinam, R.N., B.Sc.N., M.Sc. (McMaster)

Associate Professors

I. Brenner, R.N., B.Sc., B. Phys. Ed., B.Sc.N. (Toronto), M.Sc. (Queen's), Ph.D. (Toronto); **J. Rush**, R.N., B.Sc.N., M.H.Sc. (McMaster), Ph.D. (Toronto)

Assistant Professor

M. McIntosh, R.N., B.Sc.N., M.Sc.N. (Toronto), Ph.D. (Alberta); **J. Mackie**, M.Sc., Ph.D. (Queen's)

Lecturers

C. Gilmer, R.N., B.Sc.N. (Western), M.H.Sc. (Wagga Wagga, Australia); **C. Graham**, B.Sc.N. (McMaster), M.Sc. (Queen's); **S. White**, R.N., B.Sc.N. (Ryerson), M.N. (Athabasca)

Adjunct Faculty

M. Ferguson-Pare, R.N., B.Sc.N. (Toronto), M.P.H. (Minnesota), M.A., Ph.D. (Santa Barbara); **S. Matthews**, R.N., B.A. (York), M.H.Sc.N., D.P.H. (Wagga Wagga, Australia)

Fleming College Faculty Members

B. Cable-Williams, R.N., B.N.Sc. (Queen's), M.N. (Dalhousie); **K. English**, R.N., B.Sc.N. (Ryerson), M.N. (Toronto); **L. Grightmire**, R.N., B.Sc.N. (Ryerson), M.Sc.N. (Western), Ed.D. (Toronto); **A. Macleod**, R.N., B.Sc.N. (McGill), M.P.H. (Michigan); **P. Tracey**, R.N., B.Sc.N. (Ryerson), M.H.Sc. (Athabasca)

The Bachelor of Science in Nursing program at Trent University is a direct-entry professional degree program with a limited number of student places. The program leads to a Bachelor of Science in Nursing degree (B.Sc.N.). The program offers two streams of study – a collaborative program and a compressed (second entry) program.

The compressed program is open to students with previous degrees or sufficient University courses or equivalents. An integrated, collaborative four-year program, with an option that allows completion in three and a half years, is offered with Fleming College for students entering with appropriate high school credits or equivalent. Opportunities for practical application of theoretical principles are offered throughout the programs. Each level of the program has a specific focus for theory and practice around wellness, illness, community, specialized and complex care issues. Clinical placements are selected to allow students exposure to a variety of care delivery environments as they learn the complexities of caring for individuals, families, groups and communities. Students have the opportunity to request, subject to availability and agency requirements, specialized placements and/or to develop a specific focus with the elderly, aboriginal communities, rural communities and women's health as examples, and are involved in care across the lifespan.

NOTE: A minimum of 20 business days prior to the start of each semester, students must have submitted documentation satisfactory to the School of Nursing for all non-academic requirements and must be registered in the clinical course and any co-requisite course. Students not in compliance with this expectation will be ineligible for clinical practice, and related co-requisite NURS courses, in that semester. Theoretical and practicum opportunities demand a holistic approach to care delivery, recognizing that the nurse must assess the needs of the client, plan, provide and evaluate care, and advocate for quality health care for each client group. Various teaching methods are used in the programs including lectures, labs, seminars, case studies, simulations, virtual clinical excursions and online learning.

Trent does not offer an R.N. to B.Sc.N. program. Individuals holding current registration as an R.N. (or equivalent) with the College of Nurses of Ontario, any other Canadian nursing regulatory body, or internationally, are not eligible for admission to the School of Nursing. Nor are individuals eligible for admission if they already hold a B.Sc.N. (or equivalent) degree. In addition, the program is not

structured to support the admission of individuals who have completed physician education in Canada or internationally. Individuals registered with the College of Nurses of Ontario and pursuing a Bachelors degree at Trent in a subject other than Nursing may apply to the Dean of the School of Nursing for admission to a 4000-level NURS advanced topics course, subject to seat availability.

RPNs seeking entry to the program must be registrants in good standing and without practice restrictions with the College of Nurses of Ontario.

Admission Requirements

A high school diploma including six Ontario 4U or 4M credits (or equivalent) including English (ENG4U minimum 70% required) and one 4U credit in each of Biology, Chemistry and Mathematics each with a grade not less than 65% are required for admission. Students must possess a minimum average of 70%, including the required courses, to be considered for acceptance into the program. For the compressed program, qualified students will have previously completed some or all of a post-secondary degree with a minimum average of 70% and will have completed PSYC 1010Y (101) or 1020H (102H) and 1030H (103H) or an approved equivalent (minimum grade of 60%), will have completed at least 2.0 credits at the 1000-level and 1.0 credit at the 2000-level. Students intending to enter the compressed stream should consult with the School of Nursing for admission assessment and course planning.

All successful applicants will be required to obtain, through the process established by the School of Nursing, a Criminal Record Check, Vulnerable Sector; to be renewed annually. Please note that a student with a criminal record that is unacceptable to a clinical placement(s) will not be able to complete the program.

In addition, all successful applicants will be required to obtain and submit the following documentation not less than 20 business days prior to the start of the semester in which each clinical practice rotation occurs:

- Medical documentation re. Health Status and Immunization Records
- Full Hepatitis B Immunization
- Current CPR Certification (within the past 12 months) from a provider satisfactory to the School of Nursing
- Two-step TB tests or clearance
- Mask Fit testing
- Annual influenza vaccination is strongly recommended. Students who elect not to be immunized may not be accepted by a clinical practice agency for placement.

Application Procedure

Applications for the four-year collaborative program are to be submitted to:

Ontario Universities' Application Centre

Institution: Trent University

Program Code: RCN

Program Title: Nursing (Joint Trent-Fleming B.Sc.N. program)

Applications for the compressed program for non-Trent students are to be submitted to:

Ontario Universities' Application Centre

Institution: Trent University

Program Code: RFN

Program Title: Nursing Compressed Stream (Trent University B.Sc.N. program)

Internal application by current Trent students should be made through the Office of the Registrar using the online application through myTrent.

Candidates who are requesting to transfer from another nursing program must complete the Nursing Transfer Protocol of the Office of Admissions. Potential transfer students must provide written consent for Trent University to seek information about the student's academic and clinical performance in his/her previous program(s).

Revisions to requirements for the B.Sc.N. degree in Nursing

The B.Sc.N. programs have introduced revisions to degree requirements. The requirements for the B.Sc.N. programs are set out below.

BACHELOR OF SCIENCE IN NURSING PROGRAM

- See [p. 28](#) for requirements which apply to all undergraduate degree programs.
- There is no joint-major program in Nursing.
- There is no minor in Nursing.
- There is no general program in Nursing.
- A maximum of 3.0 credits with D grades (50-59%) can be counted toward the B.Sc.N. degree. These cannot be in Nursing or designated required courses, including the course selected for the third year 'forced choice' requirement.
- A minimum completed for credit average of 65% is required at graduation for the B.Sc.N. degree.
- All degree requirements must be met within seven years of admission to the program.

Nursing practice experiences are graded on a pass/fail basis. For courses that have both clinical and lab components, students must pass both components in order to pass the entire course.

Students will be allowed to re-take one Nursing theory course for which they have received grade lower than 60%. Failure to raise this grade to 60% or better will result in withdrawal from the B.Sc.N program but not from the University. Students who receive a second grade lower than 60% in a Nursing theory course will not be allowed to repeat that course and will be withdrawn from the B.Sc.N. program but not from the University.

- Students will be allowed to re-take one failed Nursing practice course over the duration of the program. A second failing grade in a Nursing practice course (either a repeated or different practice course) will result in withdrawal from the B.Sc.N. program but not from the University.
- Students must meet all competencies outlined in theory and practice courses to meet standards for entry to practice.
- Attendance at learning centre sessions, orientation to clinical practice, and clinical practice is mandatory. Failure to attend learning centre sessions or clinical practice may result in a failing grade. Failure to attend orientation will result in the student being removed from the clinical practice course, and any related classroom co-requisites, for that semester.
- Unsafe or unprofessional nursing practice is considered to be professional misconduct. Please see the School of Nursing Student Handbook for details related to the policy on Professional Conduct.
- Students transferring into the program from another university or community college will have their transcripts assessed by the Office of the Registrar for course credit transfer. Students transferring into the program from another Trent or Fleming department or program should consult with the School of Nursing to confirm their course of study.
- "C" suffix identifies a course which is equal to 1.5 credits.
- For students who have completed the George Brown College Post-PN Bridging Pathway to the B.Sc.N. and are entering the School of Nursing on or after January 2010: The GBC bridging program leading to an Honours degree in Nursing (B.Sc.N.) consists of 20.0 credits, with at least 12.0 credits in Nursing. Credits noted as advanced standing (up to 7.0 of 20.0 for RPN and bridge courses combined) are awarded, subject to successful completion of the two-year community college PN program and the approved Post-PN Bridge courses.

FOR STUDENTS ENTERING THE SCHOOL OF NURSING ON OR AFTER SEPTEMBER 2009

In all B.Sc.N. programs, students are required to take at least 0.5 credit from each of the advanced topics groupings listed below:

- Advanced Topic Group 1: NURS 4100H, 4101H, 4102H, 4103H, 4105H, 4106H, 4108H, NURS – ERSC/ERST – INDG 4740Y
- Advanced Topic Group 2: NURS 4200H, 4201H, 4203H, 4204H, 4205H, 4207H NURS – ERSC/ERST – INDG 4740Y
- A maximum of 1.5 credits from NURS Advanced Topics may be counted towards the B.Sc.N. degree

Collaborative Program

The four-year collaborative program leading to an Honours degree in Nursing (B.Sc.N.) consists of 20.0 credits, with at least 11.5 credits in NURS. The program must include:

Year 1

- 2.0 NURS credits consisting of NURS 1000H, 1001H, 1002H, 1020H
- 2.0 credits consisting of NURS 1050H, 1051H, BIOL – CHEM 1550H, PSYC 1020H (102H)
- 1.0 credit elective at the 1000-level

Students will be introduced to the profession of nursing through courses addressing health at the individual level, healthy aging and the basic concepts in professional practice. This initial exploration of nursing is supported by science course relevant to nursing and electives of the student's choice. Students will be encouraged to develop a focus in an area of interest and to pursue electives within that focus.

Year 2

- 2.5 NURS credits consisting of NURS 2000H, 2001H, 2003H, 2020H, 2021H
- 0.5 credit consisting of one of NURS 2030H or PSYC 2016H
- 1.0 credit consisting of BIOL – CHEM 2550H, PSYC 1030H (103H)
- 1.0 credit elective at the 1000-level

Students will focus on community health, developing specific knowledge regarding the impact of illness on families and of communities at large, and on the further development of knowledge in sciences relevant to the practice of nursing. Continued development of a specific area of focus will be encouraged.

Year 3

- 3.0 NURS credits consisting of NURS 3000H, 3001H, 3004H, 3020H, 3021H, 3030H
- 0.5 credit BIOL 3550H
- 0.5 credit consisting of one of BIOL – NURS 3560H, PHIL 2390H (239H), PSYC 3560H (384H), 3750H (343H)
- 1.0 credit elective beyond the 1000-level

Students will focus on aspects of illness, both acute and chronic. Nursing courses and practice address concepts of illness, the patho-physiology underlying disease conditions and related nursing and health care interventions. Continued development of a specific area of focus will be encouraged.

Year 4

- 1.5 NURS credits consisting of NURS 4020C
- 1.5 NURS credits consisting of one of NURS 4021C or 4022C
- 0.5 NURS credit from one of Advanced Topics Group 1
- 0.5 NURS credit from one of Advanced Topics Group 2
- 1.0 credit elective beyond the 2000-level

Students focus extensively on integrating knowledge and skills to become novice professionals. Clinical practice settings are chosen in consultation with the student to allow exploration of areas of interest, where possible and subject to the student meeting established requirements. Nursing and other electives further the development of specific areas of focus related to clinical practice choices.

Compressed Program

The compressed program leading to an Honours degree in Nursing (B.Sc.N.) consists of 20.0 credits with at least 11.5 credits in Nursing. 1.0 credit consisting of PSYC 1010Y (101) or PSYC 1020H (102H) and 1030H (103H) or approved equivalent is required (minimum grades of 60%). Students will normally have a minimum of an additional 2.0 1000-level elective credits and 1.0 2000-level elective credit. The program must include:

Year 1 (including Summer Session)

- 3.5 NURS credits consisting of NURS 1000H, 1001H, 1002H, 1020H, 2001H, 2003H, 2021H
- 0.5 credit consisting of one of NURS 2030H or PSYC 2016H
- 2.0 credits consisting of BIOL 1050H, 1051H, BIOL – CHEM 1550H, 2550H

Year 2 (including Summer Session)

- 5.5 NURS credits consisting of NURS 2000H, 2020H, 3000H, 3001H, 3004H, 3020H, 3021H, 3030H, 4020C
- 0.5 credit BIOL 3550H
- 0.5 credit consisting of one of BIOL – NURS 3560H, PHIL 2390H (239H), PSYC 3560H (384H), PSYC 3750H (343H)
- 1.0 credit elective beyond the 2000-level

Year 3 (Fall term)

- 1.5 NURS credits consisting of one of NURS 4021C or 4022C
- 0.5 NURS credit from one of Advanced Topics Group 1
- 0.5 NURS credit from one of Advanced Topics Group 2

FOR STUDENTS WHO ENTERED THE SCHOOL OF NURSING PRIOR TO SEPTEMBER 2009

The four-year collaborative program consists of 20.0 credits with at least 11.0 credits in NURS. The program must include:

Year 1

- 2.0 NURS credit consisting of NURS 100, 101H and 102H
- 2.5 credits consisting of BIOL 105, CHEM 1700H (155H) and PSYC 101
- 1.0 credit from ANTH 1000Y (100), INDG 1000Y (100), SOCI 100 or WMST 100

Students will be introduced to the study of nursing through courses addressing normal health and life of individuals across the lifespan. Courses in Nursing will focus on basic concepts at the root of nursing practice and introduce the student to Nursing's history and professional base. Arts and science courses will offer the student a broad base of knowledge in the physiological and sociological concepts of "normal" and "healthy" human beings.

Year 2

- 2.5 NURS credits consisting of NURS 200H, 201H, 202H, 203H and 204H
- 1.0 credit consisting of BIOL 2130H (213H) and 2140H (214H)
- 1.0 credit from PHIL 234 or from PHIL 238H and 2390H (239H)
 - 0.5 elective credit at the 1000- or 2000-level (100- or 200-level)

Students will focus on aspects of illness or "abnormality." Nursing courses and practice will address concepts of illness, the pathophysiology underlying disease conditions and the appropriate treatment thereof. Issues of legal and ethical import will be addressed. Students will be encouraged to develop a focus in an area of interest and to pursue electives within that focus.

Year 3

- 2.5 NURS credits consisting of NURS 300H, 301H, 302H, 303H and 304H
- 1.0 credit from NURS 305 or PSYC 2016H and 2017H (or 215)
- 0.5 credit consisting of PSYC 3560H (384H)
- 1.0 elective credit at the 2000- or 3000-level (200- or 300-level)

Students will address issues of family and the context of community care delivery. Students will develop knowledge of the impact of illness on families and the health of communities at large.

Community health and the care of families in transition will be a focus for the year through nursing courses and electives. Continued development of a focus at a third year level will be encouraged. Practice opportunities will become more independent and less faculty-directed.

Year 4 – Students who have taken at least one 400-level NURS course prior to Sept. 2009:

- 3.5 NURS credits consisting of NURS 400H, 402H, 403D and 404H
- 0.5 NURS credit from 4100H, 4101H, 4102H, 4103H, 4104H, 4105H, 4106H, 4108H, 4200H, 4201H, 4203H, 4204H, 4205H, 4206H, 4740Y
- 0.5 elective credit at 3000- (300-) level in the Fall session

Students are encouraged to become independent practitioners and functioning professionals. Choices in placement in the latter semesters and continued development of a body of knowledge of community health prepare the student for entry to the nursing profession. Further electives in areas of focus (advanced topics) will be consistent with practicum choices.

Year 4 – Students who have not taken at least one 400-level NURS course prior to Sept. 2009:

- 3.0 NURS credits consisting of NURS 402H, 403D and 404H
- 1.0 NURS credit from 4100H, 4101H, 4102H, 4103H, 4104H, 4105H, 4106H, 4108H, 4200H, 4201H, 4202H, 4203H, 4204H, 4205H, 4740Y
- 0.5 elective credit at 3000- (300-) level in the Fall session

Students are encouraged to become independent practitioners and functioning professionals. Choices in placement in the latter semesters and continued development of a body of knowledge of community health prepare the student for entry to the nursing profession. Further electives in areas of focus (advanced topics) will be consistent with practicum choices.

The 3-year compressed program consists of 20.0 credits with at least 11.0 credits in NURS. Students will normally have a minimum of 1.5 1000- (100-) level elective credits and 1.0 2000- (200-) level elective credits completed. The program must include:

Year 1 (including spring session)

- 3.5 NURS credits consisting of NURS 100, 101H, 102H, 200H, 203H and 204H
- 3.0 credits consisting of BIOL 105, 213H, CHEM 1700H (155H) and PSYC 1010Y (101; 1020H and 1030H)

Year 2 (including spring session)

- 3.5 NURS credits consisting of NURS 201H, 202H, 300H, 301H, 302H, 303H and 304H
- 1.0 credit from NURS 305 or PSYC 2016H and 2017H (or 215)
- 2.0 credits from BIOL 2140H (214H), PHIL 238H, 2390H (239H), PSYC 3560H (384H)

Year 3 – Students who have taken at least one 400-level NURS course prior to Sept. 2009:

- 3.5 NURS credits consisting of NURS 400H, 402H, 403D and 404H
- 0.5 NURS credit from NURS 4100H, 4101H, 4102H, 4103H, 4104H, 4105H, 4106H, 4108H, 4200H, 4201H, 4203H, 4204H, 4205H, 4206H, 4740Y
- 0.5 elective credit at 3000- (300-) level

Year 3 – Students who have not taken at least one 400-level NURS course prior to Sept. 2009:

- 3.0 NURS credits consisting of NURS 402H, 403D and 404H
- 1.0 NURS credit from NURS 4100H, 4101H, 4102H, 4103H, 4104H, 4105H, 4106H, 4108H, 4200H, 4201H, 4203H, 4204H, 4205H, 4206H, 4740Y
- 0.5 elective credit at 3000- (300-) level

Please consult the academic timetable, available through myTrent, for information on courses that will be offered in 2011–2012 including when they will be scheduled.

NURS 1000H – The individual as nurse

Introduction to the healthy individual and concepts relevant to nursing practice, including self as learner, stress and coping, inquiry and the meta-paradigms of nursing. Introduction to basic concepts in ethics (academic conduct), safety and professional practice (portfolio development). This course is open only to students enrolled in the B.Sc.N. program. Excludes NURS 100.

NURS 1001H – Nursing as a profession

Introduction to the history, image and structure of nursing focused on self regulation, organizations, healthy workplaces and emotional intelligence. Topics include ethics (professional conduct; accountability), introduction to inter-professional collaboration, the nurse-client relationship, and professional communication. This course is open only to students enrolled in the B.Sc.N. program. Excludes NURS 101H.

NURS 1002H – Introduction to foundational practice concepts

A focus on the older individual living with support. Core concepts include adaptation, dependence/independence, aging and end-of-life. Topics include ethics (autonomy, competence, consent, confidentiality, privacy), relational inquiry and therapeutic relationships. Prerequisite: A minimum of 60% in NURS 1000H and 1001H. Co-requisite: NURS 1020H. Excludes NURS 100.

NURS 1020H – Clinical practice in a residential setting

Practice course including learning centre activities (introduction to basic nursing skills and assessment), independent practice (a 4-visit series to a relatively-well other person) and group practice within a resident-centered long-term care home. Prerequisite: A minimum of four weeks prior to the start of the semester students must submit documentation satisfactory to the School of Nursing for all non-academic requirements. A minimum of 60% in NURS 1000H and 1001H. Co-requisite: NURS 1002H. Excludes NURS 100, 102H.

NURS 2000H – Health Promotion and Population Health

Examination of concepts relevant to practice with vulnerable community populations including social determinants of health, health promotion, population health, epidemiology and marginalization. Topics include ethical issues in community practice (POA, advanced directives, accessibility, equity), critical social theory, social justice, and environmental affects on health. Prerequisite: A minimum of 60% in all required NURS 1000-level courses. Co-requisite: NURS 2020H. Excludes NURS 300H.

NURS 2001H – The family in the community

Examination of concepts relevant to practice with families and caregivers in the community setting, including adaptation, communication, conflict, sexuality, violence and abuse. Topics include cultural practices and variations, ethical issues relations to reproduction and introduction to adult learning principles in the context of patient education. Prerequisite: A minimum of 60% in all required NURS 1000-level courses. Co-requisite: NURS 2021H. Excludes NURS 301H.

NURS 2003H – Nursing therapeutics and disease condition

A comprehensive survey of the patho-physiology underlying most common diseases seen in practice. Topics covered include diseases of the skeletal, nervous, endocrine, muscular, cardiovascular, respiratory, digestive, urinary, and reproductive systems. Prerequisite: A minimum of 60% in all required NURS 1000-level courses and a minimum of 60% in all of BIOL 1050H, 1051H, BIOL – CHEM 1550H, 2550H. Excludes NURS 203H.

NURS 2020H – Community based nursing practice

Practice course involving independent placement in a community setting (public health, clinics, agencies, schools). The student will explore a specific topic of interest related to health promotion or population health. Supported by Learning Centre activities relevant to practice in community including interviewing skills, immunization, and assessment (developmental, mental health, sexual). Prerequisite: A minimum of 60% in all required NURS 1000-level courses and PSYC 1020H (102H) or 1010Y (101). Co-requisite: NURS 2000H. Excludes NURS 302H.

NURS 2021H – Family focused practice

Group practice in a setting focused on families dealing with health transitions. Settings may include, for example, long-term care, mental health, public health or maternal/child. Supported by Learning Centre activities relevant to family-focused practice including breast feeding support, sexual health counselling, and assessment (cultural, prenatal, postnatal, neonatal). Prerequisite: A minimum of 60% in all required NURS 1000-level courses and BIOL – CHEM 1550H. Co-requisite: NURS 2001H. Excludes NURS 303H.

NURS 2030H – Introduction to nursing research

An introduction to methodological, statistical and computer techniques used in nursing research with an emphasis on descriptive data (quantitative and qualitative). Prerequisite: A minimum of 60% in all required NURS 1000-level courses. Excludes NURS 305.

NURS 3000H – Experiencing acute illness

Examination of the concepts relevant to practice with adults in a hospital setting experiencing acute illness. Focus on recognizing and responding to abnormal results and symptoms in selected disease processes and planned surgical interventions. Topics include safety (nosocomial infections, outbreaks, pandemic), and ethics (consequentialism, deontology, virtue ethics). Prerequisite: A minimum of 60% in all required NURS 2000-level courses. Co-requisite: NURS 3020H. Excludes NURS 200H, 201H.

NURS 3001H – Living with chronic disease

Examination of practice concepts related to hospitalized adults experiencing chronic or palliative disease processes. Focus on stress, crisis, anticipating care needs, planning/evaluation of care. Topics include: BPGs related to falls, skin integrity, restraints; ethics (end of life issues, euthanasia); clinical leadership practices (case coordination, groups, discharge planning, inter-professional relationships). Prerequisite: A minimum of 60% in all required NURS 2000-level courses. Co-requisite: NURS 3021H. Excludes NURS 200H, 201H.

NURS 3004H – The nurse as leader and advocate

Focus on the nurse's role in providing leadership and facilitating change in personal/ professional/ community contexts. Discussion and analysis of theories/ skills related to leadership/management/ change/organizations. At a beginning level students participate in development of health/social policy, explore advocacy/political action in the context of individual/societal change. Prerequisite: A minimum of 60% in all required NURS 2000-level courses. Excludes NURS 304H, 404H.

NURS 3020H – Clinical practice focused on acute care

Group practice in medical or surgical inpatient setting focused on the adult with acute illness. Supported by Learning Centre activities relevant to acute care practice including medication administration, sterile procedures, IV starts, IV pumps, mock codes and assessment (abdominal, glycemic status, neurological, pre-operative, post-operative, respiratory). Prerequisite: A minimum of 60% in all required NURS 2000-level courses. Co-requisite: NURS 3000H and BIOL 3550H. Excludes NURS 202H, NURS 204H.

NURS 3021H – Clinical practice focused on chronic disease management

Group practice in a hospital setting focused on chronic disease or palliative treatment. Practice settings: complex continuing care medicine, mental health, rehabilitation, palliative care, high acuity long term care. Learning Centre activities include medication administration, VAC treatments, feeding pumps, patient-controlled pumps and assessment of consciousness/orientation/pain). Prerequisite: A minimum of 60% in all required NURS 2000-level courses. Co-requisite: NURS 3001H and BIOL 3550H. Excludes NURS 202H, 204H.

NURS 3030H – Nursing research in practice

The application of methodological and techniques to quantitative and qualitative research, the discipline and its relationship to clinical practice with an emphasis on inferential and/or interpretive data. (NURS 2030H and 3030H (or 305) fulfill the Mathematics requirement for the B.Sc.N). Prerequisite: A minimum of 60% in NURS 2030H. Excludes NURS 305.

NURS – BIOL 3560H – Advanced pathophysiology and pharmacology

One of a series of forced choice options in the third year. A prerequisite for students wishing to do NURS 4022C. Seminar based course exploring in-depth the pathophysiology and related pharmacological approaches in a variety of selected disease processes. Prerequisite: A minimum of 60% in all required NURS 2000-level courses, excluding NURS 2003H; a minimum of 70% in each of NURS 2003H and BIOL 3550H and permission of department.

NURS 4010Y – Thesis

Seminar leading to the completion of an undergraduate thesis with emphasis on research methods linked to clinical practice. Specific topic to be defined in conjunction with the faculty advisor. Not offered in 2010-2011. Prerequisite: A minimum of 60% in all NURS 3000-level courses, a cumulative average after 15.0 credits of 75% and permission of department.

NURS 402H – Nursing in complex care environments

Nursing practice opportunities to address disruptions involving families posed with dilemmas in mental health, elder, child care or other complex issues. Teaching and health promotion opportunities for families and individuals or experiencing hospitalization for chronic illnesses. Prerequisite: 60% in all required 300-level NURS courses and in BIOL 213H. Excludes NURS 4020C.

NURS 4020C – Independent nursing practice A

Clinical practice to consolidate nursing practice competencies, integrating knowledge and skills. Using a theoretical approach that is relevant to the practice setting, students assume increasing responsibility for patient care assignments in a fully preceptored model. Prerequisite: A minimum of 60% in NURS 3000H, 3001H, 3004H, 3020H, 3021H, 3030H and BIOL 3550H and an overall average in credits contributing to the BScN degree of not less than 65%. Excludes NURS 402H.

NURS 4021C – Independent nursing practice B

Clinical practice to consolidate nursing practice competencies, integrating knowledge and skills. Using a theoretical approach that is relevant to the practice setting and working in a fully preceptored model, students assume responsibility for increasingly complex assignments as they progress to the novice level for baccalaureate graduates. Prerequisite: Successful completion of NURS 4020C. Excludes NURS 403D, 4022C.

NURS 4022C – Independent nursing practice C

Clinical practice to consolidate nursing practice competencies, integrating knowledge/skills in a critical care environment. Using a theoretical approach that is relevant to the practice setting and working in a fully preceptored model, students assume responsibility for increasingly complex assignments as they progress to the novice level for baccalaureate graduates. Prerequisite: Cumulative average of 70% in all courses required for the degree; minimum of 70% in NURS 2003H and BIOL – NURS 3560H; and permission of department. Successful completion of NURS 4020C. Excludes NURS 403D, 4021C.

NURS 403D – Independent nursing practice

Opportunity to consolidate nursing practice competencies in practice setting. Using a theoretical approach that is relevant to their practice focus, students will assume responsibility for complex assignments as they progress towards functioning as beginning entry level baccalaureate graduates. 2 credits. Prerequisite: 60% in all required 3000-level NURS courses, BIOL 213H and a Pass in NURS 402H. Excludes NURS 4021C, 4022C.

NURS 404H – Professional trends and issues

Current issues and future perspectives in health care will be critically analyzed in relation to their implications for and their influence on the organized profession, individual nurses and nursing practice. At a beginning level, students will participate in the development of health and social policy. Prerequisite: 60% in all required 3000-level NURS courses. Excludes NURS 3004H, 4104H.

NURS 4100H – The concept of marginalization and at-risk groups

Students examine concept analysis bringing clarity to practice. Links are made between theory and practice focusing on concepts critical to understanding the disruption to families in situations of death, transition or crisis. Specific attention is paid to at-risk populations, including the young, elderly, indigenous peoples, rural populations, women and the homeless. Prerequisite: A minimum of 60% in all NURS 3000-level courses and permission of department. Excludes NURS 400H.

NURS 4101H – Contemporary concepts in health care research

This course builds on NURS 2030H and NURS 3030H and considers concepts, frameworks, skills and issues for students in Nursing and other faculties interested in application of the research process in health care. It uses a range of teaching and learning methods including participation, scenario, case study and discussion. Prerequisite: A minimum of 60% in all NURS 3000-level courses and permission of program. For non-nursing students, permission of the School of Nursing. Excludes NURS 414H.

NURS 4102H – Transcultural concepts in healthcare

This course sensitizes students to the cultural diversity of health-related values, beliefs and practices when planning professional interventions for clients' health and well-being. Focus is on caring and curing patterns and practice in relation to different health-illness systems in Canada and elsewhere. Methods for conducting culturological assessments are also included. Prerequisite: A minimum of 60% in all NURS 3000-level courses and permission of department. Excludes NURS 413H.

NURS 4103H – Workplace health, safety and well-being of the nurse

Using a core framework for healthy work environments and related documents and legislation, exploration of issues/strategies/outcomes relative to a climate of safety. Student learning is guided by the RNAO Best Practice Guideline: Healthy Work Environments: Workplace Health, Safety and Well-being of the Nurse, a discussion forum and project proposal/development. Prerequisite: A minimum of 60% in all NURS 3000-level courses and permission of department. Excludes NURS 421H.

NURS 4105H – Leadership in contemporary nursing

Study of current leadership theories, differences between leadership and management, concepts of vision, professional communication, understanding and managing change in the health care system, stewardship, and recognizing, developing and sustaining individual leadership abilities. Students contemplate self as leader, reflecting on recognition and development of leadership qualities in professional nursing roles. Prerequisite: 60% in all required 3000-level Nursing courses and permission of department. Excludes NURS 423H.

NURS 4106H – Health policy and the profession of nursing

Critical examination of system structure, policy making process and relevant legislation, provides an overview of the health policy formulation and implementation Canada/Ontario. Public policy analysis and the role of interest groups are examined, focusing on the role of the nursing profession. Students will examine and analyze contemporary health care policy issues. Prerequisite: 60% in all required 3000-level Nursing courses and permission of department.

NURS 4108H – Transitions towards health in illness

Opportunity to develop depth and breadth of knowledge/skills in nursing care of clients/families with a variety of health and illness issues. Examination of theoretical and research literature relevant to transitions in health and the nurse's role in interdisciplinary teams. Application and integration with independent practice. Prerequisite: A minimum of 60% in all NURS 3000-level courses and permission of department. Excludes NURS 412H, 4202H.

NURS 4200H – The critical care nursing environment

Students will be provided with opportunities to develop in-depth and breadth of knowledge in issues relevant to critical care nursing practice with clients and families. Students will be expected to demonstrate application of concepts and integrate their learning with their independent practice placements. Prerequisite: A minimum of 60% in all NURS 3000-level courses and permission of department. Co-requisite: NURS 4022C in a critical care environment. Excludes NURS 410H.

NURS 4201H – Primary health care

Opportunity to develop depth/breadth of knowledge/skills relevant to planning, implementation, delivery and evaluation of primary health care. Examination of primary care in the Canadian context. Overview of research related to determinants of health. Exploration of other issues and challenges for specific populations. Prerequisite: A minimum of 60% in all NURS 3000-level courses and permission of department. Excludes NURS 411H.

NURS 4203H – Rural nursing practice

Opportunity to develop depth and breadth of knowledge/skills in nursing care of clients/families in rural settings. Examination of theoretical and research literature relevant to practice in a rural setting, the nurse's role and challenges in the interdisciplinary teams in rural settings. Application and integration with independent practice. Prerequisite: A minimum of 60% in all NURS 3000-level courses and permission of department. Excludes NURS 419H.

NURS 4204H – Contemporary issues in aging and health

Students have the opportunity to develop depth and breadth of knowledge in care of the elderly. Building on the first three years of study, and drawing from current clinical experience, students will be encouraged to examine the challenges, implications and effects of aging on both the individual and his/her family. Prerequisite: A minimum of 60% in all NURS 3000-level courses and permission of department. Excludes NURS 420H.

NURS 4205H – Mental health care

Students will develop a greater depth and breadth of knowledge and skills relevant to mental health care. Building on knowledge from previous professional and related courses, learners will consider the concept of mental health/illness within the current Canadian context and selected other countries. Prerequisite: A minimum of 60% in all NURS 3000-level courses and permission of department. Excludes NURS 422H.

NURS 4207H – Issues and trends in palliative care

This course offers opportunities to develop depth and breadth of knowledge in caring for individuals/families dealing with dying and death regardless of the setting. Building on previous courses and clinical experiences, students will examine common issues which prevail throughout various illness trajectories. Prerequisite: minimum of 60% in all required 300 or 3000-level Nursing courses and departmental approval.

NURS – INDG – ERSC/ERST 4740Y – Critical investigations in Indigenous Peoples health and the environment: Indigenous Environmental Studies collegium (see Indigenous Studies)**NURS 4900H – Reading course**

Not established as part of the regular Nursing program. Offered only when staffing is available and by prior arrangement through the School office. The topics are in the field of interest and expertise of the faculty member. Prerequisite: A minimum of 60% in all NURS 3000-level courses and a cumulative average after 15.0 credits of 75% and approval of department. A maximum of 0.5 credit earned as an NURS Reading Course may be counted towards the B.Sc.N. Excludes NURS 495H.

Philosophy

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Chair of the Department

To be named

Professors

F. C. McKinnon, B.A. (McGill), B.Phil., D.Phil. (Oxford) (*on leave 2011-2012*); **R. M. Neumann**, B.A. (Columbia), M.A., Ph.D. (Toronto)

Associate Professor and Kenneth Mark Drain Endowed Chair in Ethics

K. Norlock, B.A. (Northern Illinois), M.A., Ph.D. (Wisconsin-Madison)

Associate Professors

E. Angelova, B.A., M.A. (Sofia), M.A., Ph.D. (Toronto); **M. Howes**, B.Sc., M.A. (Guelph), Ph.D. (Western); **D. McDermid**, B.A. (Western), M.A., Ph.D. (Brown) (*on leave 2011-2012*)

Assistant Professor

B. Stoyles, B.A., M.A., Ph.D. (Western)

Professors Emeriti

C. V. Boundas, M.A., Ph.D. (Purdue); **J. W. Burbidge**, M.A. (Yale), B.D., Ph.D. (Toronto), F.R.S.C.; **R. E. Carter**, A.B. (Tufts), M.Div. (Harvard), M.A., Ph.D. (Toronto); **D. Gallop**, M.A. (Oxford); **J. I. MacAdam**, B.A. (New Brunswick), M.A. (Queen's), Ph.D. (London); **M. L. Rubinoff**, B.A. (Queen's), M.A., Ph.D. (Toronto)

The Philosophy department at Trent aims to provide students with critical skills in understanding, evaluating, defending and criticizing arguments. Some students recognize the intrinsic merits and interests of Philosophy. Our program ensures that these students are provided with grounding in the history of the discipline as well as opportunities to explore areas of particular philosophical interest. Other students wish to develop the kinds of critical reading, writing, thinking and speaking skills that are best taught in Philosophy courses. These students recognize the value of these skills whatever discipline they study at Trent and whatever futures they imagine for themselves. The undergraduate program at Trent offers programs that are designed to satisfy the needs of both kinds of students.

Notes

- It is strongly recommended that students successfully complete PHIL 1001Y or 1005Y before enrolling in upper level Philosophy courses.
- The minimum requirement for registration in any Philosophy 2000-level course is successful completion of four university credits or permission of the chair of the department.
- The minimum requirement for registration in any Philosophy 3000- or 4000-level course is successful completion of seven university credits or permission of the chair of the department.
- Students may earn a joint-major Honours B.Sc. in Philosophy and a Science subject if they satisfy the departmental requirements for the joint-major Honours program in Philosophy and in the Science subject and if they complete 14.0 science credits. PHIL – COIS 2410H (240H), PHIL – PSYC 2770Y (277) and PHIL 2780H (278H) count as science credits. Students who wish to earn a B.Sc. should consult with the chair of the department very early in their program.
- For the Emphasis in Applied Ethics, see [p. 250](#).
- Students who have fulfilled the requirements for a single-major Honours degree in another subject may apply to the Office of the Registrar for a minor in Philosophy if they have met the requirements for the joint-major General degree (see below).

BACHELOR OF ARTS PROGRAM IN PHILOSOPHY

- See [p. 28](#) for requirements which apply to all undergraduate degree programs.
- The same course may not simultaneously satisfy the requirements of both programs in a joint-major degree.
- PHIL 1001Y or 1005Y are strongly recommended for all students in Philosophy.
- It is strongly recommended that students majoring in philosophy take PHIL – AHCL 2400Y (210) before they take PHIL 3100Y (310), and that they take PHIL – AHCL 2400Y (210) in the second year of the program.

- PHIL – COIS 2410H (240H) is strongly recommended for all students in Philosophy, especially for those intending to do graduate work in Philosophy.
- Every year a minimum of six half-credit courses in Philosophy will be offered at the 4000-level.
- No more than 1.0 credit from reading courses may count towards the number of Philosophy credits required for the degree.

The single-major Honours program. 20.0 credits including the following 9.0 credits:

- 2.0 PHIL credits consisting of PHIL – AHCL 2400Y (210) and PHIL 3100Y (310)
- 7.0 PHIL credits in addition to the above, including PHIL 1005Y (105) or PHIL – COIS 2410H (240H), at least 2.0 credits at the 3000-level and at least 2.0 credits at the 4000-level

The joint-major Honours program. 20.0 credits including the following 7.0 credits:

- 2.0 PHIL credits consisting of PHIL – AHCL 2400Y (210) and PHIL 3100Y (310)
- 5.0 PHIL credits in addition to the above, including at least 1.0 credit at the 3000-level and at least 1.5 credits at the 4000-level

The single-major General program. 15.0 credits including the following 6.0 credits:

- 2.0 PHIL credits consisting of PHIL – AHCL 2400Y (210) and PHIL 3100Y (310)
- 4.0 PHIL credits in addition to the above, including at least 1.0 credit at the 3000-level

The joint-major General program. 15.0 credits including the following 5.0 credits:

- 1.0 PHIL credit from PHIL – AHCL 2400Y (210) or PHIL 3100Y (310)
- 4.0 PHIL credits in addition to the above, including at least 1.0 credit at the 3000-level

The minor in PHIL consists of the following 5.0 credits:

- 1.0 PHIL credit from PHIL – AHCL 2400Y (210) or PHIL 3100Y (310)
- 4.0 PHIL credits in addition to the above, including at least 1.0 credit at the 3000-level

Please consult the academic timetable, available through myTrent, for information on courses that will be offered in 2011–2012 including when they will be scheduled.

PHIL 1001Y – Introduction to philosophical inquiry

An introduction to philosophy through a study of fundamental problems, such as the nature of moral right and wrong, the freedom of the will, the relation between mind and matter, and the existence of God, as presented in contemporary writings and classical texts by, for example, Plato, Descartes, Kant and Nietzsche. Excludes PHIL 101, 102H, 103H.

PHIL 1002H – Introduction to philosophical inquiry: moral and political philosophy

A half-year introduction to philosophy through a study of some fundamental philosophical problems in moral and political philosophy, as presented in contemporary writings and classical texts. Excludes PHIL 101, 102H.

PHIL 1003H – Introduction to philosophical inquiry: knowledge, mind, and reality

A half-year introduction to philosophy through a study of some fundamental philosophical problems in epistemology and metaphysics, as presented in contemporary writings and classical texts. Excludes PHIL 101, 103H.

PHIL1004H – Informal logic

A half-year introduction to the study of arguments, as they occur in a variety of contexts. Emphasis will be placed on developing skills in recognizing, constructing, and critically evaluating arguments. Excludes PHIL 104H, 105. (Offered only in Oshawa.)

PHIL 1005Y – Practical reasoning

The study of the uses of statements and arguments in reasoning, as they occur in a variety of contexts. Emphasis will be placed on developing skills in recognizing, constructing and critically evaluating arguments. Excludes PHIL 104H, 105.

PHIL – WMST 2031Y – Feminist philosophy

An introduction to feminist philosophy, beginning with Simone de Beauvoir's founding role in existentialism and phenomenology. French postmodernist and deconstructionist feminism will be emphasized through Luce Irigaray and Julia Kristeva and the debates between psycho-analysis and feminism. The works of Judith Butler and feminist theory in North America will also be introduced. Prerequisite: 4.0 university credits or permission of department chair. Excludes PHIL – WMST 231.

PHIL – POST 2032Y – Philosophy of law, justice and rights

A study of philosophical theories of law, justice and rights. Attention will be given to relevant writings of Hart, Rawls and Dworkin, and to the importance of the Canadian Charter of Rights and Freedoms. Prerequisite: 4.0 university credits or permission of department chair. Excludes PHIL – POST 232.

PHIL 2140Y – Introduction to existential philosophy

Themes will include consciousness as a source of meaning and interpretation, individuality, inter-subjectivity and community, freedom, choice and responsibility, difference and repetition, and nihilism and creation. Texts will be selected from the writings of Nietzsche, Kierkegaard, Camus, Sartre, Marcel, de Beauvoir, Merleau-Ponty, Heidegger, Ricoeur and Barthes. Prerequisite: 4.0 university credits or permission of department chair. Excludes PHIL 214.

PHIL 2300Y – Moral issues

An application of basic principles of moral philosophy to some ethical problems of contemporary society. Topics might include: abortion and euthanasia, animal rights and species preservation, the justice of our economic system, world hunger and population control, censorship and pornography, women's rights and minority rights, ethical issues arising out of technological innovations. Prerequisite: 4.0 university credits or permission of department chair. Excludes PHIL 230.

PHIL – POST 2350Y – The political imagination (see Political Studies)**PHIL 2390H – Biomedical ethics**

An examination of central issues in the field of biomedical ethics. Topics may include abortion; euthanasia and assisted suicide; stem cell research; genetics; reproductive technologies; scarce resources; research using human subjects. Prerequisite: 4.0 university credits or permission of department chair. Excludes PHIL 234, 239H.

PHIL – AHCL 2400Y – Ancient philosophy

The development of philosophical thought from the Pre-Socratic to Neo-Platonist and Christian thinkers of late antiquity. Special emphasis will be placed upon selected works of Plato and Aristotle. Prerequisite: 4.0 university credits or permission of department chair. Excludes PHIL – AHCL 210.

PHIL – COIS 2410H – Symbolic logic (Sc)

An introductory study of formal logical systems, together with their use in the analysis of various types of arguments. Prerequisite: 4.0 university credits or permission of department chair. Excludes PHIL – COST 240, PHIL – COIS 240H.

PHIL 2450H – Argumentation and rhetoric

The study of the means of arguing and the criteria for their use in different rhetorical situations and intellectual or professional contexts. Special emphasis will be placed on producing and writing argument. Prerequisite: 4.0 university credits or permission of department chair. Excludes Arts 201H, PHIL 245H.

PHIL 2750H – Philosophy of religion

An inquiry into the nature of religion and religious belief, the relations among faith, reason, knowledge and revelation, the analysis of religious language, the mystical claim to direct knowledge of God, the nature of evil, and religion and ethics. Prerequisite: 4.0 university credits or permission of department chair. Excludes PHIL 275, 275H.

PHIL – PSYC 2770Y – Philosophy of mind (Sc)

An introduction to some of the central themes in philosophy of mind. Answers to ontological questions (what kinds of things are minds?) and epistemological questions (can we know that we and others have minds?) will be used to focus discussions concerning personal identity, responsibility for action, multiple personality, animal minds, artificial intelligence. Prerequisite: 4.0 university credits or permission of department chair. Excludes PHIL – PSYC 277, 377H.

PHIL 2780H – Philosophy of science (Sc)

A philosophical examination of the construction and validation of scientific theories, models, and experiments with special emphasis on the question of whether science has a reliable claim to provide one objective truth about the material and human world on the basis of a uniquely rational form of inquiry. Prerequisite: 4.0 university credits or permission of department chair. Excludes PHIL 278H.

PHIL 2790H – Philosophy of art

The philosophy of art concerns itself with questions surrounding the nature of art and the work of art, with the creativity involved in the production and in the interpretation of works, with beauty and aesthetic experience, and with the place art does or perhaps should have in society. Prerequisite: 4.0 university credits or permission of department chair. Excludes PHIL 279, 279H.

PHIL 2820Y – East Asian philosophy: China and Japan

A study of major Chinese and Japanese philosophers, including Confucius, Lao Tzu/Chuang Tzu, Dogen, Nishida and Suzuki. A focus of the course will be the relation between human nature and nature. Prerequisite: 4.0 university credits or permission of department chair. Excludes PHIL 282.

PHIL 3100Y – Early modern philosophy

A study of the important philosophies of the 17th and 18th centuries, including those of Descartes, Spinoza, Leibniz, Locke, Berkeley, Hume and Kant. Prerequisite: 7.0 university credits or permission of department chair. Excludes PHIL 212, 310.

PHIL 3150Y – Phenomenology

Themes and texts will be selected from the writings of Husserl, Heidegger, Merleau-Ponty, Ricoeur and others. Prerequisite: 7.0 university credits; PHIL 2140Y (214) or permission of department chair. Excludes PHIL 315.

PHIL 3160Y – Hermeneutics and deconstruction

Themes and texts will be selected from the writings of Heidegger, Gadamer, Habermas, Ricoeur, Derrida, Deleuze, Foucault, Lyotard, Lacan and Nancy. Prerequisite: 7.0 university credits; PHIL 2140Y (214) or permission of instructor. Excludes PHIL 316.

PHIL 3200Y – Metaphysics and epistemology

A study of problems such as the nature of space and time, the legitimation of belief, causation, necessity, universals, theories of truth, personal identity, limits of objectivity, criteria of rationality and irrationality, possible worlds. Prerequisite: 7.0 university credits or permission of department chair. Excludes PHIL 320.

PHIL – ERST 3300Y – Environmental ethics (see Environmental & Resource Science/Studies)**PHIL – COIS 3370H – Cyberethics**

A course which enables students to develop their own positions about the most important social and moral problems raised by computer use and technologies, including the fragmentation of society into computer “haves” and “have-nots,” Internet censorship, pornography, intellectual property rights, and software piracy. Prerequisite: 7.0 university credits or permission of department chair. Excludes PHIL – COST 337, PHIL – COIS 337H.

PHIL 3380Y – Moral philosophy

A study of the foundations of morals (metaethics) and/or particular moral theories such as utilitarianism, Kantianism, virtue ethics, and contractarianism, including contemporary perspectives and developments. The course may take either a major texts or a topics approach. Prerequisite: 7.0 university credits or permission of department chair. Excludes PHIL 330, 335, 338. Does not exclude PHIL – ERST 3300.

PHIL 3390Y – Social and political philosophy

An examination, through major texts or topics, of classical philosophical approaches to such topics as the moral foundations of the state, the relation between law and morals, competing principles of justice, and the rights of citizens. Contemporary social issues, for example, rights of self-determination, humanitarian intervention, and fair taxation, will be discussed. Prerequisite: 7.0 university credits or permission of department chair. Excludes PHIL 330, 335, 339. Does not exclude PHIL – ERST 3300Y.

PHIL – COIS 3410H – Logics and logical theories

A look at selected topics in logic, including some of: modal and three-valued logics, the foundations of arithmetic, formal semantics, the theory of rational choice, completeness, soundness and truth. Prerequisite: 7.0 university credits; PHIL – COIS 2410H or permission of instructor. Excludes PHIL – COIS 341H.

PHIL 3780H – Philosophy of language

A study of the nature and structures of language, and an investigation into the relations between languages and thought and between language and the world. Prerequisite: 7.0 university credits; PHIL 1005Y (105) or PHIL – COIS 2410H or permission of instructor. Excludes PHIL 378H.

PHIL 3900Y, 3901H, 3902H, 3903H – Reading course

Students will be encouraged to pursue a special interest, largely through independent study, for full-course credit. Details must be arranged in consultation with the staff in Philosophy by April 30 of the preceding academic year. Prerequisite: 7.0 university credits or permission of department chair.

PHIL – ADMN 4200Y – Business ethics (see Business Administration)**PHIL 4210H – Advanced topics in metaphysics and epistemology**

A seminar devoted to in-depth investigation of selected central metaphysical and epistemological themes. Prerequisite: 7.0 university credits or permission of department chair. Excludes PHIL 421H.

PHIL 4310H – Advanced topics in value theory

A study of central themes in value theory, to be chosen among issues in moral theory, aesthetic theory and political theory. Prerequisite: 7.0 university credits or permission of department chair. Excludes PHIL 431H.

PHIL 4390H – Advanced topics in biomedical ethics

An in-depth examination of a specific issue in biomedical ethics. Topics will vary each year and may include cloning and stem cell research; reproductive technologies, including abortion; genetics; end of life issues; justice in health care delivery. Prerequisite: 7.0 university credits; PHIL 2390H (239H) or 234 or permission of instructor. Excludes PHIL 439H.

PHIL 4410H – Advanced topics in logic and language

An advanced study of some of the central themes in philosophy of logic or philosophy of language. Prerequisite: 7.0 university credits; PHIL – COIS 2410H or permission of instructor. Excludes PHIL 441H.

PHIL 4510H – Kant

A seminar devoted to a close reading of some of Kant's major works. Prerequisite: 7.0 university credits; PHIL 3100Y (310) or permission of instructor. Excludes PHIL 451H.

PHIL 4520H – Hegel

A seminar devoted to a close reading of some of Hegel's major works. Prerequisite: 7.0 university credits; PHIL 3100Y (310) or permission of instructor. Excludes PHIL 412, 452H.

PHIL 4530H – 19th century philosophy

A study of some central themes and important philosophers of the 19th century. Prerequisite: 7.0 university credits; PHIL 3100Y (310) or permission of instructor. Excludes PHIL 412, 453H.

PHIL 4540H – 20th century philosophy

A study of some central themes and important philosophers of the 20th century. Prerequisite: 7.0 university credits; PHIL 3100Y (310) or permission of instructor. Excludes PHIL 454H.

PHIL 4610H – Major texts I

A close study of one or more central texts by one or more important philosophers. Texts and philosophers to change annually. Prerequisite: 7.0 university credits or permission of instructor. Excludes PHIL 461H.

PHIL 4620H – Major texts II

A close study of one or more central texts by one or more important philosophers; texts and philosophers to change annually. Prerequisite: 7.0 university credits; PHIL 4610H (461H) or permission of instructor. Excludes PHIL 462H.

PHIL 4710H – Advanced topics in philosophy of mind

An in-depth investigation into some of the central issues in philosophy of mind, e.g., consciousness, embodiment, reasons for actions, the emotions, free will, zombies, thinking machines, conscious animals. Prerequisite: 7.0 university credits; PHIL – PSYC 2770Y (277) or permission of instructor. Excludes PHIL 471H.

PHIL 4720H – Advanced topics in philosophy of science

A study of central themes in philosophy of science, to be chosen from among issues in metaphysics, epistemology and ethics. Topics will vary yearly and may include a focus on problems in one specific area of scientific inquiry. Prerequisite: 7.0 university credits including PHIL 2780H (278H) or permission of instructor. Excludes PHIL 472H.

PHIL 4900Y, 4901H, 4902H, 4903H – Reading course

Students will be encouraged to pursue a special interest, largely through independent study, for a half- or full-course credit. Details must be arranged in consultation with the staff in Philosophy by April 30 of the preceding academic year. Prerequisite: 7.0 university credits or permission of department chair.

PHIL 4950H – Special topics

A study of a special topic in philosophy.

PHIL 4960H – Special topics

A study of a special topic in philosophy.

Physics & Astronomy

Telephone: 705-748-1011 ext. 7715
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E-mail: physics@trentu.ca
Web: www.trentu.ca/physics

Chair of the Department

To be named

Professors

P. C. Dawson, Ph.D. (Victoria); **S. Narine**, B.Sc., M.Sc. (Trent), Ph.D. (Guelph)

Associate Professors

W. A. Atkinson, M.Sc. (Alberta), Ph.D. (McMaster) (*on leave 2011-2012*), **D. R. Patton**, B.Math (Waterloo), Ph.D. (Victoria); **R. C. Shiell**, B.A. Physics (Oxford), Ph.D. (Newcastle upon Tyne); **R. Wortis**, B.Sc. (Harvard), M.Sc., Ph.D. (Illinois)

Senior Demonstrator

D. Marshall, B.Sc. (Waterloo)

Demonstrator

To be named

Professors Emeriti

L. C. R. Alfred, M.Sc. (Bombay), Ph.D. (Sheffield); **J. W. Earnshaw**, B.A.Sc. (Toronto), Ph.D. (Cambridge); **R. G. Johnson**, M.Sc. (Queen's), Ph.D. (Liverpool); **J. W. Jury**, M.Sc., Ph.D. (Toronto), **A. J. Slavin**, M.Sc. (Toronto), Ph.D. (Cambridge)

Physics is the most fundamental of the natural sciences. It includes the study of electricity and magnetism, gravitation, electronics, the motion of projectiles and rotating bodies, heat, light and sound, and the interactions between the smallest particles in nature: electrons, protons, neutrons and quarks the building blocks of all matter. Because of their fundamental nature, the concepts of physics underlie much of modern astronomy, chemistry, biology, medicine and engineering. In particular, the traditional route to becoming an astronomer has been through an undergraduate degree in physics. Discoveries in physics and astronomy continue to broaden our understanding of the universe, advance space travel, speed up global electronic communications, lead to new products such as ferroelectric computer memories, assist forensic science, and invent and improve medical diagnostic techniques such as magnetic resonance imaging (MRI).

Notes

- Physics courses may be taken in any year of a student's program, provided that all prerequisites have been successfully completed.
- For the programs in Chemical Physics, Computing Systems & Physics and Mathematical Physics, see the relevant sections of the calendar.
- Students who have fulfilled the requirements for a single-major Honours degree in another subject may apply to the Office of the Registrar for a minor in Physics, if they have met the requirements for the joint-major General degree (see below).
- MATH 1100Y (110) or 1101Y is required for all upper-level Physics courses.

BACHELOR OF SCIENCE PROGRAM IN PHYSICS

- See [p. 28](#) for requirements which apply to all undergraduate degree programs.
- The same course may not simultaneously satisfy the requirements of both programs in a joint-major degree.
- MATH 1350H (135H) and 1550H (155H) are strongly recommended for students in the Honours program.
- Students with a B+ average over all Mathematics and Physics courses completed and with the permission of the department, may substitute either PHYS 4000Y (460) or 4010H (462H) (the project courses) for PHYS 4050H (461H). This does not affect the number of credits in Physics required at the 4000-level or for the degree as a whole.
- The Honours program satisfies the academic requirements for the Professional Physicist credential by the Canadian Association of Physicists.

The single-major Honours program. 20.0 credits including the following 12.0 credits:

- 8.0 PHYS credits consisting of PHYS 1001H and 1002H, (1000Y or 100), 2610H (202H), 2620H (203H), 2700H (270H), 3130H (313H), 3140H (314H), 3200Y (3210 or 321), 4600Y (400), 4220H (421H), 4050H (461H), 4700H (470H), PHYS – MATH 2150H (205H) and 3150H (305H)
- 2.0 PHYS credits in addition to the above, at least 0.5 at the 4000-level
- 2.0 MATH credits consisting of MATH 1100Y (110) or 1101Y, 2110H (201H) and 2120H (202H)
- 14.0 science credits are required for the Honours degree

The joint-major Honours program. 20.0 credits including the following 9.0 credits:

- 6.0 PHYS credits consisting of PHYS 1001H and 1002H (1000Y or 100), 2610H (202H), 2620H (203H), 2700H (270H), 3130H (313H), 3200Y (3210 or 321), 4600Y (400), PHYS – MATH 2150H (205H) and 3150H (305H)
- 1.0 PHYS credits at the 4000-level in addition to the above, or PHYS – MATH 3140H (314H) and 0.5 PHYS credits at the 4000-level.
- 2.0 MATH credits consisting of MATH 1100Y (110) or 1101Y, 2110H (201H) and 2120H (202H)
- 14.0 science credits are required for the Honours degree

The single-major General program. 15.0 credits including the following 8.0 credits:

- 4.5 PHYS credits consisting of PHYS 1001H and 1002H, (1000Y or 100), 2610H (202H), 2620H (203H), 2700H (270H), 3130H (313H), 3200Y (3210 or 321) and PHYS – MATH 2150H (205H)
- 1.5 PHYS credit in addition to the above
- 2.0 MATH credits consisting of MATH 1100Y (110) or 1101Y, 2110H (201H) and 2120H (202H)
- 11.0 science credits are required for the General degree

The joint-major General program. 15.0 credits including the following 7.0 credits:

- 4.5 PHYS credits consisting of PHYS 1001H and 1002H, (1000Y or 100), 2610H (202H), 2620H (203H), 2700H (270H), 3130H (313H), 3200Y (3210 or 321) and PHYS – MATH 2150H (205H)
- 0.5 PHYS credit in addition to the above.
- 2.0 MATH credits consisting of MATH 1100Y (110) or 1101Y, 2110H (201H) and 2120H (202H)
- 11.0 science credits are required for the General degree

The minor in PHYS consists of the following 7.0 credits:

- 4.5 PHYS credits consisting of PHYS 1001H and 1002H (1000Y or 100), 2610H (202H), 2620H (203H), 2700H (270H), 3130H (313H), 3200Y (3210 or 321) and PHYS – MATH 2150H (205H)
- 0.5 PHYS credit in addition to the above.
- 2.0 MATH credits consisting of MATH 1100Y (110) or 1101Y, 2110H (201H) and 2120H (202H)

Please consult the academic timetable, available through myTrent, for information on courses that will be offered in 2011–2012 including when they will be scheduled.

PHYS 1001H – Introductory physics I

Topics include kinematics, dynamics, translational and rotational motion, fluids, elasticity, and thermal physics. Prerequisite: 4U Advanced Functions or equivalent, or permission of the department. Strongly recommended: 4U credits in Physics, and Calculus and Vectors. Concurrent enrolment in first-year calculus. MATH 1100Y (110) or 1101Y is required for upper-level Physics courses. Excludes PHYS 1000Y (100) and PHYS – FRSC 1020H (102H).

PHYS 1002H – Introductory physics II

Topics include electrostatics, magnetostatics, electromagnetism, optics, and quantum physics. Prerequisite: PHYS 1001H or PHYS 1020H (102H) or permission of the department. Excludes PHYS 1000Y (100) and PHYS 1030H.

PHYS – FRSC 1020H – Forensic physics

Kinematics, dynamics, translational and rotational motion, fluids, elasticity, thermal physics. Prerequisite: 4U Calculus or Algebra, or equivalent ([p. 268](#)) or permission of the department. Recommended: 4U credits in Physics, Calculus and Algebra. Excludes PHYS 1000Y (100) (1001H), 1030H, PHYS – FRSC 102H.

PHYS – BIOL 1060H – Physics for the life sciences

The application of basic physical concepts to biological systems. Topics include forces and motion, energy and metabolism, thermodynamics, and fluid dynamics. Recommended: 4U Math. Excludes PHYS 1000Y (100), 1001H, 1002H, PHYS – FRSC 1020H (102H), PHYS 1030H.

PHYS 1510H – Introductory astronomy I

A general science course accessible to all students. Topics include sky phenomena, the history of astronomy, telescopes and detectors, and an exploration of the Solar System. No prerequisite. Excludes PHYS 1500Y (150). Not to be counted towards a major in Physics.

PHYS 1520H – Introductory astronomy II

A general science course accessible to all students. Topics include stars, their properties, structure, and evolution, white dwarfs, novae and supernovae, neutron stars, black holes, galaxies, and cosmology. Prerequisite: PHYS 1510H (1501H). Excludes PHYS 1500Y (150). Not to be counted towards a major in Physics.

PHYS 2090Y – Physical science for teacher education

A survey course with a laboratory component intended for concurrent education students and others who are not majoring in a physical science or mathematics but who expect to go on to a career in teaching in elementary schools. Emphasis is placed on empirical results obtained through experiment and the construction of conceptual models. Not to be counted towards a major in Physics. Not open to students who have declared a Physics major (single or joint) or are concurrently registered in PHYS 1001H and PHYS 1002H, or 1000Y (100). Normally open only to students who are in the Concurrent or Consecutive Education programs or who are pursuing the Emphasis in Teacher Education, but limited spaces may be available for non Teacher Education students (consult with department secretary). Excludes PHYS 209.

PHYS – MATH 2150H – Ordinary differential equations (see Mathematics)**PHYS – COIS 2250H – Electronics**

An applied course in the electronic circuits most commonly used in laboratory sciences. Circuit theory, test instruments, operational amplifiers, semiconductor theory, measurement sensors, power control, digital circuits, computer process-control and data collection, AC circuit theory, filters, DC power supplies, RC timing circuits, amplifiers, oscillators. Prerequisite: PHYS 1001H and 1002H (1000Y or 100) and MATH 1100Y (110) or 1101Y.

PHYS – COIS 2310H – Computational physics

Use of computational methods to solve a range of problems in physics which are not accessible to analytical treatment. Typical topics include the motion of real projectiles, planetary motion and chaos, electric fields, waves, and random systems. Prerequisite: PHYS 1001H and 1002H (1000Y or 100), MATH 1100Y (110) or 1101Y. Excludes PHYS – COSC 231H.

PHYS 2510H – Life in the universe

An examination of prospects for extraterrestrial life, based on material from disciplines such as astrophysics, planetary science, molecular biology, paleobiology, chemistry and statistics. Topics include the Drake Equation in various guises, the Fermi-Hart Paradox, the effects on life-bearing worlds of giant meteoroid impacts, and the history of life on Earth. Prerequisite: PHYS 1510H and 1520H, or 1500Y (150), or permission of instructor. Not to be counted toward a major in Physics. Excludes PHYS 250, 251H.

PHYS 2610H – Introductory quantum physics

Special relativity, particle-like aspects of radiation, atomic structure, wave-like properties of matter, Schrodinger equation and applications to one-dimensional systems. Prerequisite: PHYS 1001H and 1002H (1000Y or 100) and MATH 1100Y (110) or 1101Y. Pre- or co-requisite: PHYS – MATH 2150H (205H). Excludes PHYS 202H.

PHYS 2620H – Atomic, molecular and nuclear physics

Quantum mechanics of one-electron atoms, magnetic dipole moments and spin, transitions and selection rules, identical particles, excited states of atoms, molecules, nuclear and particle physics. Prerequisite: PHYS 2610H (202H), PHYS – MATH 2150H (205H) and MATH 2110H (201H). Excludes PHYS 203H.

PHYS 2700H – Thermal physics

The laws of thermodynamics and their applications, thermodynamic potentials, kinetic theory of gases, introduction to statistical thermodynamics. Prerequisite: PHYS 1001H and 1002H (1000Y or 100) and 2610H (202H) and MATH 2110H (201H). Excludes PHYS 270H.

PHYS – MATH 3130H – Classical mechanics

Particle motion in one dimension, resistive forces. Oscillatory motion; waves on a string, acoustic waves in gases, harmonic oscillator, damped, and damped, driven oscillators, resonance, Q-factor. Fourier Series. Particle motion in three dimensions, conservative forces and fields. Accelerated coordinate systems and inertial forces. Central forces, gravitation, Kepler's Laws, spacecraft motion,

stability of orbits. Prerequisites: MATH 1100Y (110) or 1101Y and PHYS 1001H/1002H (1000Y or 100). Pre- or co-requisite: MATH 2110H (201H), MATH 2150H. Excludes PHYS – MATH 313.

PHYS – MATH 3140H – Advanced classical mechanics

Applied mathematics as found in the classical mechanics of particles, rigid bodies and continuous media. Motion of rigid bodies, Lagrangian mechanics, Hamiltonian mechanics, dynamics of oscillating systems. Prerequisite: MATH 2110H (201H) and 2150H (205H) and PHYS – MATH 3130H (313H). Excludes PHYS – MATH 314H.

PHYS – MATH 3150H – Partial differential equations (see Mathematics)

PHYS – MATH 3160H – Methods of applied mathematics (see Mathematics)

PHYS – COIS 3200Y – Electricity and magnetism

Electrostatics, magnetostatics, electric and magnetic properties of matter, Maxwell's equations, electromagnetic wave propagation. Prerequisite: PHYS 1001H and 1002H (1000Y or 100), PHYS – MATH 2150H (205H), MATH 2110H (201H) and 2120H (202H). Excludes PHYS – COSC 321, 3210.

PHYS 3900Y, 3901H – Reading course

Courses designed to allow advanced students in Physics to pursue independent study under the direction of departmental faculty. These courses will be available only in exceptional circumstances and with the approval of the department.

PHYS 4000Y/4010H – Project course

An experimental or theoretical project on some topic of advanced physics. Past projects have included frequency control of a laser, astrophysics, surface physics, high temperature superconductivity, etc. Projects are selected in consultation with members of the department; students must obtain approval for the project on the form provided, by the preceding March. An overall average of at least 77% in Physics and Mathematics will normally be required. Excludes PHYS 460, 462H. Students may take only one of PHYS 4000Y or 4010H for credit.

PHYS 4050H – Advanced laboratory

This course provides the opportunity for advanced laboratory work in several areas of physics. Prerequisite: All required courses at the 1000-, 2000- and 3000-levels. Excludes PHYS 461H.

PHYS – CHEM 4210H – Principles and applications of symmetry and group theory (see Chemistry)

PHYS 4220H – Electromagnetic theory

Maxwell's equations, the interactions of electromagnetic fields with matter, the relativistic formulation of electromagnetism and its applications. Prerequisite: PHYS – COIS 3200Y (3210 or PHYS – COSC 321), PHYS – MATH 3150H (305H). Excludes PHYS 420, 421H.

PHYS 4240H – Modern optics

Properties of light: polarization, interference, coherence and diffraction. Interaction of light with matter: Einstein coefficients and quantum-mechanical treatment of matter. Laser operation and applications: absorption, gain and saturation; three and four-level laser systems; longitudinal and transverse modes; specific laser systems. Concepts in modern quantum optics. Pre- or co-requisite: PHYS 2620H (203H), PHYS – COIS 3200Y, (3210 or PHYS – COSC 321), PHYS – MATH 3150H (305H). Excludes PHYS 424H.

PHYS 4310H – Condensed matter physics

Crystallography, crystal binding, lattice vibrations and thermal properties of solids, band theory, electron transport, semiconductors, magnetism. Prerequisite: PHYS 2700H (270H), 2620H (203H). Pre- or co-requisite: PHYS – COIS 3200Y (3210 or PHYS – COSC 321), PHYS – MATH 3150H (305H). Excludes PHYS 430, 431H.

PHYS 4410H – Nuclear and particle physics

Nuclear properties, forces, models and reactions; accelerators, detectors; fission, fusion, medical physics; high energy physics including elementary particles and their composition and interactions; quarks and gluons. Prerequisite: PHYS 2620H (203H), Pre- or co-requisite: PHYS – MATH 3150H (305H), PHYS – COIS 3200Y (3210 or PHYS – COSC 321). Excludes PHYS 440, 441H.

PHYS 4510H – Astrophysics: Stellar atmospheres

Observational data; magnitudes, spectra, related quantities; masses, radii, luminosities, metallicity and age. Stellar populations. Radiative transfer: absorption and emission of radiation, equation of transfer. Physical properties of gases. Absorption coefficients. Electron pressure. Model atmospheres; convection, formation of absorption lines. Line profiles, strengths. Dependence on surface gravity. Prerequisite: PHYS 2620H (203H), 2700H (270H), PHYS – MATH 2150H (205H). Strongly recommended: PHYS 1510H and 1520H (or 1500Y or 150), PHYS – COIS 2310H (231H). Excludes PHYS 450H.

PHYS 4520H – Astrophysics: Galaxies & cosmology

An introduction to modern astrophysics, which applies the principles of physics to the study of galaxies and cosmology. Topics include the Milky Way galaxy, the nature of galaxies, galaxy evolution, the structure of the universe, active galactic nuclei and quasars, cosmology, and the early universe. Prerequisite: PHYS 2620H (203H). Pre- or co-requisite: PHYS – MATH 3130H (313H) and PHYS – MATH 3150H (305H). Strongly recommended: PHYS 1510H and PHYS 1520H (or 1500Y or 150).

PHYS 4600Y – Quantum mechanics

Review of elementary quantum mechanics. States and operators in Hilbert space, Dirac notation, interpretative postulates, representations, symmetry transformations, angular momentum theory, spherically symmetric potentials, approximation methods, scattering theory, identical particles. Selected special topics. Prerequisite: PHYS 2620H (203H), PHYS – MATH 3150H (305H), PHYS – COIS 3200Y (3210 or PHYS – COSC 321). Excludes PHYS 400.

PHYS 4700H – Statistical and thermal physics

The statistical meaning of entropy and temperature; microcanonical, canonical, and grand canonical ensembles; derivation of distributions for distinguishable and indistinguishable particles and applications; additional topics may include advanced methods in classical statistical mechanics, an introduction to phase transitions, and cryogenics. Prerequisite: PHYS 2620H (203H), 2700H (270H), MATH 2110H (201H). Pre- or co-requisite: PHYS – MATH 3150H (305H). Excludes PHYS 430, 470H.

PHYS 4900Y, 4901H – Reading course

Courses designed to allow advanced students in Physics to pursue independent study under the direction of departmental faculty. These courses will be available only in exceptional circumstances, and with the approval of the department.

Political Studies

Telephone: 705-748-1011 ext. 6002
Fax: 705-748-1047

E-mail: politics@trentu.ca
Web: www.trentu.ca/politics

Associate Professor and Chair of the Department

G. Fridell, B.Env., M.A. (Manitoba), Ph.D. (York)

Professors

M. Neufeld, B.A. (Waterloo), M.A., Ph.D. (Carleton); **A. Pickel**, M.A. (Guelph), Dipl. Pol. (Berlin), Ph.D. (York); **D. Torgerson**, B.A. (California-Berkeley), M.E.S. (York), M.A., Ph.D. (Toronto)

Associate Professors

F. Baban, B.A., M.A. (Bogazici), Ph.D. (Carleton); **N. Changfoot**, B.A. (York), M.A. (Carleton), Ph.D. (York); **C. O'Manique**, B.A. (Carleton), M.A., Ph.D. (York); **E. Stavro**, M.A., Ph.D. (Toronto)

Assistant Professors

K. Irvine, B.A. (Toronto), M.A. (Guelph), Ph.D. (York); **J. Greene**, B.A. (Manitoba), M.A. (Wilfrid Laurier), Ph.D. (Queen's)

Adjunct Faculty

C. Gombay, B.A. (Toronto), M.A. (Carleton), Ph.D. (Toronto); Hon. Andy Mitchell, P.C.

Associated Faculty

Canadian Studies: **D. Bhandar**, **B. Palmer**, **J. Struthers**. *Environmental & Resource Science/Studies*: **S. Bocking**. *Indigenous Studies*: **M. Dockstator**, **D. Newhouse**. *Sociology*: **J. Conley**. *Gender & Women's Studies*: **M. Hobbs**

Professors Emeriti

M. P. Doxey, B.Sc., Ph.D. (London); **D. Kettler**, M.A., Ph.D. (Columbia); **K. R. V. Lyon**, Ph.D. (British Columbia); **D. R. Morrison**, M.A. (Saskatchewan), D.Phil. (Sussex); **J. Wearing**, B.A. (Western), M.A. (Toronto, Oxford), D.Phil. (Oxford)

The department provides for general study and for concentration in one or more fields – world politics, Canadian politics and political theory. All three major fields of Political Studies are interconnected through four overlapping thematic clusters: (1) institutions, law and policy; (2) political economy; (3) political culture and identity; and (4) alternative politics – allowing for a large variety of combinations for individual study.

Notes

- Students who have fulfilled the requirements for a single-major Honours degree in another subject may apply to the Office of the Registrar for a minor in Political Studies if they have met the requirements for the joint-major General degree (see below).
- Further information on the faculty members, course offerings and general orientation of the department may be obtained at the departmental website, www.trentu.ca/politics.
- The Political Studies department offers a joint-major in International Political Economy. For more information, please refer to the Calendar entry under International Political Economy.
- Global Power & Politics is a recognized Section of the Political Studies department. Political Studies courses delivered by members of the Global Power & Politics Section are marked (GP) in the individual course descriptions (see below).
- The Centre for Critical Study of Global Power & Politics (formerly Trent International Political Economy Centre, TIPEC) is a Research Centre devoted to research in Global Power & Politics. The Centre is both a research centre and a resource for courses offered by members of the Global Power & Politics Section.

BACHELOR OF ARTS PROGRAM IN POLITICAL STUDIES

- See [p. 28](#) for requirements which apply to all undergraduate degree programs.
- The same course may not simultaneously satisfy the requirements of both programs in a joint-major degree.
- Students interested in the possibility of registering for a reading course (POST 3900Y, 3901H, 3902H, 3903H, or 4900Y, 4901H, 4902H, 4903H), internship (POST 4870Y) or thesis (POST 4020D) should consult with the department regarding prerequisites and application procedures.

The single-major Honours program. 20.0 credits including the following 9.0 credits:

- 1.0 POST credit consisting of POST 1000Y (100)
- 2.0 POST credits from POST 2230Y (223), 2400Y (240), POST – CAST 2010Y (201), or POST – PHIL 2350Y (235)
- 6.0 POST credits in addition to the above, at least 2.0 at the 3000-level and at least 3.0 at the 4000-level
- at least one of the 9.0 credits in political theory (POST – PHIL 2350Y (235) or POST 3330Y (333))

The joint-major Honours program. 20.0 credits including the following 7.0 credits:

- 1.0 POST credit consisting of POST 1000Y (100)
- 2.0 POST credits from POST 2230Y (223), 2400Y (240), POST – CAST 2010Y (201), or POST – PHIL 2350Y (235)
- 2.0 POST credits at the 3000-level
- 2.0 POST credits at the 4000-level
- at least one of the 7.0 credits in political theory (POST – PHIL 2350Y (235) or POST 3330Y (333))

The single-major General program. 15.0 credits including the following 6.0 credits:

- 1.0 POST credit consisting of POST 1000Y (100)
- 2.0 POST credits from POST 2230Y (223), 2400Y (240), POST – CAST 2010Y (201), or POST – PHIL 2350Y (235)
- 3.0 POST credits in addition to the above, at least 2.0 at the 3000-level

The joint-major General program. 15.0 credits including the following 5.0 credits:

- 1.0 POST credit consisting of POST 1000Y (100)
- 2.0 POST credits from POST 2230Y (223), 2400Y (240), POST – CAST 2010Y (201), or POST – PHIL 2350Y (235)
- 2.0 POST credits at the 3000-level

The minor in POST consists of the following 5.0 credits:

- 1.0 POST credit consisting of POST 1000Y (100)
- 2.0 POST credits from POST 2230Y (223), 2400Y (240), POST – CAST 2010Y (201), or POST – PHIL 2350Y (235)
- 2.0 POST credits at the 3000-level

Please consult the academic timetable, available through myTrent, for information on courses that will be offered in 2011–2012 including when they will be scheduled.

POST 1000Y – Democracy, power and resistance in the global age

A critical introduction to power and politics and their relationship to political activism. Particular attention will be paid to themes such as democracy, justice, resistance, ideology, development, state-building and globalization. Course materials will focus on the global and North American contexts. Excludes POST 100.

POST – INDG 2000Y – Politics and Indigenous communities (see Indigenous Studies)

POST – CAST 2010Y – Canadian politics

This course introduces students to the institutions of Canadian government and politics and to some of the ideas, issues and identities that have structured and shaped Canadian political life. Students are encouraged to think about contemporary political issues, institutions and representation in terms of shifting socio-economic relations of power. Prerequisite: 4.0 university credits or permission of department chair. Excludes POST – CAST 201.

POST – PHIL 2032Y – Philosophy of law, justice and rights (see Philosophy)

POST – ERST 2100H – Environmental science and politics (see Environmental & Resource Science/Studies)

POST 2200Y – Introduction to global power and politics (GP)

This course provides an introduction to global power and politics. It lays the groundwork for the Emphasis program in Global Power & Politics, providing an introduction to the critical study of theories and approaches most relevant in the globalization debate and of central issues for understanding global power structures. Prerequisite: 4.0 university credits or permission of department chair. Excludes POST 220, 2230Y (223).

POST – CAST – HIST 2215H – “Empire Ontario” 1867-1945 (see Canadian Studies)

POST – CAST – HIST 2225H – Ontario since 1945: From the “common good” to “common sense” (see Canadian Studies)

POST 2230Y – World politics

This course studies how human societies deal with various forms of global change (economic, cultural, political). One principal objective of the course is to enable students to develop an understanding of how the international system is shaped by the great historical turning-points and understand key concepts in International Relations. Prerequisite: 4.0 university credits or permission of department chair. Excludes POST 2200Y (220), 223.

POST – CAST – GEOG – WMST 2245H – The social and political economy of contemporary Canadian immigration (see Canadian Studies)

POST – CAST – HIST 2285H – Canada in the 1960s: Irony and identity (see Canadian Studies)

POST – PHIL 2350Y – The political imagination

Political thought as it appears in a diversity of sources – e.g., literature, film, theatre – as well as in established texts of political theory. With the 20th century and contemporary politics forming a point of reference, the course opens a particular route of access to both past and present political thought. Prerequisite: 4.0 university credits or permission of department chair. Excludes POST – PHIL 235.

POST 2400Y – Local to global: States and civil society in comparative perspective

The purpose of this course is to provide a comparative analysis of the different political-economic, social, and cultural institutions within nation-states in the global system. Students will examine the impact of local and global forces on the state and civil society in both the North and the South. Prerequisite: 4.0 university credits or permission of department chair. Excludes POST 240.

POST – CAST – SOCI 3000Y – Reading the social: Space, difference, and power in Canada (see Canadian Studies)

POST – INDG 3020Y – Indigenous governance (see Indigenous Studies)

POST – CAST – SOCI 3050H – Society and politics in Quebec

This course will be concerned with how both the social, economic and cultural changes that come with the transition to late modern, or “postmodern,” society and new alignments in provincial, federal and hemispheric relations have transformed the way that politics are conducted in Quebec. Prerequisite: 2.0 POST credits at the 2000-level or permission of instructor. Excludes POST – CAST – SOCI 305H.

POST – CAST 3090Y – Law and constitutional issues

An introduction to the basic principles of legal reasoning and the study of case law through an analysis of court decisions based on the entrenched Charter of Rights as well as a review of

constitutional accords and referenda that have had a major impact on Canadian politics. Prerequisite: POST – CAST 2010Y (201) or POST – PHIL 2032Y (232) or WMST 237H and completion of 2.0 POST credits at the 2000-level or permission of instructor. Excludes POST – CAST 309.

POST – CAST – ERST 3100Y – Public policy and the Canadian environment (see Environmental & Resource Science/Studies)

POST 3170H – U.S. politics

A critical introduction to U.S. government and politics, situating political behaviour within the larger context of political, economic and social power. We will cover the workings of the main political institutions (the presidency, Congress and the courts), elections, political parties, social movements, and the media. Prerequisite: 2.0 POST credits at the 2000-level or permission of instructor. Recommended: POST 2400Y (240). Excludes POST 317H.

POST 3200H – Ordering world politics I: U.S. foreign policy in the 20th century and beyond (GP)

This course aims to provide a critical perspective on the efforts to construct and regulate the global order represented by U.S. foreign policy. A theoretically informed review of the historical record is used to achieve an understanding of current trends. Prerequisite: 2.0 POST credits at the 2000-level or permission of instructor. Recommended: POST 2200Y (220). Excludes POST – CAST 320, POST 320H.

POST – CAST 3210H – Ordering world politics II: Canadian foreign policy in the 20th century and beyond (GP)

This course aims to provide a critical perspective on the efforts to construct and regulate the global order represented by Canadian foreign policy. A theoretically informed review of the historical record is used to achieve an understanding of current trends. Prerequisite: 2.0 POST credits at the 2000-level or permission of instructor. Recommended: POST 2200Y (220). Excludes POST – CAST 320, 321H.

POST – IDST 3220H – Global political economy (see International Development Studies)

POST – SOCI 3230Y – Nationalism and political order in global perspective (GP)

Why nationalism has survived and revived under globalization; how ethnicity is politicized and national identities constructed; nationalism's positive and negative forms and its relationship with democratic values. The course incorporates philosophical, historical, sociological, anthropological and economic approaches to explain and assess varieties of nationalism. Prerequisite: 2.0 POST credits at the 2000-level or permission of instructor. Recommended: POST 2200Y (220). Excludes POST – SOCI 323.

POST 3240H – European integration

Examines the most ambitious and far-reaching transnational project of political integration, the European Union. History, problems of governance, democracy, further integration and expansion to the East. Prerequisite: 2.0 POST credits at the 2000-level or permission of instructor. Recommended: POST 2230Y (223). Excludes POST 324H.

POST 3250H – Post-communist transformations

Studies the political and economic transitions of formerly Communist countries in comparative and global perspective. Includes Central and Eastern Europe, the former Soviet Union, China, Vietnam and Cuba. Prerequisite: 2.0 POST credits at the 2000-level or permission of instructor. Recommended: POST 2200Y (220). Excludes POST 325H.

POST – CAST 3260H – North American politics

This course will explore the politics of North American integration, covering Canada, the United States and Mexico. Topics will include borders, security, trade, immigration and the emergence of a North American civil society. Prerequisite: 2.0 POST credits at the 2000-level or permission of instructor. Recommended: POST 2230Y (223), 2400Y (240) or POST – CAST 2010Y (201). Excludes POST – CAST 326H.

POST 3280H – Critical security studies

This course will explore concepts of security, focusing on the contested meaning of security in relation to states, nations, identities, individuals, markets, the environment and technology. Prerequisite: 2.0 POST credits at the 2000-level or permission of instructor. Recommended: POST 2230Y (223) or 2400Y (240). Excludes POST 328H, 3973H.

POST – IDST 3290H – Causes of war

A survey of theories of the causes of war. Topics include structural realism, democratic peace theory, Marxism, domestic state structure and coalition-building, ideology, patterns of state formation, gender, and religion. The course pays special attention to contemporary civil wars, terrorism as warfare, and 21st-century American foreign policy. Prerequisite: 2.0 POST credits at the 2000-level including POST 2230Y (223) or 2400Y (240); or permission of instructor. Excludes POST – IDST 329H.

POST 3330Y – Political theory

A survey of some classic texts in the history of western political thought with an emphasis on problems of interpretation and the ways in which a tradition of political discourse determines our conceptions of the political and legitimates political activity. Excludes POST 333.

POST – WMST 3340H – Democracy in theory and practice

In a world where virtually everyone claims to be a democrat, it is easily forgotten that democracy has not always been fashionable. This course examines modern and contemporary struggles for democracy by focusing on developments in democratic theory and relating these to particular contexts of democratic practice. Prerequisite: 2.0 POST credits at the 2000-level or permission of instructor. Excludes POST – WMST 334H.

POST 3350H – The politics of creativity

This course explores how creativity is a vital aspect of politics. Students will examine and reflect upon “doing politics differently” with the help of political theory, consideration of citizenship, and examples of activism through art and culture. Prerequisite: 2.0 POST credits at the 2000-level or permission of instructor. Recommended: POST – PHIL 2350Y (235). Excludes POST 335H, 3971H.

POST – WMST 3360H – The body politic/the body in politics

Liberal political discourse assumes the polity emerges from the consent of rational autonomous actors. This will be challenged by focusing on debates concerning power as sovereignty, dominant class interest, governance; efforts to include the woman's body in politics through care, contract, desire and citizenship will be explored. Prerequisite: 2.0 POST credits at the 2000-level or permission of instructor. Excludes POST – WMST 336H.

POST 3420H – Poverty, politics and protest: A comparative perspective

This course explores poor people's movements in the context of globalization, neoliberalism, and urban restructuring through an examination of key theoretical texts and case studies of collective action in North America, Europe, Latin America, and Asia. Prerequisite: 2.0 POST credits at the 2000-level or permission of instructor. Excludes POST 342H.

POST 3430H – Latin American politics

This course explores the politics of Latin America in a political-economic, social, and historical context, from colonial times to the contemporary period. Specific cases of state and social movement projects will be examined in a broader regional and global context. Prerequisite: 2.0 POST credits at the 2000-level or permission of instructor. Excludes POST 343H, 3951H.

POST 3440H – Pop icons, pundits, and global order

This course examines the impact of pop icons and pundits on the making of global order through an examination of the cultural politics of major Western icons (such as Oprah, the Clintons, Bono) and a careful reading of key texts in global political economy from famous pundits (such as Joseph Stiglitz and Jeffrey Sachs). Prerequisite: 2.0 POST credits at the 2000-level or permission of instructor.

POST – CUST 3570Y – Cultural politics

Political questions are always posed in a cultural context, but culture itself is now a political question. The course examines historical background, including the politics of the avant-garde and the “new sensibility” of the 1960s, and then turns to the politics of current movements posing culture as an issue. Prerequisite: 2.0 POST credits at the 2000-level or permission of instructor. Excludes POST – CUST 357.

POST – ERST – IDST 3601Y – Environment and development (see Environmental & Resource Science/Studies)**POST – CAST 3620H – Democratic strategy and public policy**

Is the enhancement of democracy in today's world best served by a strategy of pure resistance designed to avoid co-optation by the powers that be? Or does the path of democracy lead through established policy processes? This course examines a range of key concepts and cases – involving Canada and other countries. Prerequisite: 2.0 POST credits at the 2000-level or permission of instructor. Recommended: POST – CAST 2010Y (201), POST – WMST 3340H (334H). Excludes POST – CAST 362H.

POST – CAST – SOCI 3665H – Canada: State, society, power (see Canadian Studies)**POST – CAST – WMST 3670Y – Women and politics in Canada**

This course examines how women are constructed in different locations of politics, why this occurs, and how women approach politics through different strategies and activism. Prerequisite: 2.0 POST credits at the 2000-level or permission of instructor. Recommended: POST – CAST 2010Y (201), POST 2230Y (223) or 2400Y (240). Excludes POST – CAST – WMST 367.

POST – SOCI 3820H – Protest, contention and social movements (see Sociology)**POST – WMST 3880Y/3881H – The politics of gender and globalization (see Gender & Women's Studies)**

POST 3900Y, 3901H, 3902H, 3903H – Reading course in political studies

Open only to students majoring in Political Studies and designed to provide an opportunity for more intensive examination of material studied in other politics courses. Prerequisite: 80% average in all POST courses completed or permission from the chair.

POST 3905Y, 3906H – Reading course (GP)

Allows students to pursue a specialized topic under the supervision of a Global Power & Politics faculty member. Students wishing to pursue this option have to complete arrangements for the course by April 30 of the preceding academic year (October 31 for winter term courses). Prerequisite: POST 2200Y (220) or 2230Y (223), and prior approval of instructor.

POST 3960Y – Socialism: theory and practice (GP)

This course explores the significance of socialist politics and Marxist analysis under neoliberal globalization. Surveys philosophy, political economy, ideology; communism, social democracy, post-communist transformations; Eastern Europe, China, Cuba. Prerequisite: 2.0 POST credits at the 2000-level or permission of instructor. Strongly recommended: POST 2200Y (220). Excludes POST 395.

POST 4020D – Honours thesis

A double credit. A scholarly project on a specific topic to be developed and carried out under the supervision of a member of the department. Prerequisite: 15.0 university credits, including 5.0 POST credits that include one of POST – PHIL 2350Y (235) or POST 3330Y (333) and an 80% average on all POST courses completed; or permission from the chair.

POST 4030Y – Thesis option – Emphasis in Global Power and Politics (GP)

This course allows advanced students to write a Thesis under the supervision of a Global Power & Politics faculty member. Students wishing to pursue this option must complete arrangements for the course by April 30 of the preceding academic year. Prerequisite: POST 2200Y (220) or 2230Y (223), 2.0 POST (GP) credits at the 3000-level, an average of 75% or better on all POST (GP) courses completed, and permission of instructor.

POST – CUST 4051Y – Theories of cultural politics (see Cultural Studies)**POST – CAST 4055H – Contemporary Canadian problems**

A survey of contemporary Canadian public policy issues with an emphasis on activities within policy networks and the formulation of alternative policy solutions. Prerequisite: 15.0 university credits, including 5.0 POST credits that include POST – CAST 2010Y (201) and one of POST – PHIL 2350Y (235) or POST 3330Y (333); or permission of instructor. Excludes POST – CAST 405, 405H, 406H.

POST 4070Y – Community engagement and leadership internship in the era of globalization

This course combines scholarly knowledge of social movements with the “hands-on” experience of working with a community organization in the Peterborough area. Students will learn from this course how relations between the state and social movements have changed and continue to change in the neoliberal period. Prerequisite: 15.0 university credits with an overall cumulative average of at least 75%, including 5.0 POST credits that include one of POST – PHIL 2350Y (235) or POST 333; or permission of instructor. Recommended: POST 2010Y.

POST – CAST 4080Y – Canadian politics and public policy: Finding the right balance

This course explores the Canadian process of developing public policy. It examines the Privy Council Office (PCO), the Prime Minister's Office (PMO), Parliament, political parties, provinces, Non-governmental Organizations (NGOs), and others. It explores key players in each and deals with the linkages between the bureaucratic and political processes. Prerequisite: 15.0 university credits, including 5.0 POST credits that include one of POST – PHIL 2350Y (235) or 3330Y (333); or permission of instructor. Excludes POST – CAST 405, 405H, 406H, 406.

POST 4200H – Politics of globalization I: Thinking critically, thinking globally (GP)

“Thinking globally” has become a watchword of living in an era of globalization. Drawing on current theories of world politics, as well as insights afforded by social and political theory, this course explores the issue of how to think critically in global terms. Prerequisite: 15.0 university credits, including 5.0 POST credits that include POST 2200Y (220) and one of POST – PHIL 2350Y (235) or POST 3330Y (333); or permission of instructor. Excludes POST 420H, 426H.

POST 4210Y – Advanced seminar – Emphasis in Global Power & Politics (GP)

This course is designed primarily for Global Power & Politics Emphasis students in their final year of study. Methods and critical approaches to global politics are studied from a cross-disciplinary perspective and through key works in the recent literature. Prerequisite: 2.0 POST (GP) credits or permission of instructor. Excludes POST 421.

POST 4220H – Marxist theory in global perspective (GP)

From the beginning, theorists in the Marxist tradition have taken a global perspective. This course will survey the work of theorists from Marx and Engels, through Lenin, Bukharin, and Luxemburg to Gramsci, Wallerstein and Cox, and their analyses of capitalist expansion by means of categories such

as classical imperialism and uneven development. Prerequisite: POST 220 or 223 or permission of instructor.

POST – IDST 4230H – Global civil society (see International Development Studies)

POST – CAST – IDST 4240Y – Canada, globalization, and international development (see International Development Studies)

POST – IDST 4250H – Topics in global political economy (see International Development Studies)

POST 4260H – Global governance and social justice

This course will provide an in-depth discussion of the relationship between global governance and social justice. Particular attention will be paid to global institutions such as the UN and the World Bank to highlight issues of social justice on a global scale. Prerequisite: 15.0 university credits, including 5.0 POST credits that include POST 2230Y (223) and one of POST – PHIL 2350Y (235) or POST 333; or permission of instructor. Excludes POST 420H, 426H.

POST – IDST 4270Y – Democracy and global order

This course examines the meaning and the prospects for democracy in the age of globalization in light of the constraints and opportunities for democratic institutions and practices imposed by the international order, the global market, political culture and ideology. Prerequisite: 15.0 university credits, including 5.0 POST credits that include one of POST – PHIL 2350Y (235) or POST 3330Y (333); or permission of instructor. Excludes POST – IDST 427H, 427.

POST 4280Y/4281H – Government and politics in the Middle East

The course examines the main issues and actors (state and non-state) of the contemporary Middle East. It focuses on the importance of political, social, economic and ideological factors in the context of such issues as the resilience of authoritarianism, gender, the rise of civil society and the resurgence of Islamic activism. Prerequisite: 15.0 university credits, including 5.0 POST credits that include one of POST – PHIL 2350Y (235) or POST 333; or permission of instructor. Students may take only one of POST 4280Y or 4281H for credit.

POST – WMST 4300Y – Feminists theorize the political: Contemporary feminist philosophy

Themes and texts will be selected from the writings of Simone de Beauvoir, Judith Butler, Drucilla Cornell, Nancy Fraser, Luce Irigaray, Julia Kristeva, Chantal Mouffe and Iris Young. Prerequisite: 15.0 university credits, including 5.0 POST credits that include one of POST – PHIL 2350Y (235) or POST 333; or permission of instructor. Excludes POST – WMST 430.

POST 4320Y – The politics of recognition

Identity and rights in the politics of late-modern societies: the interplay between older forms of politics and the law; challenges of new conceptions of the self and society such as gender politics and the women's movement, Native citizenship, Charter politics, Québécois nationalism and multiculturalism. Prerequisite: 15.0 university credits, including 5.0 POST credits that include one of POST – PHIL 2350Y (235) or POST 333; or permission of instructor. Excludes POST 432.

POST 4330Y – Theories of power and resistance

An examination of challenges to conventional liberal discourse advanced in the theories of power and resistance that we find in a range of figures, from Marx to Nietzsche to more contemporary writers such as Foucault and Irigaray. We will consider the subject amid the forces that structure a field of political action. Prerequisite: 15.0 university credits, including 5.0 POST credits that include one of POST – PHIL 2350Y (235) or POST 333; or permission of instructor. Excludes POST 433H, 433.

POST 4340H – Colonial and post-colonial theory (GP)

This course analyzes the relationship between Western political thought and the project of imperialism. In it we engage the work of key figures in "post-colonial theory" (e.g., Said, Spivak,) as well as precursors (e.g., Fanon, Guevara) as a way of understanding forms of domination in the contemporary global order. Prerequisite: 2.0 POST (GP) credits. Strongly recommended: POST 4200H (420H). Excludes POST 434H.

POST – CAST – HIST 4350Y – History of the radical book in Canada 1860-1970 (see Canadian Studies)

POST – CAST – WMST 4430Y/4431H – Women, the welfare state and globalization in Canada (see Gender & Women's Studies)

POST – CAST 4440Y/4441H – Space, power and citizenship (see Canadian Studies)

POST – CAST – GEOG 4555H – City, economy, and society: Urban restructuring and the global economy

Focuses on contemporary issues facing Canadian cities in comparative perspective. It locates cities within the global circuit of capital, examines the ways in which cities are being reordered to enhance their global competitiveness and standing, and analyses the effects of restructuring on communities and the struggles for social justice. Prerequisite: 14.0 university credits or permission of instructor.

POST – CAST – ERST 4600H – Public policy in global perspective (see Environmental & Resource Science/Studies)

POST – ERST – IDST 4610H – Global environmental policy (see Environmental & Resource Science/Studies)

POST – CAST – HIST 4770Y – Studies in Canadian social policy (see Canadian Studies)

POST – ANTH 4830H – Anthropology of food politics (See Anthropology)

POST 4870Y – Community-based research project

Students are placed in research projects with community organizations in the Peterborough area. Each placement is supervised jointly by a faculty member and a representative of a community organization. For details, see Community-Based Education program ([p. 245](#)). Prerequisite: at least 10.0 university credits, with an overall cumulative average of at least 75%.

POST 4900Y, 4901H, 4902H, 4903H – Reading course in political studies

Open only to students in the fourth year of a Political Studies major program. Alternatively a student may do an internship, involving field and written work in an area related to politics. For further details, see the department website. Prerequisite: 80% average in all POST courses completed or permission from the chair.

POST 4905Y, 4906H – Reading course (GP)

Allows students to pursue a specialized topic under the supervision of a Global Power and Politics faculty member. Students wishing to pursue this option have to complete arrangements for the course by April 30 of the preceding academic year (October 31 for winter term courses). Prerequisite: POST 2200Y (220) or 2230Y (223), 2.0 POST (GP) credits at the 3000-level, and permission of instructor.

POST 4950H – Environmental politics and global order

This course examines the contemporary politics of environmental crises within the context of globalization, exploring the implications and consequences of managing the environment through the logic of the market. Examples from the politics of global warming, biodiversity conservation, multilateralism, consumption, and environmental justice will be considered. Prerequisite: 15.0 university credits, including 5.0 POST credits that include one of POST – PHIL 2350Y (235) or POST 3330Y (333); or permission of instructor.

POST 4960H – Politics of globalization II: The global imagination (GP)

This course will draw on C. Wright Mills' notion of the "sociological imagination" – in particular, the link between "personal troubles of milieu" and "public issues of social structure" – to frame the question of globalization. The course makes use not only of scholarly literature, but also fiction and film. Prerequisite: 15.0 university credits, including 5.0 POST credits that include POST 4200H (420H) and one of POST 2350Y (235) or 3330Y (333); or permission of instructor.

Psychology

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Associate Professor and Chair of the Department

E. Scharfe, B.A. (Western), M.A., Ph.D. (Simon Fraser)

Professors

D. J. Kennett, B.A., Ph.D. (McMaster); **J. D. A. Parker**, B.A. (Simon Fraser), M.A., Ph.D. (York)

Associate Professors

J. B. Aubrey, M.Sc., Ph.D. (Alberta); **B. Bauer**, M.A., Ph.D. (Waterloo); **F. A. Bleasdale**, B.A. (Toronto), M.A., Ph.D. (Western); **R. Coughlan**, M.A., Ph.D. (Victoria); **T. DeCicco**, B.Sc. (Manitoba), M.Sc. (Trent), Ph.D. (York); **T. P. Humphreys**, M.A. (Wilfrid Laurier), Ph.D. (Guelph) (*on leave 2011-2012*); **N. Im-Bolter**, M.A., Ph.D. (York) (*on leave Winter term*); **L. Kerr**, B.Sc., M.Sc. (Carleton), Ph.D. (British Columbia) (*on leave 2011-2012*); **M. Liu**, M.Ed. (Shanghai), M.A., Ph.D. (Western); **K. Peters**, M.A., Ph.D. (British Columbia); **B. Smith-Chant**, B.A. (Trent), M.A., Ph.D. (Carleton); **L. J. Summerfeldt**, M.A., Ph.D. (York)

Assistant Professors

A. Archer, B.A. (Trent), B.Ed. (Nipissing), M.Ed. (Western), Ph.D. (Toronto) (*on leave*); **L. Brown**, B.Sc., M.Sc. (Waterloo), M.S., Ph.D. (Pennsylvania); **M. Chan-Reynolds**, B.Sc. (Trent), M.A., Ph.D. (Waterloo); **H. Lehmann**, M.Sc. (Alberta), Ph.D. (Concordia)

Adjunct Faculty

W. Ammons, M.A., Ph.D. (Toronto); **I. D. R. Brown**, B.A. (Queen's), M.A. (Waterloo), Ph.D. (Toronto); **M. Hogan**, B.Sc., M.Sc. (Trent), Ph.D. (Toronto)

Professors Emeriti

C. H. Ernest, B.A. (Saskatchewan), M.A., Ph.D. (Western); **G. T. Reker**, B.A. (McMaster), M.A.Sc., Ph.D. (Waterloo); **C. T. Smith**, B.Sc. (Manitoba), M.A., Ph.D. (Waterloo); **G. Winocur**, M.A. (Manitoba), Ph.D. (Waterloo); **P. T. P. Wong**, B.A. (Carleton), M.A., Ph.D. (Toronto)

Psychology is defined as the scientific study of behaviour and the mind. As such, psychological research provides insight into questions on topics such as newborn infants' preference for their mother's voice, the link between personality and academic achievement or physical health, how sleep influences learning and memory, the identification of individuals who are at risk for Alzheimer's disease or cancer, sexual negotiation and behaviour in young adults, or even how you understand these words you are reading right now. Psychology is a scientific discipline with a multitude of practical applications: it deals with every aspect of our lives, and in its application of scientific methods to questions of human concern, it helps us to better understand how and why people act, think and feel the way they do. The Psychology program at Trent ensures that students acquire research skills and a broad-based background in the basic content of the discipline, and that they have the opportunity at upper levels to focus on more specialized topics and to become involved in original research.

Notes

- 60% or higher in PSYC 1020H (102H) and 1030H (103H) (or in PSYC 1010Y or 101) is a prerequisite for all upper-level Psychology courses.
- A 4U Mathematics course is strongly recommended for students who plan to major in Psychology.
- All courses in Psychology fulfill University science course requirements for the B.Sc.
- Any course involving work with live vertebrate animals requires the Animal Care Course which is described on [p. 30](#) of the calendar. The Animal Care Course requirement is indicated in some course descriptions but may also apply to others. Check with the department secretary or course instructor if in doubt.
- For non-majors taking courses where PSYC 2016H or 2017H (or 215) is a prerequisite, a statistics course in another discipline may be substituted, but only if the permission of the department has been granted.
- A maximum 2.0 credits consisting of either reading courses (PSYC 3900Y (390), 3901H (391H), 3902H (392H), 4900Y (490), 4901H (491H) and 4902H (492H)) or research practicum courses (PSYC 3801H (387H), 3802H (388H), 4801H (487H) and 4802H (488H)) may be counted towards the course requirements for a major or joint-major degree in Psychology.
- Offerings of 4000-level courses change from year to year. A listing of the 4000-level courses for 2011–2012 is published in the Psychology Student Handbook, available in March 2011 (department office and website, www.trentu.ca/psychology).
- Students who have fulfilled the requirements for a single-major Honours degree in another subject may apply to the Office of the Registrar for a minor in Psychology if they have met the requirements for the joint-major General degree in Psychology (see below).

BACHELOR OF ARTS AND BACHELOR OF SCIENCE PROGRAMS IN PSYCHOLOGY

- See [p. 28](#) for requirements which apply to all undergraduate degree programs.
- The same course may not simultaneously satisfy the requirements of both programs in a joint-major degree.
- There are two Honours degrees in Psychology, the course option and thesis option. For the requirements, see below.
- The Psychology department offers both a B.A. and a B.Sc. degree. The B.Sc. differs from the B.A. only in the requirement for a minimum number of science credits (see below).
- Students completing the major or joint-major B.Sc. in Psychology require PSYC 2016H and 2017H (or 215) plus 10.0 additional science credits for the General degree or 13.0 additional science credits for the Honours degree. PSYC 2016H and 2017H (or 215) fulfill the requirement for one credit in Mathematics for the B.Sc. in Psychology.
- Most courses at the 2000- and 3000-level in the department are assigned to one of two categories (Natural Science or Social Science). Students in the single-major or joint-major program in Psychology must include in their program a range of courses chosen from each category, as indicated in the requirements for the various degree options.

A2: Natural Science	A3: Natural Science	B2: Social Science	B3: Social Science
2200H (222H)	3210H (375H)	2300H (240H)	3300H (341H)
2400H (225H)	3220H (376H)	2310H (236H)	3510H (381H)
2450H (202H)	3230H (372H)	2500H (281H)	3550H (363H)
2600H (227H)	3420H (303H)	2700H (272H)	3560H (384H)
	3430H (352H)		3580H (383H)
	3440H (379H)		3590H (308H)
	3450H (307H)		3730H (300H)
	3460H (366H)		3740H (304H)
	3610H (323H)		3750H (343H)
			3760H (355H)
			3780H (373H)

- All students intending to enter the single-major or joint-major program in Psychology should consult the Psychology department (psychology@trentu.ca).
- PSYC 333 will not be offered after July 1, 2005. Students who have completed PSYC 333 prior to that date may count it in lieu of PSYC 3015Y (315) as fulfilling course-based Honours program requirements.

The single-major Honours program. (Course or Thesis Options available.) 20.0 credits including the following 10.0 credits:

- 3.0 PSYC credits consisting of PSYC 1020H (102H) and 1030H (103H) (or 1010Y or 101), 2016H and 2017H (or 215) and 3015Y (315)
- 0.5 PSYC credit from A2
- 0.5 PSYC credit from B2
- 1.0 PSYC credit from A3
- 1.0 PSYC credit from B3
- 1.0 PSYC credit in addition to the above at the 4000-level
- 3.0 PSYC credits; select from Course Option or Thesis Option:
 - for Course Option:* 3.0 PSYC credits in addition to the above, at least 2.0 beyond the 2000-level, OR
 - for Thesis Option:* 3.0 PSYC credits in addition to the above, including PSYC 4020D (double-credit thesis) and 1.0 PSYC credit beyond the 2000-level
- for the B.Sc., 14.0 science credits are required for the Honours degree

The joint-major Honours program. (Course or Thesis Options available.) 20.0 credits including the following 8.0 credits:

- 3.0 PSYC credits consisting of PSYC 1020H (102H) and 1030H (103H) (or 1010Y or 101), 2016H and 2017H (or 215) and 3015Y (315)
- 0.5 PSYC credit from A2
- 0.5 PSYC credit from B2
- 1.0 PSYC credit from A3
- 1.0 PSYC credit from B3
- 1.0 PSYC credit in addition to the above, at the 4000-level
- 1.0 PSYC credit; select from Course Option or Thesis Option:
 - for Course Option:* 1.0 PSYC credit in addition to the above, beyond the 2000-level, OR
 - for Thesis Option:* PSYC 4010Y (single-credit thesis)
- for the B.Sc., 14.0 science credits are required for the Honours degree

The single-major General program. 15.0 credits including the following 6.0 credits:

- 2.0 PSYC credits consisting of PSYC 1020H (102H) and 1030H (103H) (or 1010Y or 101) and 2016H and 2017H (or 215)
- 0.5 PSYC credit from A2
- 0.5 PSYC credit from B2

- 0.5 PSYC credit from A3
- 0.5 PSYC credit from B3
- 2.0 PSYC credits in addition to the above, at least 1.0 beyond the 2000-level
- for the B.Sc., 11.0 science credits are required for the General degree

The joint-major General program. 15.0 credits including the following 5.0 credits:

- 2.0 PSYC credits consisting of PSYC 1020H (102H) and 1030H (103H) (or 1010Y or 101) and 2016H and 2017H (or 215)
- 0.5 PSYC credit from A2
- 0.5 PSYC credit from B2
- 0.5 PSYC credit from A3
- 0.5 PSYC credit from B3
- 1.0 PSYC credit in addition to the above, at least 0.5 beyond the 2000-level
- for the B.Sc., 11.0 science credits are required for the Honours degree

The minor in PSYC consists of the following 5.0 credits:

- 2.0 PSYC credits consisting of PSYC 1020H (102H) and 1030H (103H) (or 1010Y or 101) and 2016H and 2017H (or 215)
- 0.5 PSYC credit from A2
- 0.5 PSYC credit from B2
- 0.5 PSYC credit from A3
- 0.5 PSYC credit from B3
- 1.0 PSYC credit in addition to the above, at least 0.5 beyond the 2000-level

Please consult the academic timetable, available through myTrent, for information on courses that will be offered in 2011–2012 including when they will be scheduled.

PSYC 1020H – Introduction to Psychology part 1: Experimental and biological bases of behaviour

A survey of some of the major areas of psychology, including its historical development and scientific methodology. Course content includes material on statistics, the biological bases of behaviour, sensory and perceptual processes, as well as a consideration of cognition and memory processes. (For information about web-based versions of this course contact the department.) Excludes PSYC 1010Y (101), 102H.

PSYC 1030H – Introduction to Psychology part 2: Social and personality perspectives

A survey of some of the major areas of psychology. Course content includes material on statistics, child and adult development, motivation and emotion, intelligence, personality, health psychology, psychological disorders and their treatment as well as consideration of some aspects of social psychology. (For information about web-based versions of this course contact the department.) Excludes PSYC 1010Y (101), 103H.

PSYC 2010H – Thinking critically about psychology

This course applies the principles of critical thinking to the field of psychology. The major sub-disciplines and methodology within psychology will be examined from a critical thinking perspective. Emphasis will also include how to read and write critically in psychology. Highly recommended for all Psychology majors. Prerequisite: 60% or higher in PSYC 1020H (102H) and 1030H (103H) (or in PSYC 1010Y or 101). PSYC 2016H is strongly recommended as co-requisite.

PSYC 2016H – Basic research methods and statistics I

An introduction to methodological, statistical and computer techniques in psychological research and the application of these techniques to empirical research in the discipline. The focus is on descriptive statistics, an introduction to probability, and correlation procedures. (For Psychology majors and joint-majors, this course fulfils the Mathematics requirement for the B.Sc.). Prerequisite: 60% or higher in PSYC 1020H (102H) and 1030H (103H) (or in PSYC 1010Y or 101). Excludes PSYC 215.

PSYC 2017H – Basic research methods and statistics II

A continuation of the introduction to methods and statistical procedures in psychological research, focusing on inferential statistics. Includes hypothesis testing procedures such as dependent and independent t-tests, one- and two-way ANOVA, and repeated measures ANOVA. (For Psychology

majors and joint-majors, this course fulfils the Mathematics requirement for the B.Sc.). Prerequisite: 60% or higher in PSYC 2016H. Excludes PSYC 215.

PSYC 2200H – Introduction to physiological psychology

Basic neuroanatomy of the mammal with emphasis on the human nervous system. Examination of sensory and motor systems as well as the physiological mechanisms of behaviour, behaviour disorders and memory. Prerequisite: 60% or higher in PSYC 1020H (102H) and 1030H (103H) (or in PSYC 1010Y or 101). Excludes PSYC 222H, 221.

PSYC 2300H – Introductory abnormal psychology

This course is designed to provide students with a background in theoretical, empirical, and conceptual issues central to the field of abnormal psychology, and to introduce students to contemporary diagnostic frameworks. Specific attention will be paid to the role of prevailing theoretical perspectives in the understanding, investigation, and treatment of psychopathology. Prerequisite: 60% or higher in PSYC 1020H (102H) and 1030H (103H) (or in PSYC 1010Y or 101). Excludes PSYC 240H, 340.

PSYC 2310H – Introduction to personality theory

A cross-section of personality theories and theorists will be examined: psychoanalytic, neopsychoanalytic, trait, phenomenological, behavioural and social-learning. Prerequisite: 60% or higher in PSYC 1020H (102H) and 1030H (103H) (or in PSYC 1010Y or 101). Excludes PSYC 236H, 235.

PSYC 2400H – Introduction to cognitive psychology

This course focuses on humans as processors of information. Topics include perception, attention, memory, knowledge, consciousness and reasoning. Prerequisite: 60% or higher in PSYC 1020H (102H) and 1030H (103H) (or in PSYC 1010Y or 101). Excludes PSYC 225H, 306, 351.

PSYC 2450H – Psychology of language

A survey of research and theory on psycholinguistics and the psychology of language. Topics covered include syntactic theory, the representation of meaning in language, the relation between cognition and language, language acquisition in children, individual differences in language use, bilingualism and language disorders. Prerequisite: 60% or higher in PSYC 1020H (102H) and 1030H (103H) (or in PSYC 1010Y or 101). Excludes PSYC 202H, 302H, 365.

PSYC 2500H – Child development

A survey course dealing with the theoretical and empirical research bases of child development and child psychology as a scientific discipline. Topics covered include theories of development, research methods, biological foundations, basic psychological processes in children, cognitive and intellectual development, social and emotional development, and family and peer influences on children's behaviour. Prerequisite: 60% or higher in PSYC 1020H (102H) and 1030H (103H) (or in PSYC 1010Y or 101). Excludes PSYC 281H, 280.

PSYC 2600H – Introduction to learning

An examination of the fundamental concepts of learning in humans and animals. Emphasis is placed on empirical methods of investigation. Applications to choice behaviour, self-control and education are included. Prerequisite: 60% or higher in PSYC 1020H (102H) and 1030H (103H) (or in PSYC 1010Y or 101). Excludes PSYC 227H, 320 and 351.

PSYC 2700H – Introduction to social psychology

An examination of the foundations of social psychology including attribution processes, social cognition, attitudes, prejudice, attraction, aggression, helping behaviours, groups and conflict. Prerequisite: 60% or higher in PSYC 1020H (102H) and 1030H (103H) (or in PSYC 1010Y or 101). Excludes PSYC 272H, 271.

PSYC – PHIL 2770Y – Philosophy of mind (see Philosophy)

Not counted as part of the minimum requirements for the General or Honours degrees in Psychology.

PSYC 3015Y – Advanced statistics and research design

An intensive study of the application of statistical techniques to a variety of research questions and experimental designs. Focus is on the laws of probability, techniques of analysis of variance and covariance, correlation, regression and multivariate procedures. Prerequisite: 8.0 university credits including 60% or higher in PSYC 2016H and 2017H (or 215). Excludes PSYC 315.

PSYC 3110H – Basic psychometrics

A basic introduction to the principles of educational and psychological test construction and development that would be very beneficial to students pursuing careers in the school system. Topics include classical test theory, correlational methodology, item analysis, reliability, validity, and norms. Working knowledge of the Statistica software program is assumed. Prerequisite: 8.0 university credits including 60% or higher in PSYC 2016H and 2017H (or 215). Excludes PSYC 332H, 333.

PSYC – BIOL 3210H – Principles of the nervous system

An intensive coverage of the central nervous system, its anatomy and physiological interactions. The course emphasizes subcortical and cortical brain structures and their functional characteristics. Prerequisite: 8.0 university credits including PSYC 2200H (222H) or 221 or one of BIOL 2070H (207H), 2110H (211H), 2130H (213H) or 3840 (384H). Excludes PSYC – BIOL 375H.

PSYC – BIOL 3220H – Neuropsychology

An examination of the relationship between brain function and psychological processes, drawing heavily from contemporary research involving humans and animals and describing the neural bases for such psychological processes as learning, memory, language and emotion. Special attention is given to behavioural abnormalities resulting from brain pathology. Prerequisite: 8.0 university credits including PSYC 2200H (222H) or 221 or PSYC – BIOL 3210H (375H). Excludes PSYC – BIOL 376H.

PSYC 3230H – Sleep and arousal

A description of the states of sleep using electrophysiological, physiological and behavioural terms, exploration of the nature of normal sleep in various species, examination of the nature of sleep disorders, consideration of the various theories of the functions of sleep. Prerequisite: 8.0 university credits including 0.5 credit from A2 category. Excludes PSYC 372H.

PSYC 3300H – Advanced abnormal psychology

This course is designed to explore in depth a cross-section of basic topics in abnormal psychology with emphasis upon specific diagnostic categories. Topics include anxiety, somatoform, mood, psychotic, and substance-related disorders. Clinical features, theoretical models of their development, maintenance, and treatment, and associated paradigms and findings will be addressed. Prerequisite: 8.0 university credits including PSYC 2300H (240H). Excludes PSYC 341H, 340.

PSYC – BIOL 3360H – Behavioural ecology (see Biology)

Not counted as part of the minimum requirements for the General or Honours degree in Psychology.

PSYC 3420H – Emotion

A survey of theory and research on human and animal emotion. Topics covered include the definition, measurement, evolution, development, control, physiology and neurology of emotions, as well as the connections between emotions, cognitions and consciousness. Prerequisite: 8.0 university credits including PSYC 2400H (225H) or 306 or 351. Excludes PSYC 303H, 396H.

PSYC 3430H – Memory

This course examines the processes and strategies underlying memory phenomena in humans, including their application to real-world events. Topics considered include imagery; working memory; memory as a constructive process; emotion and memory; implicit/explicit memory; memory disorders; and abilities and memory. Prerequisite: 8.0 university credits including PSYC 2016H and 2017H (or 215), and PSYC 2400H (225H). Excludes PSYC 352H, 306, 351.

PSYC 3440H – Aging and cognition

A detailed examination of the changes in cognitive functioning that accompany the aging process. While consideration will be given to the alterations in nervous and sensory systems that help explain decrements, attention will also be focused on the experiential factors that lead to maintenance and improvements in many cognitive skills. Prerequisite: 8.0 university credits including PSYC 2016H and 2017H (or 215), and one of PSYC 2400H (225H), 306, 351. Excludes PSYC 379H, 380, 480.

PSYC 3450H – Psychology of reading

A research-oriented examination of the reading process seen as coordinating print and meaning, with an emphasis on the relation between reader and text. Topics covered include psycho-linguistic theory, research methodologies, letter and word recognition, text comprehension, the acquisition of reading skill, individual differences in reading ability, and reading disorders. Prerequisite: 8.0 university credits including PSYC 2016H and 2017H (or 215), and one of PSYC 2450H (202H), 2400H (225H), 306, 351. Excludes PSYC 307H, 365.

PSYC 3460H – Sensation and perception

An intensive examination of how humans (and other species) perceive information presented to the senses. Topics include mechanisms of perception, detection, discrimination and pattern recognition. Psychophysical measurement, colour and spatial vision, hearing, taste, smell, and touch may be covered. Anatomical and physiological structures that support the senses are discussed. Prerequisite: 8.0 university credits including PSYC 2016H and 2017H, (or 215), and 0.5 credit from A2 category. Excludes PSYC 366H, 306.

PSYC 3510H – Development of adolescents and young adults

This course is designed to examine developmental theory and research in the area of development of adolescents and young adults. Topics include different theoretical views of physical, cognitive, moral and identity development and developmental issues in the contexts of family, peers, school and work. Prerequisite: 8.0 university credits including PSYC 2500H (281H) or 280. Excludes PSYC 381H.

PSYC 3550H – Adult development and aging: Psychosocial perspectives

Examines theory and research of aging within the framework of the life span perspective. Topics to be covered include theories of aging, lifestyle factors, personality, stress and coping, social resources, mental attitudes (optimism and personal meaning), death attitudes, and Alzheimer's disease. Prerequisite: 8.0 university credits including PSYC 2500H (281H) or 280. Excludes PSYC 363H, 380, 480.

PSYC 3560H – Family development

This course will expose the student to current life-span developmental theory and research methodology in the area of family relationships. Topics to be covered include family-systems theory, attachment theory, Erikson's psychosocial theory, developmental interaction in the child-rearing years, family life transitions, challenging issues of contemporary parenting. Prerequisite: 8.0 university credits including PSYC 2500H (281H) or 280; or 60% or higher in 1020H (102H) and 1030H (103H) or in PSYC 1010Y (101) and 4.0 Nursing credits. Excludes PSYC 384H.

PSYC 3580H – Development of individuals with exceptionalities

This course is designed to examine developmental theory and research in the area of exceptional development. Topics include developmental difficulties for individuals with intellectual, vision or hearing impairments, individuals with physical disabilities and individuals with autism. Practical and theoretical implications of research will be emphasized. Prerequisite: 8.0 university credits including PSYC 2500H (281H) or 280. Excludes PSYC 383H, 382.

PSYC 3590H – Psychology of education

An examination of the history, research methodology, theories of learning, structure of intellect, and assessment procedures within the field of educational psychology. This course will focus on the current, and sometimes controversial, issues which are at the forefront of research on and discussions of the relationship between psychological principles and educational practice. Prerequisite: 8.0 university credits including 1.0 PSYC 2000-level credit other than PSYC 2016H and 2017H (or 215). Excludes PSYC 308H, 301.

PSYC 3610H – Behaviour modification

The application of principles of learning and motivation to practical situations including teaching, child rearing, public institutions and everyday life settings. The two areas of concentration are: a) basic principles of learning and b) their application. Prerequisite: 8.0 university credits including PSYC 2600H (227H). Excludes PSYC 323H, 320.

PSYC 3730H – Intimate relationships

An examination of the development, maintenance and breakdown of friendship and intimate relationships with emphasis upon individual differences in both quality and quantity of these relationships. Prerequisite: 8.0 university credits including PSYC 2700H (272H) or 271. Excludes PSYC 300H.

PSYC – WMST 3740H – Psychology of gender

An examination of models of gender role orientation and the relationship of gender roles to social cognition and social behaviours with particular emphasis upon physical and mental well being. Prerequisite: 8.0 university credits including PSYC 2700H (272H) or 271. Excludes PSYC 304H.

PSYC 3750H – Health psychology

Examines current views on the interface between psychosocial processes and physical health, focusing on theory-based psychological research and the practice of health psychology. Topics include models of health and illness, research methods employed, the impact of chronic illness on psychological well-being, and lifestyle and risk factors in various medical disorders. Prerequisite: 8.0 university credits including PSYC 2016H and 2017H (or 215) and 1.0 other 2000-level PSYC credit; or 60% or higher in PSYC 1020H (102H) and 1030H (103H) or in PSYC 1010Y (101), NURS 2030H, 4.0 additional NURS credits, and co-registration in NURS 3030H. Excludes PSYC 343H, 353, 450.

PSYC – WMST 3760H – Human sexuality

This course examines biological and social psychological components of human sexual development and behaviour from a life-span perspective in the North American context. Attention is given to formal and informal sexual socialization and to laws regulating sexual behaviour, with an emphasis on psychological research and theory and differing value perspectives. Prerequisite: 8.0 university credits including PSYC 2700H (272H) or 271. Excludes PSYC – WMST 355H.

PSYC 3780H – Dreams and dreaming

An examination of the history of the meaning and use of dreams in various cultures, modern approaches to the study of dream material, relation of dreams to age, gender, social and cultural groups using content analysis, correlation of dream content to mental and physical health, lucid dreaming. Prerequisite: 8.0 university credits including one of PSYC 2200H (222H), 221, 2310H (236H), 235. Excludes PSYC 373H. (Offered only in Oshawa.)

PSYC 3801H – Research practicum 1

A course designed to allow students in the third year of the Psychology Honours degree program to pursue research activities under the direction of a department faculty member, normally within

that person's ongoing research program. Prerequisite: 8.0 university credits including 75% or higher in PSYC 2016H and 2017H (or 215); successful completion of 3.0 PSYC credits; Honours standing; specific course prerequisites depending on the faculty supervisor; and permission of the department. Consult the student handbook for a list of participating faculty members. Excludes PSYC 387H.

PSYC 3802H – Research practicum 2

A course designed to allow students in the third year of the Psychology Honours degree program to pursue research activities under the direction of a department faculty member, normally within that person's ongoing research program. Prerequisite: 8.0 credits including 75% or higher in PSYC 2016H and 2017H, (or 215); successful completion of 3.0 PSYC credits; Honours standing; specific course prerequisites depending on the faculty supervisor; and permission of the department. Consult the student handbook for a list of participating faculty members. Excludes PSYC 388H.

PSYC 3900Y, 3901H, 3902H – Reading course

A course designed to allow advanced students in Psychology to pursue independent study under the direction of departmental faculty. Prerequisite: Honours standing; 8.0 university credits including PSYC 2016H and 2017H (or 215); specific course prerequisites depending on the supervisor; and permission of the department.

PSYC 4010Y, 4020D – Honours thesis

Students design and execute a major piece of psychological research under the supervision of departmental faculty and participate in periodic workshops and departmental colloquia. PSYC 4020D is a double credit for Psychology majors; PSYC 4010 is a single credit involving submission of the same thesis to the other department/program of a joint-major. The thesis should be taken in the final year of the student's degree. Prerequisite: PSYC 3015Y (315) with a grade of 75% or higher; at least 0.5 credit from each of A2, B2, A3 and B3 categories; an average of 75% or higher in all PSYC courses completed; and permission of the department.

PSYC – SOCI 4120H – Qualitative research and analysis

An introduction to contemporary debates and practical strategies of qualitative research focusing on arguments current in critical and feminist theory which underpin Grounded Theory, Interpretive Phenomenology and various discourse analytical approaches. Students will also gain skills in the use of in-depth interviews, focus groups, narrative analysis, discourse analysis, action and participatory research. Prerequisite: 60% minimum grade in PSYC 2016H and PSYC 2017H (215); or SOCI 3160H (316) or equivalent prerequisites; and 8.0 university credits. Excludes PSYC – SOCI 473H.

PSYC 4130H – Critical psychology

This course examines embedded theoretical and methodological assumptions of mainstream psychology and how the generation of such knowledge products support particular political and ideological goals. We will discuss alternative conceptions and subjects more consistent with an emancipatory world view including ethics, critical theory, personality, community, justice, feminist theory & gay perspectives. Prerequisite: Minimum 65% average in completed PSYC courses; PSYC 2700H (272H); 3015Y (315) or 333; and at least 1.0 additional 3000-level PSYC course credit. (PSYC 3015Y will be accepted as a co-requisite, provided the student has successfully completed 15.0 university credits). Excludes PSYC 447H.

PSYC 4170H – History of psychology

This course is designed to give students an overview of the historical and philosophical foundations of modern psychology, defined broadly as humanity's attempts to understand itself. The course explores the development of the discipline from prehistory through the 21st century within a broader intellectual and cultural context. Prerequisite: 10.0 university credits including a minimum of 4.0 PSYC credits. Excludes PSYC 471H, 470.

PSYC 4225H – How the body shapes the mind

This course will examine how perception, cognition, and action are influenced by the sensory and movement capabilities of our bodies. All topics will be approached from a systems-neuroscience perspective. Prerequisite: Minimum 65% average in completed PSYC courses; PSYC 3015Y (315) or 333; PSYC 3460H (366H) or PSYC – BIOL 3220H (376H); and at least 1.0 additional 3000-level PSYC credit. (PSYC 3015Y will be accepted as a co-requisite if the student has successfully completed 15.0 university credits.)

PSYC 4290H – Identifying and predicting dementia

This course will provide an overview of the different types of neurodegenerative dementia (e.g., Alzheimer disease) and the ways in which they are differentiated from one another using biological and neuropsychological approaches. Particular attention will be devoted to research on predicting dementia in various "at-risk" populations. Prerequisite: Minimum 65% average in completed PSYC courses; PSYC 3220H (376H); PSYC 3015Y (315) or 333; and at least 1.0 additional 3000-level PSYC credit. (PSYC 3015Y will be accepted as a co-requisite, if the student has successfully completed 15.0 university credits.) Excludes PSYC 424H.

PSYC 4310H – Psychopathology

Students will explore contemporary psychological models of the development and perpetuation of specific categories of psychopathology through the examination of current research derived from them. Exploration will be made of the implications of these models for research approaches and methodology, and for such clinical issues as treatment. Prerequisite: Minimum 65% average in completed PSYC courses; PSYC 3015Y (315) or 333; PSYC 3300H (341H); and at least 1.0 additional 3000-level PSYC credit. (PSYC 3015Y will be accepted as a co-requisite if the student has successfully completed 15.0 university credits.) Excludes PSYC 435H.

PSYC 4430H – Autobiographical memory

Topics include aspects of autobiographical memory such as its accuracy, emotions, patterns of development and disruption across the lifespan as well as its functions as communication, cultural context and source of anchoring events that have self-directive value. Prerequisite: Minimum 65% average in completed PSYC courses; PSYC 2400H (225H), 351, 365 or 430; 3015Y (315) or 333; and at least 1.0 additional 3000-level PSYC credit. (PSYC 3015Y will be accepted as a co-requisite, provided the student has successfully completed 15.0 university credits.) Excludes PSYC 416H.

PSYC 4460H – Advanced vision science

This course builds on knowledge and principles learned in PSYC 3460H concerning the human visual system, visual psychophysics, and visual perception. Topics include developmental neurobiology, measurement of visual performance, use of ophthalmic instruments, lifespan vision and health, and vision science methods including design and statistical methods in perception research. Prerequisite: Minimum 65% average over all PSYC courses completed; PSYC 3460H (366H); PSYC 3015Y (315) or 333; and at least 1.0 additional 3000-level PSYC credit. (PSYC 3015Y will be accepted as a co-requisite provided the student has successfully completed 15.0 university credits.) (Offered only in Oshawa.)

PSYC 4530H – Cross-cultural human development

Critical thinking and contemporary applications. Topics include theoretical reviews of cross-cultural psychology, methodology, impact of culture on areas of human development, and multicultural approach in schools. Prerequisite: Minimum 65% average in completed PSYC courses; PSYC 3015Y (315) or 333; one of PSYC 2500H (281H), 3730H (300H), 3590H (308H), 3510H (381H); and at least 1.0 additional 3000-level PSYC credit. (PSYC 3015Y will be accepted as a co-requisite if the student has successfully completed 15 university credits). Excludes PSYC 430H.

PSYC 4531H – Cross-cultural psychology and family development

The effect of cross-cultural is developing as an important area of research. We will begin with a review of cross-cultural and cultural psychological theoretical frameworks. Then we will consider various bodies of research that explore issues of acculturation emphasizing the family as a whole and various components of the family. Prerequisite: Minimum 65% average in completed PSYC courses; PSYC 3560H (384H); PSYC 3015Y (315) or 333; and at least 1.0 additional 3000-level PSYC credit. (PSYC 3015Y will be accepted as a co-requisite, if the student has successfully completed 15.0 university credits). Excludes PSYC 431H.

PSYC 4560H – Relationships and health

This course explores lifespan developmental theory and research methodology in the area of personal relationships, emphasizing the influence of attachment relationships on health and wellness. Topics include influence of family and peer attachment relationships on physiology and physiological development, health promotion and health risk behaviours, and risk of disease and disease progression. Prerequisite: Minimum 65% average in completed PSYC courses; PSYC 3560H (384H) or 3730H (300H); PSYC 3015Y (315) or 333; and at least 1.0 additional 3000-level PSYC credit. (PSYC 3015Y will be accepted as a co-requisite, if the student has successfully completed 15.0 university credits). Excludes PSYC 433H.

PSYC 4570H – Language impairment

Topics include theoretical reviews of underlying mechanisms, impact on other areas of development, related and/or associated disorders, assessment, intervention and outcomes. Prerequisite: Minimum 65% average in completed PSYC courses; PSYC 3015Y (315) or 333; one of PSYC 2450H (202H), 2400H (225H), 2500H (281H), 3450H (307H), 3580H (383H); and at least 1.0 additional 3000-level PSYC credit. (PSYC 3015Y will be accepted as a co-requisite, if the student has successfully completed 15.0 university credits). Excludes PSYC 438H. (Offered only in Oshawa.)

PSYC 4580H – The school system and children with exceptionalities

Students in this course will examine a number of different types of developmental exceptionalities with a focus on the school environment. Prerequisite: Minimum 65% average in completed PSYC courses; PSYC 3015Y (315) or 333; one of PSYC 3590H (308H), 3580H (383H) or 301; and at least 1.0 additional 3000-level PSYC credit. (PSYC 3015Y will be accepted as a co-requisite if the student has successfully completed 15.0 university credits). Excludes PSYC 437H.

PSYC 4590H – Cognition and instruction

This is a critical examination of the cognitive basis of various instructional methods and techniques. The course will include both an overview of major theories of learning and in-depth analyses of special instructional applications. Students will apply their knowledge of learning, development, and cognition to acquire a critical understanding of issues in instruction. Prerequisite: Minimum 65% average in completed PSYC courses; one of PSYC 2400H (225H), 2600H (227H) or 3590H (308H); PSYC 3015Y (315) or 333; at least 1.0 additional 3000-level PSYC credit. (PSYC 3015Y will be accepted as a co-requisite, if the student has successfully completed 15.0 university credits). Excludes PSYC 417H.

PSYC 4625H – Neurobiology of learning and memory

This course will deal with questions and views concerning the neural basis of acquisition, consolidation, storage, and retrieval of memories. Levels of analysis will range from a molecular/cellular perspective to a functional anatomy perspective. Prerequisite: Minimum 65% average in completed PSYC courses; PSYC 3015Y (315) or 333; PSYC 2200H (222H), PSYC – BIOL 3210H (375H), or PSYC 2600H (227H); and at least 1.0 additional 3000-level PSYC credit. (PSYC 3015Y will be accepted as a co-requisite if the student has successfully completed 15.0 university credits).

PSYC 4740H – Models of self control

Theoretical models describing goal attainment and healthy adjustment to everyday life challenges will be discussed. Prerequisite: Minimum 65% average in completed PSYC courses; PSYC 3015Y (315) or 333; and at least 1.0 additional 3000-level PSYC credit. (PSYC 3015Y will be accepted as a co-requisite, if the student has successfully completed 15.0 university credits). Excludes PSYC 443H.

PSYC 4760H – Social dimensions of sexuality

A social psychological examination of sexuality. Social psychology and human sexuality are shaped by broader social contexts. Historical, cultural, interpersonal and intrapersonal understandings shape our current knowledge about sex and sexuality. The focus will be on the integration of social psychology and research with social aspects of human sexuality. Prerequisite: Minimum 65% average in completed PSYC courses; PSYC 3015Y (315) or 333; PSYC 3730H (300H) or PSYC – WMST 3760H (355H); and at least 1.0 additional 3000-level PSYC credit. (PSYC 3015Y will be accepted as a co-requisite if the student has successfully completed 15.0 university credits). Excludes PSYC 439H.

PSYC 4780H – Advanced dreams and dreaming

This course will cover the theory and literature on various areas of personality, health and dreams. Students will explore the current research and methodologies. Practical applications will also be discussed in terms of therapy and clinical practice. Prerequisite: Minimum 65% average in completed PSYC courses; PSYC 3015Y (315) or 333 and PSYC 3780H (373H); and at least 1.0 additional 3000-level PSYC credit. (PSYC 3015Y will be accepted as a co-requisite if the student has successfully completed 15.0 university credits). Excludes PSYC 436H. (Offered only in Oshawa.)

PSYC – WMST 4796H – Feminist psychologies (see Gender & Women's Studies)**PSYC 4801H – Research practicum 1**

A course designed to allow students in the fourth year of their psychology Honours degree program to pursue research activities under the direction of a department faculty member, normally within that person's ongoing research program. Prerequisite: Minimum 65% average in completed PSYC courses; 75% or higher in PSYC 3015Y (315); at least 1.0 other PSYC credit at the 3000- or 4000-level; specific course prerequisites depending on the faculty supervisor; and permission of the department. Consult the student handbook for a list of participating faculty members. Excludes PSYC 487H.

PSYC 4802H – Research practicum 2

A course designed to allow students in the fourth year of their psychology Honours degree program to pursue research activities under the direction of a department faculty member, normally within that person's ongoing research program. Prerequisite: Minimum 65% average in completed PSYC courses; 75% or higher in PSYC 3015Y (315); at least 1.0 other PSYC credit at the 3000- or 4000-level, specific course prerequisites depending on the faculty supervisor; and permission of the department. Consult the student handbook for a list of participating faculty members. Excludes PSYC 488H.

PSYC – BIOL 4840H – Neuroendocrinology (see Biology)**PSYC 4900Y, 4901H, 4902H – Reading course**

A course designed to allow students in the fourth year of their Psychology program to pursue independent study under the direction of departmental faculty. Prerequisite: Minimum 65% average in completed PSYC courses; PSYC 3015Y (315) or 333; at least 1.0 other 3000- or 4000- level PSYC credit; specific course prerequisites depending on the supervisor; and permission of the department. (PSYC 3015Y will be accepted as a co-requisite provided that the student has successfully completed 15.0 university credits).

Sociology

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Professors

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B. L. Marshall, M.A. (Guelph), Ph.D. (Alberta) (*on leave 2011-2012*)

Associate Professors

G. Balfour, B.Sc., M.A. (Ottawa), Ph.D. (Manitoba); **D. M. Clarke**, B.A. (Trent), M.A. (McMaster), Ph.D. (Carleton); **J. Conley**, B.A. (Alberta), M.A. (Toronto), Ph.D. (Carleton); **A. Law**, B.A.S. (Sydney), M.A., Ph.D. (Alberta); **D. White**, B.A. (Ryerson), M.A. (Toronto), Ph.D. (Carleton) (*on leave 2011-2012*)

Assistant Professors

P. Ballantyne, B.A., M.A. (Western), Ph.D. (Toronto); **M. Rahman**, B.A., Ph.D. (Strathclyde)

Professors Emeriti

P. Bandyopadhyay, B.A. (Calcutta), M.A. (Oxford, Manchester), Ph.D. (Manchester); **R. T. Bowles**, B.Sc. (Brigham Young), Ph.D. (Oregon); **C. V. Huxley**, B.A. (York, England), M.A. (Simon Fraser), Ph.D. (Toronto); **R. A. Lockhart**, M.A. (Simon Fraser), Ph.D. (Essex)

Sociology at Trent seeks to provide students with a tool kit of concepts, theories, research skills and factual information to enable them to think critically about the changing social conditions they are living through, and about the efforts of people to direct that change. Building on a common core of required courses in theory and methods, the Sociology program at Trent offers two main concentrations: 1) social structures and social policies, in areas such as social inequality, families, health and criminal justice and 2) social interaction and culture, in areas such as religion, media studies, ethnic and sexual identities.

Notes

- 60% or higher in SOCI 1000Y (100) is a prerequisite for all upper-level Sociology courses, with the possible exception of cross-listed courses, for which students should check the prerequisites.
- 3000-level courses are open to students who have completed 5.0 university credits including at least 1.0 credit in Sociology at the 2000-level.
- 4000-level courses are open to students who have completed 10.0 university credits, of which 2.0 must be at the 3000-level. Students must complete SOCI 2110H (SOCI 2100Y, SOCI 210), and 2150Y (215) before proceeding to 4000-level courses, with the possible exception of cross-listed courses or permission of the instructor.
- Students in the B.Sc.N. program who have achieved satisfactory standing in NURS 2030H and 3030H and who wish to take sociology courses for a joint-major are exempt from the sociology research methods (SOCI 2150Y) requirement. This policy is not meant to exclude students from taking SOCI 2150Y.
- Honours courses offered in Oshawa may have different course content. Contact the Sociology department for information.
- ECON – ADMN 2200H (220H), GEOG – ERSC – BIOL 2080H (208H), MATH 1050Y (150), PSYC 2016H and 2017H (or PSYC 215) or PSYC 3015Y (315) are equivalent to SOCI 3160H (316H) for program requirements, but do not count as a Sociology credit. Students who have successfully completed an equivalent to SOCI 3160H (316H) are not permitted to take SOCI 3160H (316H), but must substitute another half credit in Sociology in order to fulfill degree requirements.
- Students who have fulfilled the requirements for a single-major Honours degree in another subject may apply to the Office of the Registrar for a minor in Sociology if they have met the requirements (see below).

BACHELOR OF ARTS PROGRAM IN SOCIOLOGY

- See [p. 28](#) for requirements which apply to all undergraduate degree programs.
- The same course may not simultaneously satisfy the requirements of both programs in a joint-major degree.

- The program has two tiers: foundation courses in basic areas of Sociology at the 1000- and 2000-level and courses in specialized areas of Sociology at the 3000- and 4000-level. The foundation courses aim to provide grounding in the core theoretical and methodological aspects of the discipline. The specialized courses permit students to study in some detail particular substantive areas in Sociology.
- Students planning to enter graduate school are strongly advised to take at least one of SOCI 4030H (403H) or 4040H (404H).

The single-major Honours program. 20.0 credits including the following 10.0 credits:

- 4.0 SOCI credits consisting of SOCI 1000Y (100), 2110H (2100Y, 210), 2150Y (215), 3100H, 3111H and 3160H (316H)
- 2.0 SOCI credits at the 4000-level
- 4.0 SOCI credits in addition to the above, at least 2.0 beyond the 2000-level

The joint-major Honours program. 20.0 credits including the following 7.5 credits:

- 3.5 SOCI credits consisting of SOCI 1000Y (100), 2110H (2100Y, 210), 2150Y (215), 3160H (316H) and one of 3100H or 3111H
- 1.0 SOCI credit at the 4000-level
- 3.0 SOCI credits in addition to the above, at least 1.5 beyond the 2000-level

The single-major General program. 15.0 credits including the following 6.0 credits:

- 3.0 SOCI credits consisting of SOCI 1000Y (100), 2110H (2100Y, 210), 2150Y (215) and one of 3100H or 3111H
- 3.0 SOCI credits in addition to the above, at least 1.5 beyond the 2000-level

The joint-major General program. 15.0 credits including the following 5.0 credits:

- 3.0 SOCI credits consisting of SOCI 1000Y (100), 2110H (2100Y, 210), 2150Y (215) and one of 3100H or 3111H
- 2.0 SOCI credits in addition to the above, at least 0.5 beyond the 2000-level

The minor in SOCI consists of the following 5.0 credits:

- 3.0 SOCI credits consisting of SOCI 1000Y (100), 2100Y (210) and 2150Y (215)
- 2.0 SOCI credits in addition to the above, at least 1.0 beyond the 2000-level

Please consult the academic timetable, available through myTrent, for information on courses that will be offered in 2011–2012 including when they will be scheduled.

SOCI 1000Y – Introduction to sociology

An introduction to sociology's major thinkers, theories, methods and fields of research and how they are used to understand social life, from everyday interactions to the structures of global societies. Course materials focus on contemporary social issues by drawing on Canadian and comparative contexts. Excludes SOCI 100.

SOCI 2110H – Discovering social theory

This course introduces students to social theory in the context of the emergence of modern societies, and maps out the themes that engaged a range of early theorists. Topics include industrialism, capitalism, urbanization, individualism, positivism, social movements and "modernity." Prerequisites: 60% or higher in SOCI 1000Y or permission of the instructor. Excludes SOCI 2100Y, 210.

SOCI 2150Y – Research methods

A project-based introduction to the major research methods in sociological research. Prerequisite: 60% or higher in SOCI 1000Y (100). Excludes SOCI 215, 221H.

SOCI 2220H – Social inequality

An introduction to the study of social inequality focusing on class, gender and ethnicity, the consequences for individuals and society, and the sociological theories which address these issues. Prerequisite: 60% or higher in SOCI 1000Y (100). Excludes SOCI 2200Y, 220.

SOCI 2301H – Self and social interaction

The course examines the theoretical and methodological foundations of interactionist, microsociological, interpretive and sociological-psychological research. Applied areas critically investigate the sociology of symbolic worlds, discourse and conversation, emotions, and the shaping of identity

and subjective life in everyday contexts. Prerequisite: 60% or higher in SOCI 1000Y. Excludes SOCI 2300Y, 230.

SOCI – WMST 2430H – Sociology of gender

This course focuses on gender as a core aspect of social organization and inequality. Key concepts are gender, femininity, masculinity, sexuality, homosexuality, heterosexuality and queer. Naturalist ideas and sociological analyses developed within feminism and lesbian and gay theories are studied. Prerequisite: 60% or higher in SOCI 1000Y (100) or WMST 1000Y (100). Excludes: SOCI – WMST 3430H, 343H.

SOCI 2610H – Deviance and social control

This course introduces students to key classical and contemporary sociological theories of deviance and the processes of social integration and moral regulation. Topics may include moral panics, drug use, mental illness, criminalization, medicalization of deviance, and risk management. Prerequisite: 60% or higher in SOCI 1000Y. Excludes SOCI 3610Y, 361.

SOCI 2630H – Sociology of health and illness

This course critically examines conceptualizations of health, illness, and disease, focusing on social determinants of health. Topics include income security, employment, and work; education, food production and access, education and literacy, Aboriginal health, and intersections of gender and health. Prerequisite: 60% or higher in SOCI 1000Y (100). Excludes SOC 3630Y, 363.

SOCI 2700H – The Sociology of families

This course will focus on family and household formation, family dynamics and the sociological issues raised by these phenomena. Topics will include couple formation, marital and family relationships, divorce and repartnering. Prerequisite: 60% or higher in SOCI 1000Y. Excludes SOCI 3700Y, 370.

SOCI – CAST – POST 3000Y – Reading the social: Space, difference and power in Canada (see Canadian Studies)**SOCI – CAST – POST 3050H – Society and politics in Quebec (see Political Studies)****SOCI 3100H: Contemporary sociological theory**

This course is designed as an introduction to contemporary theories in sociology, with a focus on continuities with and disruptions from the classical tradition. Prerequisites: 5.0 university credits including SOCI 2110H and at least one other half credit in SOCI at the 2000-level.

SOCI 3111H – Classical sociological theory

An exploration of the structure and scope of sociological theorizing in the classical tradition, with particular emphasis on Marx, Durkheim and Weber. Conceptions of theory, method and object of investigation will be explored through engagement with original texts. Prerequisites: 5.0 university credits including SOCI 2110H and at least one other 0.5 credit in SOCI at the 2000-level. Excludes SOCI 2100Y (210).

SOCI – IDST 3120H – Law, rights and development (see International Development Studies)**SOCI 3160H – Data analysis**

An introduction to basic statistics used in data analysis and their application in sociological research. Not open to students with credit in ECON – ADMN 2200H (220H), GEOG – ERSC – BIOL 2080H (208H), MATH 1050Y (150), PSYC 2016H and 2017H (or PSYC 215), PSYC 3015Y (315) or SOCI 222H. Prerequisites: 5.0 university credits including SOCI 2150Y, 215 or 221H. Excludes SOCI 316H, 222H.

SOCI 3220H – Social class and social status

Class and status inequalities play key roles in contemporary globalized capitalist societies. This course examines the mechanisms producing increased levels of economic inequality, and the status processes that motivate consumption and legitimate inequalities in consumer capitalism. Prerequisites: 5.0 university credits including at least 1.0 credit in SOCI at the 2000-level. Excludes SOCI 2200Y (220).

SOCI – POST 3230Y – Nationalism and political order in global perspective (see Political Studies)**SOCI – HIST 3260Y – The other Europe (see History)****SOCI 3300H – Inside social worlds**

This course explores the theoretical and methodological importance of the subjective dimension of Sociology, with an emphasis on the structuring of everyday experience within social orders of time, public and private spaces, and virtual environments. Prerequisites: 5.0 university credits including at least 1.0 credit in SOCI at the 2000-level. Excludes SOCI 2300Y, 230.

SOCI – ADMN 3320H – Social organizations

The nature and role of bureaucracies and other organizations in the contemporary world. The classical, managerial and recent sociological perspectives. Case studies will focus on formal

organizations in the public and private sectors. Prerequisites: 5.0 university credits including at least 1.0 credit in SOCI or ADMN at the 2000-level. Excludes SOCI – ADMN 333H.

SOCI – ADMN 3340H – Sociology of work

The nature and meaning of paid work in North America. The effects of technological changes, the shift to a service economy and the changing gender composition of the labour force on managerial and employee strategies to control the workplace. Prerequisites: 5.0 university credits including at least 1.0 credit in SOCI or ADMN at the 2000-level. Excludes SOCI 334H.

SOCI 3410H – Sociology of education

The development of formal education as a social institution, its social and political organization, schooling as a social process, the occupation of teaching, the relationship between education and social inequalities and current changes and challenges. The focus is on education in Canada with comparisons to other societies when appropriate. Prerequisites: 5.0 university credits including at least 1.0 credit in SOCI at the 2000-level. Excludes SOCI 341H.

SOCI – WMST 3440H – Social construction of sexuality

This course will explore sexuality as a complex issue in sociological analysis. We will examine theoretical approaches to the body, gender and sexuality, the construction of “normal” and “deviant” sexualities, and various forms of sexual regulation and resistance. Prerequisites: 5.0 university credits including at least 1.0 credit in SOCI or WMST at the 2000-level. Excludes SOCI – WMST 344H.

SOCI – CAST 3450H – The sociology of communication and media in Canada

An introduction to the emergence, organization, and regulation of media forms such as radio and television, publishing, music, film, and newer information and communication technologies. The determinants of media content and the responses of media audiences will be addressed. Prerequisites: 5.0 university credits including at least 1.0 credit in SOCI or CAST at the 2000-level. Excludes SOCI – CAST 4450Y, 445.

SOCI 3460H – Culture and society

This critical examination of culture in contemporary society focuses on processes of cultural production and consumption as they are mediated by social relations of capital and technology. Topics include: the ideology of consumerism, popular culture/art culture, advertising, lifestyle and taste, and culture and social change. Prerequisites: 5.0 university credits including at least 1.0 credit in SOCI at the 2000-level. Excludes SOCI 345.

SOCI 3471H – Religion in contemporary societies

This course is a survey in the sociology of world religions. It will introduce students to some of the classic texts in this field and address such issues as religion and modernity, secularization, emergent religions and the rise of fundamentalism. Prerequisites: 5.0 university credits including at least 1.0 credit in SOCI at the 2000-level. Excludes SOCI 3470Y, 347.

SOCI 3570Y, 3580H – Community-based research project

Students are placed in research projects with community organizations in Peterborough and Haliburton counties. Each placement is supervised jointly by a faculty member and a representative of a community organization. For details see “Community-Based Education Program” ([p. 245](#)). Prerequisites: minimum 75% cumulative average, and 5.0 university credits including SOCI 2150Y (215).

SOCI 3601H – Critical criminology

This course examines neo-Marxist, feminist, critical race, and post-structuralist theories of crime and crime control, and how criminalization operates through the neo-liberal state. Topics include: corporate crime, environmental crime, the prison industrial complex, and prison abolition. Prerequisites: 5.0 university credits including at least one credit in SOCI at the 2000-level. Excludes SOCI 3610Y, 361.

SOCI 3631 – Sociology of medicine

This course explores the social construction and organization of medical knowledge and health care systems. We critically assess the current “crisis” in Canadian health care; explore contradictory notions of health care as a right of citizenship and a commodity; and examine inequality in health care, “alternative health” and health promotion. Prerequisite: 5.0 university credits including at least 1.0 credit in SOCI at the 2000-level. Excludes SOCI 3630Y, 363.

SOCI 3661H – Ethnicity, identity and community

This course explores issues of ethnic identity and socio-cultural diversity on a comparative basis, and within transnational contexts of migrational and refugee movements, displaced cultures, and diasporic communities. Prerequisites: 5.0 university credits including at least 1.0 credit in SOCI at the 2000-level. Excludes SOCI 3660Y, 366.

SOCI – CAST – POST 3665H – Canada: State, society, power (see Canadian Studies)

SOCI – POST 3820H – Protest, contention and social movements

An examination of sociological theory and research on contemporary social movements covering topics such as mobilization and organization, collective identities, forms of contentious action, relationships between contenders and powerholders, and the outcomes of social movements.

Prerequisites: 5.0 university credits including at least 1.0 credit in SOCI or POST at the 2000-level. Excludes SOCI – POST 382H.

SOCI – CAST – WMST 3860H – Gender, race and class (see Gender & Women's Studies)

SOCI – CAST – WMST 3870H – Immigrant women in Canada (see Gender & Women's Studies)

SOCI – CAST 3880H – Selected topics in Canadian social structure

A critical examination of particular dimensions of Canadian society in comparison with the United States and other societies. Possible topics include: class divisions and class-based cultural formations, regionalism, ethnicity, and processes of political communication. Prerequisites: 5.0 university credits including at least 1.0 credit in SOCI or CAST at the 2000-level. Excludes SOCI – CAST 388H.

SOCI 3900Y, 3901H, 3902H, 3903H – Reading course

Registration in reading courses is contingent on instructor's permission and departmental approval in advance of course registration. Prerequisites: minimum 75% cumulative average, and 5.0 university credits including at least 1.0 SOCI credit at the 2000-level, or permission of instructor.

SOCI 4020D – Honours thesis

A double credit. A specific scholarly project on a well-defined topic to be worked out in consultation with the student's Honours supervisor. Regular student/supervisor meetings will be scheduled. Prerequisite: minimum 75% average in SOCI courses, and 10.0 university credits including SOCI 2110H or 2100Y (210) and 2150Y (215), and one of 3111H or 3100H and 2.0 credits at the 3000-level or permission of instructor.

SOCI 4030H – Key concepts in sociological analysis

The course focuses on celebrity culture as a manifestation of globalized capitalism and as a system of meanings that is supplanting traditional anchors for identity in late modern culture. Key concepts include postmodernity, globalization, discourse, semiotics, consumerism and lifestyle. Prerequisite: 10.0 university credits including SOCI 2110H or 2100Y (210) and SOCI 2150Y (215) and 2.0 credits at the 3000-level or permission of instructor. Excludes SOCI 403H.

SOCI 4040H – Contemporary issues in sociology

This course focuses on issues and debates that are at the forefront of sociological thought today. The specific focus will be determined yearly. Interested students should contact the department for information. Prerequisite: 10.0 university credits including SOCI 2110H or 2100Y (210) and 2150Y (215) and 2.0 credits at the 3000-level or permission of instructor. Excludes SOCI 404H.

SOCI – ANTH 4100H – Gifts and commodities (see Anthropology)

SOCI – PSYC 4120H – Qualitative research and analysis (see Psychology)

SOCI 4270H – Sociology of Law

This course examines law and society using classical and contemporary socio-legal theory, focusing on the form of law, the practice of law, and law as a strategy for social change. Possible topics: Aboriginal peoples and the law, immigration law, human rights legislation, poverty and labour law, family law and youth justice. Prerequisite: 10.0 university credits including SOCI 2110H or 2100Y (210) and 2150Y (215) and 2.0 credits at the 3000-level or permission of instructor. Excludes SOCI 427H.

SOCI 4310H – Studies in sociology of everyday life

The course explores the theoretical field of the sociology of emotions, drawing upon critical, cross-cultural and feminist perspectives. Topics include emotional socialization, feeling rules, risk and responsibility, virtual and neural technologies, therapeutic culture, and the commercialization of intimacy within the relations of power and stratification. Prerequisite: 10.0 university credits including SOCI 2110H or 2100Y (210), 2150Y (215), and 2.0 credits at the 3000-level or permission of instructor. Excludes SOCI 431H.

SOCI 4350H – Sociology of the automobile

This course examines the social, cultural, economic, and political contexts and implications of auto-dependent transportation systems. Issues that may be examined include: cars as technical and cultural artefacts, risk and traffic safety, urban design, drinking and driving, speed, and emotions. Prerequisite: 10.0 university credits including SOCI 2110H or 2100Y (210) and 2150Y (215), and 2.0 credits at the 3000-level or permission of instructor. Excludes SOCI 435H.

SOCI 4410H – The sociology of culture and knowledge

This course explores the social construction of expert knowledge in our society. Possible topics include: the culture of science and technology, boundaries within expert and lay knowledges, popular representations of expertise and expert authorities and power, and the forensic intersection of science, medicine and law. Prerequisite: 10.0 university credits including SOCI 2110H or 2100Y (210) and 2150Y (215) and 2.0 credits at the 3000-level or permission of instructor. Excludes SOCI 441H.

SOCI 4420H – Aging and the lifecourse

The course explores the theories, research methods and professional development of social gerontology and critical perspectives on aging and old age. Topics include population aging, anti-aging consumerism, caregiving and social support, retirement, intergenerational relations and end-of-life

ethics. Prerequisite: 10.0 university credits including SOCI 2110H or 2100Y (210) and 2150Y (215) and 2.0 credits at the 3000-level or permission of instructor. Excludes SOCI 442H.

SOCI-CAST 4451H – Advanced seminar in the sociology of communication

Topic for 2011-2012: Journalism and political communication in Canada. This course will focus on the production of political communication, especially televised information, the ways in which the communication is mediated by class, gender, and other social conditions, and the implications of these processes for citizenship, political (dis)engagement, and communicative rights. Prerequisite: 10 university credits including SOCI 2100H and SOCI 2150Y, and 2.0 credits at the 3000-level or permission of the instructor. Excludes SOCI – CAST 4450Y, 445.

SOCI 4510H – Sociology of sport and leisure

This course critically examines cultural and economic relations in sport and leisure. Topics include outdoor recreation, spectator sport, informal play and tourism. Topics will be explored from both contemporary and historical perspectives with emphasis on the dynamics of power and identity. Prerequisite: 10.0 university credits including SOCI 2110H or 2100Y (210) and 2150Y (215) and 2.0 credits at the 3000-level or permission of instructor. Excludes SOCI 451H.

SOCI – CAST – WMST 4550Y/4551H – Gender and disability in Canada (see Canadian Studies)

SOCI 4570Y, 4580H – Community-based research project

Students are placed in research projects with community organizations in Peterborough and Haliburton counties. Each placement is supervised jointly by a faculty member and a representative of a community organization. For details see “Community-Based Education Program” ([p. 245](#)).

Prerequisite: minimum 75% cumulative average, and 10.0 university credits including SOCI 2110H or 2100Y (210) and 2150Y (215) and 2.0 credits at the 3000-level or permission of instructor.

SOCI – WMST 4610H – Advanced studies in the sociology of gender

The course examines intersections of gender with ‘race,’ ethnicity, sexuality and the implications of these for equality strategies and outcomes. We begin with a definition of intersectionality and then consider challenges derived from intersectional perspectives focused on race/ethnicity, sexuality and class and their implications for how we understand gender equality. Prerequisite: 10.0 credits including 2.0 credits at the 3000-level, one of which must be SOCI – WMST 2430H or 3430H (343H) or 3440H (344H) or permission of instructor. Excludes SOCI – WMST 461H.

SOCI 4620H – Studies in social policy

In-depth study and analysis of contemporary social policy, focusing on the dynamics and processes of inclusion and exclusion of specific social groups. Areas to be investigated may include: poverty and social welfare, parental leave and child care, employment and pay equity, immigration, mental illness, and housing, with particular attention to class, gender and ethnic/racial inequalities. Prerequisite: 10.0 university credits including SOCI 2110H or 2100Y (210) and 2150Y (215) and 2.0 credits at the 3000-level or permission of instructor. Excludes SOCI 462H.

SOCI – IDST 4700H – Religion and social movements (see International Development Studies)

SOCI 4801H – Comparative social analysis

This course is built around travel as a method of comparative analysis. Topics include strategies and methods of comparative analysis, social meanings of travel, categorization of travellers, the role of guides in mediating knowledge, and critical reflections on personal experiences of travel and extended stays abroad. Prerequisite: 10.0 university credits including SOCI 2110H or 2100Y and SOCI 2150Y and 2.0 credits at the 3000-level or permission of the instructor. Excludes SOCI 4800Y, 480.

SOCI 4900Y, 4901H, 4902H, 4903H – Reading course

Registration in reading courses is contingent on instructor's permission and departmental approval in advance of course registration. Prerequisite: minimum 75% cumulative average, and 10.0 university credits including SOCI 2110H or 2100Y (210) and 2150Y (215) and 2.0 credits at the 3000-level or permission of instructor.

SOCI 4950H – Special Topic: Sociology of the body

This course will explore the body and embodiment as key issues in recent sociology by considering how bodies act as markers of personhood and of social categories like race, gender, age and class; how different bodies are normalized, regulated and disciplined; and how they are taken up as sites of transformative possibilities. Prerequisite: 10.0 university credits including SOCI 2110H or 2100Y (210) and 2150Y (215) and 2.0 credits at the 3000-level or permission of instructor.

Statistics

See Mathematics

Sustainable Agriculture & Food Systems

(pending Ministry approval)

Telephone: 705-748-1011 ext. 7199
Fax: 705-748-1569

E-mail: ers@trentu.ca
Web: www.trentu.ca/safs

Program Coordinator

Chair of the Environmental & Resource Science/Studies Program

S. Boeking, B.Sc., M.A., Ph.D. (Toronto)

Professors

See listing of faculty in Environmental & Resource Science/Studies Program

The Sustainable Agriculture & Food Systems program was created in response to interest in how we grow and consume food. The promise of sustainable agriculture; the environmental, social and ethical consequences of conventional agriculture; investment in industrial crops to supply fuel and materials; ongoing risks to food security and human health; demand for local food production in the context of global food trade; cultural and social critiques of our food system such as the Slow Food movement and advocacy of animal rights; growing interest in urban agriculture and in First Nations agriculture – these and other developments testify to how agriculture and food have become topics of discussion across Ontario and Canada. Graduates of the program will be equipped to contribute to these discussions, and to pursue diverse employment opportunities in agriculture and food.

BACHELOR OF ARTS AND BACHELOR OF SCIENCE PROGRAMS IN SUSTAINABLE AGRICULTURE & FOOD SYSTEMS

- See [p. 28](#) for requirements which apply to all undergraduate degree programs.
- There is no joint-major program in Sustainable Agriculture & Food Systems.
- There is no General degree in Sustainable Agriculture & Food Systems.
- There is no minor in Sustainable Agriculture & Food Systems.
- Students may not graduate with a degree in Sustainable Agriculture & Food Systems and an Emphasis in Food & Agriculture.
- Both programs are designed to provide an opportunity for interdisciplinary study of agriculture and food. Accordingly, students pursuing either degree will take courses from several departments, as described in the degree requirements below.

BACHELOR OF ARTS PROGRAM

The single-major Honours program. 20.0 credits including the following 12.0 credits:

- 2.0 SAFS credits consisting of SAFS 2000H, 2001H, 2002H, and 4002H
- 2.0 ANTH credits from ANTH 1000Y or 1010H/1020H, 2000Y, 3820H, or 4830H
- 1.0 ERSC credit from ERSC 1000Y or 1010H/1020H
- 1.0 ERSC/ERST credit from ERST 2100H, ERSC 2240H, ERST 2520H, 2525H, or 2510H
- 1.5 credits from ERST 3340H, ERSC 3350H/3360H, or SAFS 3000Y
- 1.5 ERST credits from ERST 3300Y, 3601Y, 3780H, 4610H, or 4810H
- 1.0 GEOG credit consisting of GEOG 1030H and 3760H
- 1.0 IDST credit consisting of IDST 1000Y
- 1.0 credit from CAST 2040Y or INDG 2601Y

BACHELOR OF SCIENCE PROGRAM

The single-major Honours program. 20.0 credits including the following 12.0 credits:

- 2.0 SAFS credits consisting of SAFS 2000H, 2001H, 2002H, and 4001H
- 1.0 BIOL credit consisting of BIOL 1020H and 2260H
- 1.0 BIOL credit from BIOL 2290H, 3180H, 3380H, 4200H, or 4280H
- 1.0 ERSC credit consisting of ERSC 1000Y or 1010H/1020H
- 0.5 ERSC credit consisting of ERSC 2220H
- 0.5 ERSC credit from ERSC 2230H or 2240H
- 1.0 ERSC/ERST credit from ERST 2100H, 2520H, 2525H, ERSC 2080H, or 2090H
- 1.5 credits from ERST 3340H, ERSC 3350H/3360H, or SAFS 3000Y
- 1.0 GEOG credit consisting of GEOG 1030H and 1040H
- 0.5 credit from GEOG 3560H or ERSC 3650H
- 2.0 credits from ANTH 1000Y or 1010H/1020H, 2400Y, 4440H, 4450H, GEOG 2440H, 2530H, or 3530H
- 14.0 science credits are required for the Honours degree, including 1.0 MATH credit (recommended: MATH 1050Y)

Please consult the academic timetable, available through myTrent, for information on courses that will be offered in 2011–2012 including when they will be scheduled.

SAFS 2000H - Introduction to sustainable agriculture and food systems I

A comparative analysis of the impact of transformations in the world food system on contemporary agrarian societies.

SAFS 2001H – Introduction to sustainable agriculture and food systems II

An interdisciplinary survey of the scientific, political, social and cultural aspects of agriculture and food. These dimensions are examined through a series of case studies.

SAFS 2002H – Environmental implications of agriculture

A survey of the scientific and associated political dimensions of the environmental impacts of agriculture. Prerequisite: ERSC 1000Y.

SAFS 3000Y – Ecological agriculture and agricultural alternatives

An advanced interdisciplinary survey of current knowledge and practice relating to sustainable agriculture and food. Prerequisites: SAFS 2000H, 2001H. Excludes ERSC 3350H, 3360H.

SAFS 4001H – Seminar in sustainable agriculture and food systems science

Prerequisites: SAFS 2000H, 2001H, 3000Y.

SAFS 4002H – Seminar in sustainable agriculture and food systems studies

Prerequisites: SAFS 2000H, 2001H, 3000Y.

SAFS 4003D – Research and internship in sustainable agriculture and food systems

Prerequisites: SAFS 2000H, 2001H, 3000Y.

Women's Studies

See Gender & Women's Studies

SPECIAL PROGRAMS AND OPPORTUNITIES

In addition to the major, joint-major and minor degree programs described in the programs section of the calendar, students can take advantage of a range of special programs and opportunities. These include possibilities for international study experience or involvement in research projects in the local community. Emphases, consisting of groups of courses with a particular focus, are available as a complement to regular programs. Specializations provide additional focus within individual programs. The Individualized Studies program ([p. 171](#)) is available to students whose academic interests cannot be met by majors in any of the existing programs.

Trent also provides opportunities to combine community college and university study. We have developed a number of degree completion programs through articulation agreements with several community colleges and we also offer some programs in partnership with Fleming College in Peterborough and Lindsay.

Arts & Science Stream for Teacher Education

Telephone: 705-748-1215

Fax: 705-748-1629

E-mail: registrar@trentu.ca

Web: www.trentu.ca/education

The Arts & Science Stream for Teacher Education is designed for students planning to teach at the elementary or secondary level. The program will provide students with the academic and non-academic foundations for entrance into the Consecutive Teacher Education program and ultimately, the teaching profession.

Candidates will complete an Honours Bachelor of Arts or Science program at Trent University and will then enrol in the Consecutive Teacher Education Program to pursue a Bachelor of Education at the Elementary (Primary/Junior) or Secondary (Intermediate/Senior) levels.

During the first year of their regular undergraduate studies, students will enrol in the Emphasis in Teacher Education program. This program is designed to provide candidates with both the curricular and foundational academic background for entrance to a Consecutive Teacher Education Program at the Elementary (Primary/Junior) or Secondary (Intermediate/Senior) levels. Please refer to the Academic Calendar for further information on division requirements or visit www.trentu.ca/education.

Selection criteria – Initial Entrance

This is a direct-entry program with a limited number of student spaces. Admission decisions will be based on a combination of an applicant's academic average (a minimum of 75% is required on courses considered for admission) and a supplemental application (Profile of Experience) due in February. Profile of Experience forms can be accessed at www.trentu.ca/education. Fulfillment of the minimum requirements does not necessarily guarantee admission.

Entrance to the Consecutive Teacher Education Program

Enrolment in the Consecutive Teacher Education Program will be conditional upon the following:

- Submission of a Profile of Experience in December of the year preceding enrolment in the Consecutive Teacher Education Program.
- Successful completion of the requirements for an Honours Bachelor of Arts or Science degree in no more than five years (please refer to [p. 28](#) of the Academic Calendar for requirements which apply to all undergraduate degree programs).
- Maintenance of a 75% average or better at Trent University on the last 10.0 credits of the degree.
- Completion of the Emphasis in Teacher Education (students must enrol in their first year and update registration each subsequent year).
- Yearly participation in workshops and completion of a total of 75 hours of placement(s), approved and monitored by the School of Education.
- In addition, students have the option to complete the iMPact Leadership Program.
- Completion of both the Trent Honours Bachelors degree and the Trent Education degree within six years of initial registration at Trent.
- Completion of all Trent Honours degree requirements and teaching division prerequisites by the May preceding enrolment in the Bachelor of Education program.
- Achievement of the cumulative average required by the student's respective Honours degree programs.
- Ongoing review of academic progress by program coordinator.

Community-Based Education and Community Service-Learning Programs

Trent Centre for Community-Based Education (TCCBE)

Stewart House, Catherine Parr Traill College, 292 London Street, First floor

Mailing address: 1600 West Bank Drive, Peterborough, ON K9J 7B8

Telephone: 705-743-0523

Fax: 705-743-7170

E-mail: info@trentcentre.ca

Web: www.trentcentre.ca

U-Links Centre for Community-Based Research

Box 655, Minden, Ontario, K0M 2K0

Toll Free Telephone: 1-877-527-2411

Fax: 705-286-3511

E-mail: ulinks@on.aibn.com

Web: www.ulinks.ca

The Community-Based Education (CBE) and Community Service-Learning (CSL) programs are innovative approaches to experiential learning. They offer undergraduate and graduate students the opportunity to work with community organizations in Peterborough and Haliburton Counties by completing community-inspired projects for course credit.

The CBE and CSL programs are designed to:

- Work with community organizations on community-based research and other identified projects that otherwise might not be completed.
- Provide students with experience in their fields of study and enhance future employment prospects.
- Increase co-operation and partnership between Trent University and the broader communities it serves.

Interested organizations submit project proposals requesting assistance to the TCCBE or U-Links. These requests are reviewed by a committee of representatives from the community and the University. Once approved, these project opportunities are posted on the websites listed above for students and instructors to consider. The time commitment needed for project completion can vary greatly.

Community-Based Education Projects

Community-Based Education (CBE) projects can be carried out as a thesis, a full- or half-credit course, or as an assignment within a course commencing at the beginning of any Fall, Winter or Summer term. Projects may require between 60 and 220 hours per student to complete depending on the nature of the course. Thesis-involved projects might exceed 220 hours depending on the nature of the thesis.

TCCBE and U-Links staff provide support to students in selecting projects that match their interests and program requirements. Students then meet with the community organization hosting the project to make sure there is a compatible match. After this meeting, students are responsible for finding an instructor to supervise and evaluate their work. Program staff assist with these steps but participation in a course is contingent on the instructor's permission and, in some cases, that of the department.

These arrangements do not always happen in the order described above. With this in mind, students and instructors are strongly encouraged to contact the TCCBE or U-Links early in the process. Ideally, project arrangements should be in place before the start of the session in which the project will be carried out. Students must make sure they are registered for the applicable course at the University and, at the same time, register with the TCCBE or U-Links online or in person. Participating students will be expected to attend regular meetings with the instructor and host organization and occasional seminars offered by the TCCBE or U-Links.

Prerequisite: Open to senior undergraduate students who have completed a minimum of 10.0 university credits and to graduate students. Undergraduate students must have a minimum 75% cumulative average. Students may be subject to further prerequisites by individual departments and instructors. Students who do not meet the above requirements but wish to participate should contact program staff. Community host organizations may screen students for relevant skills and knowledge.

Community Service-Learning Projects

For-Credit Projects: Community Service-Learning projects are usually 10 to 20 hours in length (per student) and are undertaken as assignments within courses. Program staff will work with instructors, students and community host organizations to clarify project details and TCCBE/U-Links registration.

Prerequisite: Community Service-Learning projects are only available to students within participating courses. Students may be subject to further prerequisites by individual departments and instructors. Community host organizations may screen students for relevant skills and knowledge.

Non-Credit Projects: In 2009-10, TCCBE initiated a non-credit (i.e., volunteer) CSL project option in partnership with Housing Services & Residence Life. Contact TCCBE for more details.

Roles and Resources

The Community-Based Education and Community Service-Learning programs fulfill a community-defined need for a common point of contact with the University and provide an extensive community development network for students and faculty wanting to work with local organizations. Host organizations involved in the programs provide supervision, facilities, services and materials. Participating instructors provide academic supervision, grade students' work and support students in a manner consistent with other University courses. Students receive innovative leadership and career-building experience while applying theory to practice in local community settings. The TCCBE and U-Links develop new projects and support those underway, provide resources and contacts, and facilitate communication among all participants.

The TCCBE and U-Links each maintain resource libraries that include reference materials about local community groups and initiatives, past projects, community-based research, community service-learning, and experiential education. Students or faculty who wish to arrange research and educational projects and partnerships with community organizations are strongly encouraged to contact the TCCBE or U-Links.

Sample Courses

The following courses are a sample of those participating in some way in the CBE & CSL programs from the 2010–2011 academic years. Note: This list is provided for interest and networking purposes only. This is not a comprehensive list and does not imply that the same courses will be offered in conjunction with the TCCBE or U-Links in the 2011–2012 academic year.

ADMN 4820Y, 4830H	MATH 4850Y
BIOL 3890Y	NURS 2020H
CAST 1000, 3810Y, 4770Y, 4810Y	PSYC 4801H
ERSC 1000Y	POST 4870Y
ERST 3160H, 3250H, 3340H, 3830Y, 4520H, 4830Y	SOCI 4570Y/4580H
GEOG 4020D, 4400Y, 4700Y	WMST 3820Y/3821H, 4430Y/4431H
IDST 3700Y, 4220Y	

Degree Completion Programs

Trent University offers degree completion pathways for graduates of Ontario community colleges who have successfully completed specific diploma programs. These agreements are reviewed annually to accommodate changes in the programs at the partner institutions. For complete details on degree completion agreements between Trent University and Ontario Community Colleges, see the Ontario College-University Transfer Guide, www.ocutg.on.ca.

For information on admission to these degree completion programs, please contact the Office of the Registrar at Trent University, 705-748-1215 or e-mail registrar@trentu.ca.

Notes

- As transfer credits recognize areas covered over the course of the diploma program rather than one-to-one course equivalents, numerical grades will not be recorded on the Trent transcript. Completion of these credits will be recognized with a "Pass" grade.

- If a student transfers to a different degree program, all transfer credits outlined in the specified agreement may not apply to the new degree program. It is the student's responsibility to discuss his or her academic program requirements with an academic advisor and to notify the Office of the Registrar of any program changes.
- Students are reminded to refer to the most recent version of the Academic Calendar for requirements which apply to all undergraduate degree programs.
- Students pursuing degree completion programs are reminded that they will need to carefully plan their academic program.
- Prerequisite requirements, course timetables and unforeseen circumstances may mean that a student requires additional time to complete the specified degree.

CENTENNIAL COLLEGE DEGREE COMPLETION PROGRAMS

Biology (Bachelor of Science, Honours)

Qualified students may enter the Biology program at Trent University on an advanced standing basis, subsequent to successful completion of the advanced diploma program in *Industrial Microbiology* with a minimum 75% average.

DURHAM COLLEGE DEGREE COMPLETION PROGRAMS

Chemistry (Bachelor of Science, Honours)

Qualified students may enter the Chemistry program at Trent University on an advanced standing basis, subsequent to the successful completion of the advanced diploma program in Pharmaceutical and Food Science Technology with an average of 75%.

Computing and Information Systems (Bachelor of Science, Honours)

Qualified students may enter the Computing and Information Systems program at Trent University on an advanced standing basis, subsequent to the successful completion of one of the following programs with a minimum 75% average: 1) *Computer Programmer Analyst*, or 2) *Computer Systems Technology*.

Environmental & Resource Science/Studies (Bachelor of Science, Honours or Bachelor of Arts, Honours)

Qualified students may enter the Environmental & Resource Science/Studies program at Trent University on an advanced standing basis, subsequent to the successful completion of one of the following advanced diploma programs with a minimum 75% average: 1) *Environmental Technology* or 2) *Pharmaceutical and Food Science Technology*.

Bachelor of Arts or Bachelor of Science – any major

Qualified students may transfer to Trent on an advanced standing basis, subsequent to the successful completion of the 2-year General Arts and Science diploma with an average of 75% and completion of a Trent University 1000-level course with a minimum grade of 60%. Students entering through this pathway will be required to complete either UNIV 1001H – First Year Seminar or UNIV 1002H – Critical Thinking, in their first year at Trent. The university will grant the following transfer credits towards the completion of the 15.0 credit general degree: 3.0 unassigned credits at the 1000-level, 0.5 unassigned credit at the 2000-level, 0.5 credit for the UNIV course and 1.0 credit for the completed 1000-level Trent University course.

FLEMING COLLEGE DEGREE COMPLETION PROGRAMS

Bachelor of Arts or Bachelor of Science (any major)

Qualified students who complete the University Transfer Option of the General Arts and Science program with a minimum average of 70% and a minimum of 65% in each of the transfer credit subjects will be granted credits in ENGL 1000Y, PHIL 1001Y, PSYC 1010Y and SOCI 1000Y and will be permitted to enter a degree program on an advanced-standing basis.

Bachelor of Arts (Honours)

Qualified students may enter the Bachelor of Arts (Honours) program at Trent University on an advanced standing basis, subsequent to successful completion of the diploma program in Police Foundations with an average of 75%.

Biology (Bachelor of Science, Honours)

Qualified students may enter the Biology program at Trent University on an advanced standing basis, subsequent to the successful completion of the advanced diploma program in *Fish & Wildlife Technology* with a minimum 75% average.

Business Administration (Bachelor of Business Administration)

Qualified students may enter the Business Administration program at Trent University on an advanced standing basis, subsequent to the successful completion of one of the following advanced diploma programs with a minimum 75% average: 1) *Business Administration*, 2) *Business Administration – Accounting*, 3) *Business Administration – Human Resource Management*, 4) *Business Administration – Marketing*, 5) *Business Administration – Materials Management*, or 6) *Business Administration – International Trade*.

Computing and Information Systems (Bachelor of Science, Honours)

Qualified students may enter the Computing and Information Systems program at Trent University on an advanced standing basis, subsequent to successful completion of one of the following programs with a minimum 75% average: 1) *Computer Engineering Technology*, or 2) *Computer Programmer Analyst*.

Environmental & Resource Science/Studies (Bachelor of Science, Honours or Bachelor of Arts, Honours)

Qualified students may enter the Environmental & Resource Science/Studies program at Trent University on an advanced standing basis, subsequent to the successful completion of one of the following advanced diploma programs with a minimum 75% average: 1) *Ecosystem Management*, 2) *Fish & Wildlife Technology* or 3) *Environmental Technology*.

Forensic Science (Bachelor of Science in Forensic Science)

Qualified students may enter the Forensic Science program at Trent University on an advanced standing basis, subsequent to successful completion of the diploma program in *Police Foundations* with an average of 75%.

Notes

- Admission to the B.Sc.F.S. program is competitive and an average higher than 75% may be required for admission.
- In addition to meeting the competitive average required for admission to the B.Sc.F.S. program, applicants must meet specified high school entrance requirements, or their equivalent.

Forensic Science (Bachelor of Science in Forensic Science)

Qualified students may enter the Forensic Science program at Trent University on an advanced standing basis, subsequent to successful completion of the *Biotechnology Technologist* advanced diploma program with an average of 75%.

Note

- Admission to the B.Sc.F.S. program is competitive and an average higher than 75% may be required for admission.

Forensic Science (Bachelor of Science (Honours) or Bachelor of Arts (Honours), joint-major)

Qualified students may enter the Bachelor of Arts (Honours) or Bachelor of Science (Honours) joint-major program at Trent University on an advanced standing basis, subsequent to successful completion of one of the following advanced diploma programs with a minimum 75% average: 1) *Biotechnology Technologist*, or 2) *Police Foundations*. The joint-major degree will consist of Forensic Science and a discipline selected by the student.

GEORGIAN COLLEGE DEGREE COMPLETION PROGRAMS**Computing and Information Systems (Bachelor of Science, Honours)**

Qualified students may enter the Computing and Information Systems program at Trent University on an advanced standing basis, subsequent to successful completion of the advanced diploma program in *Computer Programmer Analyst* with a minimum 75% average.

LOYALIST COLLEGE DEGREE COMPLETION PROGRAMS

Biology (Bachelor of Science, Honours)

Qualified students may enter the Biology program at Trent University on an advanced basis, subsequent to successful completion of one of the following advanced diploma programs with a minimum 75% average: 1) *Biotechnology Technologist*, or 2) *Biofood (Neutraceuticals) Technologist*.

Business Administration (Bachelor of Business Administration)

Qualified students may enter the Business Administration program at Trent University on an advanced standing basis, subsequent to the successful completion of one of the following advanced diploma programs with a minimum 75% average: 1) *Business Administration*, 2) *Business Administration – Human Resource Management*, 3) *Business Administration – Materials Management*, or 4) *Business Administration – Accounting*.

Chemistry (Bachelor of Science, Honours)

Qualified students may enter the Chemistry program at Trent University on an advanced basis, subsequent to successful completion of the Chemical (Engineering) Technologist advanced diploma program with an average of 75%.

Computing and Information Systems (Bachelor of Science, Honours)

Qualified students may enter the Computing and Information Systems program at Trent University on an advanced standing basis, subsequent to successful completion of the advanced diploma program in *Computer Programmer/Analyst* with a minimum 75% average.

Environmental Resource Science (Bachelor of Science, Honours)

Qualified students may enter the Environmental Resource Science program at Trent University on an advanced basis, subsequent to successful completion of the Environmental Technologist advanced diploma program with an average of 75%.

SENECA COLLEGE DEGREE COMPLETION PROGRAMS

Computing and Information Systems (Bachelor of Science, Honours)

Qualified students may enter the Computing and Information Systems program at Trent University on an advanced standing basis, subsequent to successful completion of the advanced diploma program in *Computer Programming & Analysis* with a minimum 75% average.

Diploma Programs

Diploma programs exist in order to accommodate students who wish to undertake focused study in an area over a one- or two-year period. The Diploma is awarded upon successful completion of the program. With it is included a Trent University transcript identifying all courses undertaken and grades received. Upon successful completion of the Diploma, students may apply for admission to a Bachelor's degree program. Credits earned in the Diploma program are transferable to the Bachelor's program.

The following Diploma programs are available:

Diploma in Canadian Studies, see Canadian Studies ([p. 65](#))

Diploma in Foundations of Indigenous Learning, see Indigenous Studies ([p. 163](#))

Diploma in Indigenous Environmental Studies, see Indigenous Environmental Studies ([p. 160](#))

Diploma in Indigenous Management & Economic Development, see Indigenous Studies ([p. 164](#))

Emphases

Emphases, consisting of groups of courses with a particular focus, are available as a complement to regular degree programs.

To be eligible, students must successfully complete the requirements of both the Emphasis program and the Honours or General program in which they are enrolled. The transcripts of students who have done so will contain the notation "with an Emphasis in [the appropriate Emphasis]."

The following Emphases are available:

Applied Ethics	Medieval, Antique & Renaissance Studies
Archaeology	Museum Studies
Food & Agriculture	Northern & Polar Studies
Geographical Information Systems	Sociocultural & Linguistic Anthropology
Global Power & Politics	Teacher Education
Global Studies	Theatre Studies
Law & Policy	

Note

- The Emphasis in International Political Economy will not be available to students registering at the university for the first time in 2010-2011 or in subsequent years. Current students already pursuing the Emphasis will be able to complete it and should refer to the 2009-2010 Academic Calendar for details or contact the Chair of the Department of Political Studies.

EMPHASIS IN APPLIED ETHICS

Telephone: 705-748-1011 ext. 7166
Fax: 705-748-1693

E-mail: philosophy@trentu.ca
Web: www.trentu.ca/philosophy

Program Coordinator

Chair of the Department of Philosophy

The Emphasis in Applied Ethics is available to students in any Honours or General program. A solid grounding in critical thinking, ethical theory and applied ethics is increasingly important for the many different kinds of careers that involve developing reasoned responses to public policy initiatives. The Emphasis in Applied Ethics is designed for students interested in careers as professional ethicists in fields such as medicine, environmental resource management, computing, law, or business. It also provides a good background for students interested in careers that involve advocacy on public policy issues.

The transcripts of students graduating with an Honours or General degree who have successfully completed the requirements of the Emphasis will contain the notation "with an Emphasis in Applied Ethics."

Students earn the Emphasis in Applied Ethics by successfully completing 5.0 credits including:

- PHIL 1001Y (101) or 1005Y (105)
- PHIL 2300Y (230)
- PHIL 3380Y (338)
- either PHIL 2390H (239H) and PHIL – COIS 3370H (337H) or 337
- PHIL 3390Y (339) or PHIL – ADMN 4200Y (420) or PHIL – ERST 3300Y (330)

EMPHASIS IN ARCHAEOLOGY

Ancient History & Classics

Telephone: 705-748-1011 ext. 7848
Fax: 705-748-1131

E-mail: ahc@trentu.ca
Web: www.trentu.ca/ahc

Anthropology

Telephone: 705-748-1011 ext. 7825
Fax: 705-748-1613

E-mail: anthro@trentu.ca
Web: www.trentu.ca/anthropology

Program Coordinators

Chairs of Departments of Anthropology and of Ancient History & Classics

The Emphasis in Archaeology is available to students in any Honours or General program, although it will clearly supplement the programs of those majoring in Anthropology and/or Ancient History & Classics. It is intended primarily for students interested in graduate studies and career preparation in archaeology, and for those wishing to deepen their knowledge of this interdisciplinary field. Students will be exposed to comparative world prehistory, archaeological field methods and laboratory techniques, and the archaeology of specific regions (Old World and New World). The Emphasis will give students basic training in the practical, and theoretical, aspects of archaeological research. Current areas of academic expertise are the archaeology, ancient art, and architecture of the Americas, Europe, and the Classical Mediterranean world.

The transcripts of students graduating with an Honours or General degree who have successfully completed the requirements of the Emphasis program will contain the notation "with an Emphasis in Archaeology."

Note

- Courses in the Archaeology program may have prerequisites. In planning their Emphasis, students should carefully take this into account.

Courses

The Emphasis in Archaeology consists of at least 6.0 credits including:

- 2.0 ANTH credits consisting of ANTH 2120Y (212) and 3100Y (310)
- 1.0 ANTH credit from ANTH 3000Y (300) or 3150Y (315) or AHCL 3850Y (330)
- 3.0 ANTH credits from three of the following four categories:

Category A (New World)

ANTH 3110Y (311)	ANTH 4110Y (411)
ANTH 3140Y (314)	ANTH 4120Y (412)
ANTH 3710H (371H)	ANTH 4130Y (413)
ANTH 3720H (372H)	ANTH – CAST – INDG 4151Y
ANTH 3750H (375H)	

Category B (Old World)

AHCL – ANTH – GEOG 2230H (223H)	AHCL – ANTH 3250H (325H)
AHCL – ANTH 2200Y (226H)	AHCL – ANTH 3252H
AHCL – ANTH 2201H (220H)	AHCL 1001H
AHCL – ANTH 3220Y (322)	AHCL 3251H
AHCL – ANTH 3240H (334H)	ANTH 3180H

Category C (Methods)

AHCL 3850Y (330)	ANTH – ERSC 3680H
ANTH 3000Y (300)	ANTH 3730Y
ANTH 3150Y (315)	ANTH 4140H (414H)
ANTH – BIOL – FRSC 3415Y	ANTH 4150H (415H)
ANTH 3650H (365H)	ANTH – AHCL 4410H
ANTH 3995H	ANTH 4420H

Category D (Comparative Approaches)

ANTH 3170Y	ANTH 4180H
ANTH 4170H	ANTH 4190H
AHCL 3101H	

Students who wish to include a Reading course, Special Topic course, AHCL senior seminar (AHCL 4001H, 4002H, 4003H) or Thesis course that deals with archaeology as one of the 6.0 credits toward the Archaeology Emphasis must obtain departmental permission in advance to register, and get written approval of both program coordinators.

EMPHASIS IN FOOD & AGRICULTURE

Telephone: 705-748-1634
Fax: 705-748-1093

E-mail: thutchinson@trentu.ca

Program Coordinators

T. Hutchinson, B.Sc. (Manchester), Ph.D. (Sheffield)

Chair of the Environmental & Resource Science/Studies Program

S. Bocking, B.Sc., M.A., Ph.D. (Toronto)

The Emphasis in Food & Agriculture is available to students in Honours or General programs in Science or Arts. It is intended for students who wish to better understand the basis of our food supply, including methods of food production, the nature of the food chain with humans as the final receptor (agroecosystems), technological and biological aspects of historical changes in food production, conventional industrial and alternative agriculture, world trade and trade barriers, land tenure, commodification of food, and concepts of sustainable agriculture. Concerns over the health of our food supply will be covered in some of the course offerings, including chemical and microbial contamination. Science and arts streams are possible in this emphasis.

The transcripts of students graduating with an Honours or General degree who have successfully completed the requirements of the Emphasis will contain the notation "with an Emphasis in Food & Agriculture."

Note

- Students are advised to contact a program coordinator at the end of their first year to register for the Emphasis in Food & Agriculture.

Courses

Students completing the Emphasis will be required to take the following courses for a total of 2.5 credits:

- ERSC 3350H (335H), 3360H (336H)
- IDST – ANTH 2210Y (221)
- BIOL 2290H (229H)

Students are also required to take an additional 3.0 credits from the following courses:

- ANTH 4830H (483H)
- CAST – GEOG – ERST – INDG 2040Y (204)
- ERSC 4350H (435H)
- ERSC – GEOG 3650H (365H)
- ERST – CAST 3340H (334H)
- Thesis (2.0 credits) and/or reading courses (through any department or program, provided the topic is approved by the emphasis coordinator)
- Community-based Education program courses (that link to food or agriculture issues and that are approved by the emphasis coordinator)

EMPHASIS IN GEOGRAPHICAL INFORMATION SYSTEMS**Environmental & Resource Science/Studies**

Telephone: 705-748-1011 ext. 7199
Fax: 705-748-1569

E-mail: ers@trentu.ca
Web: www.trentu.ca/ers

Geography

Telephone: 705-748-1011 ext. 7686
Fax: 705-748-1205

E-mail: geography@trentu.ca
Web: www.trentu.ca/geography

Program Coordinators

Chair of the Department of Geography
Chair of the Environmental & Resource Science/Studies Program

Trent University, in collaboration with Sir Sandford Fleming College, offers an Emphasis in Geographical Information Systems.

The Emphasis in Geographical Information Systems is available to students in the Honours B.Sc. or B.A. program at Trent University in Geography or in Environmental & Resource Science. Students admitted to the program register as full-time Fleming students during the third year of their Honours program. Classes are held at the Frost Campus of Fleming College in Lindsay.

Students who successfully complete all three semesters of the GIS Application Specialist or GIS Cartographic Specialist program with a minimum grade of 60% in all courses will receive the corresponding Ontario College Graduate Certificate along with seven upper-level Trent Science credits of which 4.5 will count as 3000-level Science credits in their major and 2.5 will count as unassigned 3000-level Science credits. Students must then complete 3.0 credits in their fourth year to fulfill the requirements of the single- or joint-major degree, as outlined in the specific program degree requirements. "Emphasis in Geographical Information Systems (Applications)" or "Emphasis in Geographical Information Systems (Cartography)" will be noted on their Trent transcript.

Students who successfully complete semesters one and two of the GIS Application Specialist or GIS Cartographic Specialist program with a minimum grade of 60% in all courses will receive 5.0 upper-level Trent Science credits of which 3.0 will count as 3000-level credits in their major and 2.0 will count as unassigned 3000-level Science credits. These students will receive an "Emphasis in Geographical Information Systems" that will be noted on their Trent transcript. These students are eligible to return to Fleming following completion of their Trent Honours degree to complete the requirements for the GIS Application Specialist or GIS Cartographic Specialist Ontario College Graduate Certificate.

Application procedures

- Applicants must consult with the chair(s) of the appropriate departments or programs at Trent.
- Completed application forms must be submitted to the chair of Geography by January 20 of the second year.
- Selection is based on the program of courses completed and on cumulative averages to date, including mid-year grades in second year.
- Students are informed of the results of their applications before the deadline for Early Registration at Trent. If their applications are successful, they receive letters of acceptance and contact information for the Fleming year of the program.
- Students admitted to the program are also required to apply online to the Ontario College Application Service in Guelph.
- Students enrolled in the Fleming program in their third year may participate in Trent's Early Registration for the fourth year of their Trent program.

Fees

Students pay community college fees during the third year of their program (consult the Fleming calendar for details on fees) and Trent fees for the other three years.

Students are also required to pay the appropriate fee to the Ontario College Application Service in Guelph.

Facilities

Students in the program have access to the library and faculty at Trent.

Courses

The prerequisites for the program consist of at least 10.0 university credits, with suitable standing towards a Trent Honours degree, including the 1000-level introductory course plus at least 2.0 additional credits in the student's major.

All students entering the program should have successfully completed GEOG – ERSC 2090H (209H) and at least 1.0 credit from Computing & Information Systems.

All Geography majors should have successfully completed GEOG – ERSC – BIOL 2080H (208H) and either GEOG 2110H (211H) or GEOG – ERST 2510H (251H).

Students are urged to acquire as much computer programming experience as possible beyond the required courses in order to equip themselves for the Technical Issues component of the Fleming year. Experience in algorithm design with C++ programming and visual Basic Languages would be an asset.

For information on courses, check the calendar for the Honours degree requirements in Geography or Environmental Resource Science/Studies.

Further information

For further information on the program and an application form, contact the chair of the Geography department or of the Environmental & Resource Science/Studies program.

EMPHASIS IN GLOBAL POWER & POLITICS

Telephone: 705-748-1011 ext. 7802
Fax: 705-748-1066

E-mail: apickel@trentu.ca
Web: www.trentu.ca/globalpolitics

Coordinator

A. Pickel, B.A., M.A. (Guelph), Dipl.Pol. (Berlin), Ph.D. (York)

The Emphasis in Global Power and Politics (GP) is offered by the Global Politics Section. It is available to students in any Honours program. It is intended for students interested in developing a critical understanding of the formal and informal, visible and hidden structures of power in the global age. A critical approach starts from the premise that the most urgent political problems of our time from imperialism and resource wars to the corruption of both liberal democracy and socialism, as well as the ubiquitous rise of inequality, pose fundamental moral problems that require not only good will and commitment but a deep understanding of the mechanisms of global power and politics, especially on the part of actors who want to make a difference. While housed in the social sciences, the Emphasis in Global Power and Politics also seeks to appeal to politically-minded students in the sciences and the humanities.

The Emphasis option in Global Power and Politics is closely tied to the work done in the Centre for the Critical Study of Global Power and Politics (A. Pickel, Director). Students are invited to participate in the work of the Centre. Students are strongly encouraged to explore the thesis option in their final year of study.

The transcripts of students graduating with an Honours degree who have successfully completed the requirements of the Emphasis will contain the notation "with an Emphasis in Global Power and Politics."

The Emphasis in Global Power and Politics consists of 5.0 credits:

- 1.0 credit from POST 2200Y (220) or 2230Y (223)
- 2.0 credits from 3000-level POST (GP) courses or HIST 3150 (315) or POST– WMST 3880Y/3881H
- 2.0 credits from 4000-level POST (GP) courses

The following courses will carry the designation "GP" in the Political Studies section of the calendar. See Political Studies [p. 219](#) for course descriptions:

- POST 2200Y (220)
- POST 3200H (320H)
- POST– CAST 3210H (321H)
- POST– SOCI 3230Y (323)
- POST 3905Y/3906H
- POST 3960Y (395)
- POST 4030Y
- POST 4200H (420H)
- POST 4210Y (421)
- POST 4220H
- POST 4340H
- POST 4905/4906H
- POST 4960H

EMPHASIS IN GLOBAL STUDIES

Telephone: 705-748-1314
Fax: 705-748-1626

E-mail: tip@trentu.ca
Web: www.trentu.ca/international

Program Coordinator

A. M. Allcott, M.A. (Utah), Ph.D. (SUNY, Buffalo)

The Emphasis in Global Studies is available to students in any Honours or General program who fulfill the following requirements: a year of study abroad and successful completion of 6.0 credits in international/global studies from a list approved by the Global Studies Advisory Committee (available in the Trent International Program office or at www.trentu.ca/tip). Of the 6.0 approved credits, at least 2.0 must be from IDST 1000Y (100), HIST 1700Y (170), POST 2200Y (220), 2230Y (223).

The transcripts of students graduating with an Honours or General degree who have successfully completed the requirements of the Emphasis will contain the notation "with an Emphasis in Global Studies."

EMPHASIS IN LAW & POLICY

Telephone: 705-748-1011 ext. 6002
Fax: 705-748-1047

E-mail: politics@trentu.ca
Web: www.trentu.ca/politics/courses_law.php

Program Coordinator

N. Changfoot, M.A. (Carleton), Ph.D. (York)

The Emphasis in Law & Policy is available to students in any Honours or General program. A knowledge of law and policy is essential for many career paths (e.g., in journalism, community organizations, social work, law, civil service, political parties, unions) and for informed citizen participation in public affairs. The Emphasis in Law & Policy is intended for students interested in career preparation, critical reflection on legal and policy questions, and advocacy on public issues.

The transcripts of students graduating with an Honours or General degree who have successfully completed the requirements of the Emphasis will contain the notation "with an Emphasis in Law & Policy."

Note

- Courses in the Law & Policy program may have prerequisites. In planning their Emphasis, students should carefully take this into account. For additional information and updates, see the Law & Policy website.

Courses

The Emphasis in Law & Policy consists of 6.0 credits from the courses listed below. These must include at least 1.5 credits from category A and at least 1.5 credits from category B. (*Chart continues on next page.*)

Category A (Policy)

CAST – HIST – POST 4770Y (477)
ECON 3020H (302H), 3110H (311H), 3120H (312H), 3160H (316H), 317H, 3410H (341)
ECON – ADMN – IDST 3330H (333H)
ECON – ERST 3810H (381H)
ECON – CAST 3840H (384H)
ERST – POST 2100H (210H)
ERST – CAST – POST 3100Y (310)
ERST – ECON – CAST 3780H (378H)
ERST – IDST – POST 4610H (461H)
ERST – CAST – HIST 4670H (467H)
HIST 3370Y (337)

Category B (Law)

ADMN 3250 (325H)
ERST 3110H (311H), 3250H (325H), 4250H (425H)
HIST 3850Y
INDG 3400Y (340)
IDST – SOCI 3120H (312H)
PHIL 1005Y (105)
PHIL – POST 2032Y (232)
POST – CAST 3090Y (309)
POST – CAST – WMST 3670Y (367)
SOCI 4270H (427H)

Category A (Policy) *(continued)*

INDG – POST 2000Y (200)

INDG – POST 3020Y (302)

IDST – ANTH 2210Y (221)

IDST 3100Y (310), 3140H (314H), 4220Y (422)

IDST – POST 4120H, 4250H (425H)

IDST – CAST – POST 4240Y (424)

POST 1000Y (100), 3200H (320H), 3280H
(328H), 3420H (342H), 4320Y (432)POST – CAST 2010Y (201), 3210H (321H),
3620H (362H), 4055H (405H), 4080Y (408H)

POST – CAST – ERST 4600H (460H)

POST – WMST 3880Y/3881H (or 388)

POST – SOCI 3820H, 497H

SOCI - 3410H (341), 3601H, 3610Y (361),
3630Y (363), 3631Y, 3660Y (366), 3661H,
4620H (462H)

WMST 4000Y (400)

EMPHASIS IN LINGUISTICS

Telephone: 705-748-1011 ext. 7626

Fax: 705-748-1630

E-mail: modernlang@trentu.caWeb: www.trentu.ca/modernlanguages**Program Coordinator**

Chair of Modern Languages & Literatures

The Emphasis in Linguistics enables students to add to their programs a series of courses designed specifically to complement their studies in a language or languages. The basis of the program is the first-year introductory course in linguistics, and then students may choose from a variety of courses offered by Modern Languages, English, Anthropology, and Ancient History & Classics which will allow them to pursue more specific interests in language and linguistics. The transcripts of students graduating with a General or Honours degree who have successfully completed the requirements of the emphasis program will contain the notation “with an Emphasis in Linguistics.”

To qualify for the Emphasis, students must take MODL 1000Y (101), or 1001H and 1002H, plus 3.0 credits from among the following courses:

– ANTH 2310Y (231), 3090H

– ENGL 3100Y, 4100Y/4101H

– FREN 2150Y (215), 3150Y, 4150Y (415)
3020H (302H), 3030H (303H)

– GREK 1000H and 1001H (or 100)

– LATN 1000H and 1001H (or 100)

– MODL – ANTH 2010H (201H), 2020H (202H),

EMPHASIS IN MEDIEVAL, ANTIQUE & RENAISSANCE STUDIES

Telephone: 705-748 1011 ext. 6033
Fax: 705-748 1823

E-mail: skeefefer@trentu.ca
Web: www.trentu.ca/mars

Program Coordinator

S. L. Keefer M.A., Ph.D. (Toronto)

The Emphasis in Medieval, Antique & Renaissance Studies is available to students in any General or Honours program. The Emphasis answers a growing student interest in the thought, literature and politics of the pre-industrial world. While the more remote past is often romanticized as a “golden fantasy realm,” the study of historical culture in world civilizations from antiquity through early modernity (ca. 1800) allows students a window onto the origins and development of culture informing modern global society.

The transcripts of students graduating with a General or Honours degree who have successfully completed the requirements of the Emphasis will contain the notation “with an Emphasis in Medieval, Antique & Renaissance Studies.”

Note

- Students interested in pursuing this Emphasis are encouraged to visit the website at www.trentu.ca/mars for further information.

The Emphasis in Medieval, Antique & Renaissance Studies consists of 6.0 credits, including 1.0 credit from each of the periods listed below, and an additional 3.0 credits from any of the periods listed below:

ANTIQUE

AHCL 1000Y
AHCL 1001H
AHCL 2100Y (or 100 or 201, CLHI 100)
AHCL – ANTH 2200Y (or 224H, 226, 227H, 228H)
AHCL – ANTH – GEOG 2230H (or 223H)
AHCL 2300Y (or 150, CLLI 100)
AHCL – WMST 2310H (or 231H)
AHCL – WMST 2320H (or 232H)
AHCL 2350H (or 250, CLLI 200)
AHCL – PHIL 2400Y (or 210)
AHCL 2440H
AHCL 3070H (or 207H)
AHCL 3100H (or 410, 410H)
AHCL 3101H
AHCL 3120H (or 312H, CLHI 352H)
AHCL – ANTH 3220Y (or 222, 322)
AHCL – ANTH 3240H (or 234H, 334H)
AHCL 3251H
AHCL 3301H
AHCL 3350Y (or 350, CLLI 300)
AHCL 3850Y (or 330)
AHCL 4001H, 4002H, 4003H
1.0 credit in ancient Greek (GREK) at the 2000-level or higher
1.0 credit in Latin (LATN) at the 2000-level or higher
Other AHCL, GREK, or LATN courses by permission of Program Coordinator.

MEDIEVAL

ENGL 2100Y (Term 1)
ENGL 3100Y (or 230)
ENGL 3102Y
ENGL 3121H (or 332)
ENGL 3123H (or 333H)
ENGL 3125H (or 331H)
ENGL 4100Y/4101H (or 431)
ENGL 4120Y/4121H (or 432)
HIST 2050Y
HIST 3550H/3551Y
HIST 4050Y
HIST 4510Y
HSST 4160H (or 416H)

**EARLY MODERN/
RENAISSANCE**

ENGL 2100Y (Term 2)
ENGL 2150Y/2151H (or 220)
ENGL 2152Y/2152H
ENGL 3153H (or 250H)
ENGL 3155H (or 251, 253H, 254H)
ENGL 3200Y (or 201)
ENGL 4150Y/4151H (or 420)
ENGL 4152Y/4153H (or 433)
FREN 3170Y (or 317)
GRMN 2320H (or 231, 232H)
HIST 2080Y
HIST 2751H
HIST 3560Y
HIST 3580Y
HIST 3600Y
HIST – FRSC 3751Y
HIST 3755Y
HIST 3800Y
HIST 4500Y
HIST 4550Y
HIST 4560Y
HIST 4580Y
HIST – FRSC 4751Y
HIST 4755Y
HSST 3300Y (or 330)

EMPHASIS IN MUSEUM STUDIES

Trent University, in collaboration with Fleming College, offers an Emphasis in Museum Studies. The Emphasis in Museum Studies is available to students in any related Honours B.Sc. or B.A. program.

Students admitted to the program register as full-time Fleming students during the third year of their Honours program. Students who complete the three-semester college certificate with a minimum average of 70% will receive four upper-level "general elective credits" (p. 267) which are credited towards a Trent Honours degree, but do not fulfill specific departmental requirements. The Trent University academic transcripts of students completing the program with an average of at least 65% in courses taken at Trent and 70% in courses taken at Fleming will contain the notation "with an Emphasis in Museum Studies." Graduates will also receive an Ontario College Graduate Certificate in Museum Management and Curatorship from Fleming College.

Application Procedures

- Application is made by letter which should include a discussion of why the applicant is interested in the program and any related background or experience relevant to the field (such experience, however, is not necessary for admission). Submit applications to dodette@trentu.ca, 129 Blackburn Hall.
- The deadline for applications is the last Friday in January for the program beginning in September that year.
- To apply, students must have completed at least 10.0 credits towards their Trent degree, including the 1000-level introductory course plus at least two additional credits in their major, and must have a cumulative average of at least 70%, including mid-year grades in the year in which the application is made. Students considering applying must be able to meet the Honours degree requirements in their discipline(s) as laid out in the calendar.
- Students are informed of the result of their application before the deadline for Registration at Trent.
- After eligibility for the program is confirmed by Trent, students are required to apply online through the Ontario College Application Service in Guelph and to pay the appropriate OCAS fee.

Fees

Students pay community college fees for the year of the program (consult the Fleming calendar for details on fees).

Facilities

Students in the program have access to the library and faculty at Trent. Students may retain Trent affiliation by paying the requisite fees. Contact Financial Services for more information (finance@trentu.ca).

Further information

For further information, contact karenmaki@trentu.ca.

EMPHASIS IN NORTHERN & POLAR STUDIES

Telephone: 705-748-1011 ext. 7686
Fax: 705-748-1205

E-mail: geography@trentu.ca
Web: www.trentu.ca/geography

Program Coordinator

P. Lafleur, B.Sc. (Brandon), M.Sc. (Trent), Ph.D. (McMaster)

The Emphasis in Northern & Polar Studies is available to students in any Honours or General program. It is designed to stimulate interest in the higher latitudes in all academic departments and programs at Trent. It is also designed to give students from the North an opportunity to extend and deepen knowledge of their home regions.

The transcripts of students graduating with an Honours or General degree who have successfully completed the requirements of the Emphasis will contain the notation "with an Emphasis in Northern & Polar Studies."

Successful completion of the Emphasis includes the following:

- 5.0 credits in the subject matter of Northern & Polar Studies
- a Northern & Polar experience

Notes

- For the purposes of this program, the definition of “north polar regions” is that of the Northern Scientific Training Grants program of Indian and Northern Affairs Canada. This definition includes northern parts of most provinces. “South polar regions” include the continent of Antarctica and the sub-Antarctic islands. The Committee on Northern & Polar Studies will rule where eligibility is in doubt.
- The “Northern experience” can be gained in several ways, including at least one month of formal post-secondary study at an institution in the north or south polar regions (such study may take the form of course work or independent or supervised research), residency in the north or south polar regions for more than one year as a teen or adult, or a field placement in the northern and polar regions for the purposes of work or research. Proof of polar experience must be submitted to the program coordinator at least six months before graduation.
- Credits toward the Emphasis can come from any Trent courses, provided the student has obtained permission of the instructor, which includes the student notifying the instructor that he or she is pursuing the course as part of the Emphasis and the course instructor acknowledging to the coordinator of the Emphasis awareness of the student’s intentions.
- Credits from the following courses do not require that the instructor be informed of the student’s intent to include the course in the Emphasis:
 - ANTH 3110Y (311)
 - CAST – GEOG – ERST – INDG 2040Y (204)
 - GEOG 2810H
 - GEOG 3250H
 - GEOG 3420H (342H)
 - GEOG – CAST 3640H (364H)
- Credits from Yukon and Arctic Colleges, acceptable to Trent University, may be counted towards this emphasis to a maximum of 2.5 credits.
- No more than 3.0 credits in reading, special topic or thesis courses may be included in the program. Students interested in pursuing these options must obtain the permission of the instructor and of the program coordinator.
- Students are encouraged to view online course options through the University of the Arctic (www.uarctic.org). All University of the Arctic courses fulfill the Emphasis course requirements. Before registering to take a course from the University of the Arctic, a Letter of Permission must be obtained from the Registrar’s Office.

EMPHASIS IN SOCIOCULTURAL & LINGUISTIC ANTHROPOLOGY

Telephone: 705-748-1011 ext. 6358
Fax: 705-748-1613

E-mail: ameneley@trentu.ca
Web: www.trentu.ca/anthropology

Program Coordinator

A. Meneley, B.A. (McGill), M.A., Ph.D. (New York)

The Emphasis in Sociocultural & Linguistic Anthropology is available to students pursuing an Honours degree in the social sciences. It will enhance an Honours Anthropology degree, but coheres well with a range of related social science and interdisciplinary programs at Trent. It is intended primarily for students interested in graduate studies in Anthropology or a closely aligned field, or for those wishing to deepen their knowledge of the discipline. The transcripts of students graduating with an Honours degree who have successfully completed the requirements of the Emphasis program will contain the notation “with an Emphasis in Sociocultural & Linguistic Anthropology.”

Notes

- Courses in the Emphasis in Sociocultural & Linguistic Anthropology may have prerequisites. In planning their Emphasis, students should carefully take this into account.
- The transcripts of students graduating with an Honours degree who have successfully completed the requirements of the Emphasis will contain the notation “with an Emphasis in Sociocultural & Linguistic Anthropology.”

Courses

The Emphasis in Sociocultural & Linguistic Anthropology consists of at least 6.0 credits in ANTH, including:

- 3.0 credits consisting of ANTH 2000Y (200), 2310Y (231) and 3990Y (399)
- 1.5 credits from ANTH 3010Y (301), 3080H (308H), 3090H, 3130H (313H), 3160H (316H), 3230H (3241H or 324H), 3260H (326H), 3270H (327H), 3290H, 3510Y (351), 3700H (370H), 3740H (374H) or 3820H (382H), ANTH – COIS 3745H
- 1.5 credits from ANTH 4080H (408H), 4160Y (416), 4260H (426H), 4270H (427H,) 4800H (480H), 4810H (481H), 4820H or 4830H (483H), ANTH – IDST 4750H (475H), 4760H (476H), 4770H (477H), ANTH – SOCI 4100H (410H)

Students who wish to include a Reading course, Special Topic course, or Thesis in sociocultural or linguistic anthropology as one of the 6.0 credits toward the Sociocultural & Linguistic Emphasis must obtain departmental permission in advance to register, and get written approval of the Department Chair.

EMPHASIS IN TEACHER EDUCATION

Telephone: 705-748-1011 ext. 7765
Fax: 705-748-1144

E-mail: edemphasis@trentu.ca
Web: www.trentu.ca/education

Program Coordinator

M. Ladky, B.A. (Denison), M.A. (University College Dublin), Dip. Ed (McGill), Ed.D. (Toronto)

The Emphasis in Teacher Education is intended for students who are planning a single- or joint-major honours program, who wish to prepare themselves to teach at the elementary or secondary level and who are considering applying to a Consecutive B.Ed. program upon the completion of their honours degree.

The Emphasis does not guarantee admission to any Consecutive B.Ed. program, but the transcripts of students graduating with an Honours degree who have successfully completed the requirements of the Emphasis will contain the notation "with an Emphasis in Teacher Education."

Students must have an overall average of 70% at the end of their final year to graduate with the Emphasis designation.

Since the course requirements for admission to Consecutive B.Ed. programs differ for elementary and secondary candidates, the requirements for the Emphasis in Teacher Education also differ based on which stream students choose.

Although the requirements for the Emphasis in Teacher Education can be met within the 20.0 credits required for the completion of an Honours degree, students may decide or need to take extra courses to fulfill the requirements.

Entry into the Emphasis in Teacher Education

In order to meet the program requirements, full- or part-time students should enter the Emphasis in their first year. Qualified students who have completed a maximum of 5.0 credits with at least a 70% average may also be eligible to enter the Emphasis program.

Students will need to plan their programs carefully in order to ensure that they take necessary prerequisite courses for any of the designated courses. The designated courses are suitable for admission into Consecutive B.Ed. programs across Canada but students are strongly advised to confirm the specific admission requirements for the program they will be applying to.

ELEMENTARY STREAM

In addition to completing the requirements for a single- or joint-major B.A. or B.Sc. there are 5.0 required credits for the elementary stream. These credits are to be selected from the designated list of courses below and must include:

- 2.0 credits in Curriculum Studies (including at least 1.0 credit in mathematics or science),
- 2.0 credits in Foundational Studies (including at least 1.0 credit in visual or performing arts)
- 1.0 additional credit in either Curriculum or Foundational Studies or EDEM 4000Y

1) Curriculum Studies (at least 2.0 credits)

- at least 1.0 credit in mathematics or science selected from any Mathematics credit (or the completion of both PSYC 2016H and PSYC 2017H) or any credit in Biology, Chemistry, Environmental & Resource Sciences, Physical Geography or Physics (these include ERSC – BIOL 2700Y (270), MATH 2080Y (280) and PHYS 2090Y (209), which are designed for potential elementary teachers who lack a background in mathematics or science).
- at least 1.0 credit in visual or performing arts selected from:
 - ANTH 3510Y (351), ANTH – CAST – INDG 2530Y (253)
 - CUST 2016Y (216), 2025Y (225), 2045Y (245), 2070Y (270), 2080Y (280), 2111Y (211), 3015Y (315), 3045Y (345), 3046 (346), 3070Y (370), 3075 (375), 3080Y (380), 3081Y (381), 3111Y (311), 3185Y (385), 4070Y (470)
 - ENGL 2152Y, 2153H, 3153H, 3123H, 3203H, 4150Y, 4151H, 4804Y, 4805H
 - INDG, 2010H, 2020H, 2110Y, 3010H, 3030H, 3300Y, INDG – ENGL 2480Y

2) Foundational Studies (at least 2.0 credits)

- at least 2.0 credits selected from: CAST – POST – SOCI 3000Y (300), ENGL 2001H, 2805H, 2810Y, 3100Y, 3102Y, HIST – CAST 2320Y (232), 2330Y (230), 2360Y, INDG 1000Y, 3300Y, 3350Y, INDG – ERST 2601Y, PSYC 2450H (202H), 2400H (225H), 2600H (227H), 2500H (281H), 3450H (307H), 3590H (308H), 3610H (323H), 3510H (381H), 3580H (383H), SOCI 2200Y (220), 2300Y (230), 3410H (341H), 3700Y (370), SOCI – ADMN 3340H (334H), SOCI – WMST 3430H (343H).

3) EDEM 4000Y – Learning styles and teaching children with special needs

This course is open only to students who have at least an overall average of 70% and are in their final year in the Emphasis in Teacher Education. It includes working with pupils with special needs, involving one half-day per week in a primary, junior or intermediate classroom and coursework focused on literacy development.

SECONDARY STREAM

In addition to the requirements for a single- or joint-major Honours B.A. or B.Sc., there are 11.0 required credits for the secondary stream. These credits are to be selected from the designated list of subjects and courses below and must include:

- 5.0 credits in the first teaching subject,
- 3.0 credits in the second teaching subject,
- 2.0 credits in Foundational Studies, and
- 1.0 additional credit from Foundational Studies or EDEM 4000Y.

1) Curriculum Studies (5.0 credits in first teaching subject, 3.0 credits in second teaching subject)

There are various teaching subjects to choose from and students should confirm which ones are offered in the consecutive programs they intend to apply to. In Trent's B.Ed program, teaching subjects include Biology, Chemistry, Computer Science, Dramatic Arts, English, French, Geography, History, Native Studies, Mathematics, Physics, Visual Arts and Physical Education. The minimum 5.0 + 3.0 requirement can be met through a single-major Honours degree, with three additional courses in a second teaching subject, or through a joint-major Honours degree in two teaching subjects.

2) Foundational Studies (at least 2.0 credits)

- at least 2.0 credits selected from: CAST – POST – SOCI 3000 (300), ENGL 2001H, 3100Y, 3810Y, 3850Y, 4850Y HIST – CAST 2320Y (232), INDG 1000Y, 3300Y, 3350Y, INDG – ERST 2601Y, PSYC 2400H (225H), 2450H (202H), 2500H (281H), 2600H (227H), 3450H (307H), 3510H (381H), 3580H (383H), 3590H (308H), 3610H (323H), SOCI 2200Y (220), 2300Y (230), 3410H (341H), 3700Y (370), SOCI – ADMN 3340H (334H), SOCI – WMST 3430H (343H).

3) EDEM 4000Y See above.

EMPHASIS IN THEATRE STUDIES

Telephone: 705-748-1011 ext. 7355
Fax: 705-748-1037

E-mail: istorey@trentu.ca

Program Coordinator

I. C. Storey, M.A. (Carleton), Ph.D. (York)

The Emphasis in Theatre Studies is available to students in any Honours or General program. This option will be of particular interest to those active in theatre or wishing to demonstrate a background in Theatre Arts. The transcripts of students graduating with an Honours or General degree who have successfully completed the requirements of the Emphasis will contain the notation "with an Emphasis in Theatre Studies." Students are advised to consult with the program coordinator early in their program.

The Emphasis in Theatre Studies consists of at least 6.0 credits including:

- 2.0 credits from Category A (Performance)
- 2.0 credits from Category B (History, Text, Theory)
- 2.0 additional credits from those listed below
- at least 3.0 of the total 6.0 credits must be from different academic disciplines

Category A (Performance)

AHCL 3301 (3959H Special Topic)
CUST 3070Y, 3175Y, 4070Y
ENGL 2152Y/2153H
INDG 2010H, 2020H, 2110Y, 3010H, 3030H,
3860Y

Category B (History, Text, Theory)

AHCL 2300Y
CUST 2070Y
ENGL 2150Y/2151H, 2804Y/2805H,
3123H, 3153H, 3202Y/3203H,
4150Y/4151H, 4804Y/4805H
One (1.0) of the following credits
may count as a Category B option:
FREN 3170Y, 3200Y
FREN – CAST 3230Y, 4230Y
HSST 3120H

International Educational Opportunities

Trent University has a long and successful history of welcoming students from around the world, as well as promoting international studies and study abroad opportunities. With more than 550 international students from 95 different countries, Trent has a strong international community at its core. For information on international admissions and programs, please visit www.trentu.ca/tip.

The Trent International Program (TIP) offers an exciting opportunity for Canadian and international students to live and study together in a global community. Students in the program, many of whom intend to pursue international careers, are committed to deepening their understanding of world issues, increasing their sensitivity to different cultures and, in the long term, promoting international learning and understanding.

TIP welcomes all Trent students, and has drawn participants from all regions of the world and from all of Canada's provinces and territories. Those who choose to be involved with the program may pursue a major or joint-major in any field, choosing from course offerings available to all Trent students. TIP students gather together regularly to explore international issues through a World Affairs Colloquium, and to participate in a range of social, educational and cross-cultural events.

Several departments and programs offer courses in global and international studies, including Ancient History & Classics, Anthropology, Cultural Studies, History, International Development Studies, Modern Languages & Literatures, Political Studies, Sociology, and Gender & Women's Studies. Students may complement their major or joint-majors with an Emphasis in International Political Economy. Other options include Individualized Study in Global Studies or a joint-major degree in International Political Economy. The Emphasis in Global Studies is also available to recognize students who have studied abroad and completed significant international course work (see Global Studies Emphasis).

Students may also choose to study abroad to enrich and internationalize their Trent degree (see Study Abroad Opportunities).

TRENT INTERNATIONAL PROGRAM (TIP)

Telephone 705-748-1314
Fax: 705-748-1626

E-mail: tip@trentu.ca
Web: www.trentu.ca/tip

Director

A. M. Allcott, M.A. (Utah), Ph.D. (SUNY, Buffalo)

International Programs and Services Manager

C. Bennett Awe

International Student Recruitment and Admissions Manager

D. Holt

TRENT-ESL: ENGLISH FOR UNIVERSITY

Telephone 705-748-1805
Fax 705-748-1830

E-mail: esl@trentu.ca
Web: www.trentu.ca/esl

TRENT-ESL Manager

C. D'Amico, B.A. (McMaster), B.Ed. (Queen's), M.A. (Royal Roads)

The Trent International Program offers TRENT-ESL: *English for University*. Trent-ESL is an intensive, academic English program designed for students who meet all requirements for admission to Trent except that of English-language proficiency (TOEFL PBT score of 580, IBT score of 90 with minimum of TWE score of 4.5 or equivalent). Students who are placed in the ESL 4 and 5 levels may begin to take a limited number of credit courses in conjunction with their ESL courses. After having successfully completed the ESL level 5 program, students can proceed to full-time degree studies. Students may begin the ESL program in September, January or May.

STUDY ABROAD OPPORTUNITIES

Trent students are encouraged to spend a summer, a term or a full academic year of their undergraduate degree studying in another country. Through the Trent International Study and Exchange Program (TISEP), students in all disciplines can participate in an exchange with universities in many countries, including England, Scotland, Wales, Finland, Iceland, Jamaica, Trinidad, Barbados, Belize, Spain, France, Germany, Hungary, South Africa, Mauritius, the Czech Republic, Malaysia, South Korea, Japan, Sweden, Australia, the United States and Mexico. The exchange normally takes place in the third year of the student's Honours program. Students may participate in a TIP exchange or coordinate, with the assistance of the Trent International Program (TIP), their own study-abroad program.

Specific departmental Study Abroad programs are also offered through Business Administration (France, Hungary, Sweden), Canadian Studies (USA), Environmental & Resource Studies (England and USA), Modern Languages & Literatures (France), and Physics & Astronomy (England). International Development Studies (Ecuador, Ghana) and Indigenous Studies (Thailand) combine academic courses with work-placement experience.

Students receive full credit for all approved courses successfully completed in exchange and year-abroad programs, including courses in community development that involve work placements.

All students wishing to pursue study outside Canada must apply through TIP and be approved in order to receive academic credit for the courses undertaken abroad. Pre-planning for a year abroad should begin in first year. The formal process begins in the Fall term of the student's second year with attendance at the TISEP Information Sessions and the Work Study Abroad Fair and completion of application forms (available from the TIP office and online). The deadline for application submission is February 28, 2012. Applications are reviewed and approved by the TISEP Advisory Committee; successful applications are forwarded to host universities for consideration. Students are notified by mid-March if they have been accepted. Placement of students in a host university is confirmed upon successful completion (with the maintenance of an overall B average) of their current academic year, and their participation in pre-departure sessions. Upon successful completion of the study abroad program, all pre-approved courses may be counted towards the student's Trent degree.

TIP provides information on a variety of short-term summer programs abroad, including: Trent in Shanghai, Trent in Belize, and Internship Opportunities in Hong Kong; see www.trentu.ca/tip for more details. Trent students are also able to apply for Summer Service-learning placements at agencies in Africa under the supervision of the World University Service of Canada (WUSC).

BURSARIES – INTERNATIONAL STUDY AWARDS

Bursary funds are made available through a few International Study Awards, designed to encourage and support the broadening of the academic experience through international study. These awards assist both Trent students planning to study abroad and international scholars attending Trent for a year of study. Each award has specific terms, and all are awarded on the basis of academic achievement and financial need. See *Bursaries* for a list of International bursaries or visit the website at www.trentu.ca/international.

- Scholarships and Bursaries for Study Abroad, see Financial Aid [p. 291](#)
- Rita Chiu Study Abroad Bursaries, see [p. 311](#)
- Edward Tremain Award for Study Abroad, see [p. 324](#)
- Jack Matthews Study & Research Abroad Bursaries, see [p. 315](#)

Applications and further details are available in the Trent International Program Office and at www.trentu.ca/international.

INTERNATIONAL ENTRANCE SCHOLARSHIPS

Trent International Program Scholarships enable outstanding scholars from around the world to study at Trent, thereby enhancing the international character of the University and contributing to an intellectually challenging and culturally exciting environment for all members of the Trent community. These awards recognize high academic standing and outstanding extracurricular and community service. Preference is normally given to applicants who would not otherwise have the financial resources necessary to study at Trent. Scholarship recipients are expected to be active participants in college and university life and to assume a leadership role in international activities, both at the University and within the broader community. See Scholarships for a list of International Scholarships or visit the website at www.trentu.ca/tip.

ADVISORY SERVICES FOR INTERNATIONAL STUDENTS

TIP provides advisory services for international students, including orientation and assistance with adjusting to life in Canada and at Trent University. Counselling and referral services are available for employment, finances, scholarships, health insurance, language proficiency, immigration issues, consumer services, academic challenges and residential life.

TRENT GLOBAL LIVING COMMUNITY

International and Canadian students may choose to augment their TIP experience by choosing to live in the “Trent Global Living Community.” TGLC is a residence space specifically for students who want to learn about different cultures and traditions by living and learning with people from all over the world. Learn more about TGLC by contacting the Trent International Program or the Housing Services office.

TRENT INTERNATIONAL STUDENTS’ ASSOCIATION (TISA)

This student-run organization includes both Canadian and international students who wish to internationalize their Trent experience. TISA works closely with TIP to foster a campus environment that encourages and supports cultural diversity. Members obtain valuable leadership skills organizing a wide variety of activities, including festivals, lectures, debates, films and guest speaker events, all designed to enhance and deepen awareness of international themes and global issues.

OTHER INTERNATIONALLY ORIENTED GROUPS

Several other internationally-oriented clubs and groups are also active on campus and maintain close ties with TIP. These include: AIESEC, Students Association in International Development (SAID); Hispanic Organization of Latin Awareness (HOLA); Hong Kong International Association (HKIA); Kawartha World Issues Centre (KWIC), a local global educational NGO; Ontario Public Interest Research Group (OPIRG); South Asians At Trent (SAAT); South East Asian Students at Trent; Trent African and Caribbean Students’ Union (TACSU); Trent Chinese Students Association; Trent European Association; Trent Japanese Association (TJA); Trent Jewish Students’ Association (TJSA); Trent Muslim Students Association (TMSA); Trent International Exchange and Study Abroad Society (TIESS); and World University Service of Canada (WUSC).

Joint Programs with Fleming College

Trent University, in collaboration with Fleming College, offers a number of joint programs which extend educational opportunities by combining theory and practice in a number of professional and career fields.

- For Degree Completion Options for Fleming Graduates, see [p. 246](#)
- For the Ecological Restoration Degree-Diploma Program, see [p. 93](#)
- For the Emphasis in Geographical Information Systems, see [p. 252](#)
- For the Emphasis in Museum Studies, see [p. 258](#)
- For the Bachelor of Science in Forensic Science (B.Sc.F.S.) degree, see [p. 129](#)
- For the Bachelor of Science in Nursing (B.Sc.N.) degree, see [p. 200](#)

Specializations

Specializations provide additional focus within individual programs.

To be eligible, students must successfully complete the requirements of both the Specialization and the Honours or General program in which they are enrolled. The transcripts of students who have done so will contain the notation “with a Specialization in [the appropriate Specialization].”

The following Specializations are available:

- Biochemistry & Molecular Biology: Health Sciences ([p. 50](#))
- Biology: Conservation Biology ([p. 49](#)); Health Sciences ([p. 50](#))
- Business Administration: Human Resource Management ([p. 59](#)); Indigenous Management & Economic Development ([p. 164](#))
- Computing & Information Systems: Computer Science ([p. 80](#)); High Performance Computing ([p. 80](#)); Software Engineering ([p. 81](#))
- Cultural Studies: Image, Sound & Performance; Writing & Narrative; Film, Video & Media; Social Thought ([p. 86](#))
- French Studies: Québec Studies ([p. 192](#))
- Indigenous Studies: Indigenous Management & Economic Development ([p. 164](#))
- Mathematics: Mathematical Finance ([p. 183](#)), Statistics ([p. 183](#))

Notes

- the following specializations in Environmental & Resource Science/Studies have been discontinued: Ecological Management; Environmental Politics, Policy & Law; Environmental Toxicology. Students currently registered in those specializations will still be able to complete them and should consult the Chair of the Environmental and Resource Science/Studies program for information.
- the specialization in Indigenous Environmental Studies has been discontinued. Students currently registered in this specialization will still be able to complete the specialization and should consult the Director of the Indigenous Environmental Studies program. Students may not graduate with a degree in Indigenous Environmental Studies and a Specialization in Indigenous Environmental Studies.

Year Abroad Programs

Trent University offers a range of Year Abroad programs which enable students to broaden their educational horizons and to add new perspectives to their academic interests, whatever the subject matter. The following Year Abroad programs are available:

- Year Abroad in Ecuador. See International Development Studies ([p. 172](#))
- Year Abroad in France. See Modern Languages & Literatures, French Studies section ([p. 191](#))
- Year Abroad in Ghana. See International Development Studies ([p. 172](#))
- Year Abroad in Thailand. See Indigenous Studies ([p. 165](#))

ADMISSIONS

Telephone: 705-748-1215

E-mail: admissions@trentu.ca

Fax: 705-748-1629

Web: www.trentu.ca/undergraduate

Office of the Registrar: Blackburn Hall, 1600 West Bank Drive, Peterborough, Ontario K9J 7B8

Trent University welcomes applications from Canadian and international students. Confirmation of an admission offer is required before students may register in courses. The same admission requirements, application and registration procedures, and deadlines apply to study in Peterborough, Oshawa and other locations.

PROTECTION OF PRIVACY

Trent University receives and maintains information used for the purposes of admission, registration and other fundamental activities related to being a member of the Trent University community and to attending a publicly funded post-secondary institution in the Province of Ontario. The application information provided by the applicant or student and any other information placed into the student file will be used to determine admission eligibility. Information provided may be used to contact an individual regarding their application and to provide other pertinent admission or registration information. All information will be protected and used in compliance with Trent University's *Policy on Privacy Protection and Freedom of Information*. Inquiries about the collection, use or disclosure of this information by the University should be directed to the University Registrar, Office of the Registrar, Blackburn Hall, 705-748-1215.

Degree and Diploma Programs

Trent University offers the following degree and diploma programs:

Degree Programs

Bachelor of Arts (Honours and General)

Bachelor of Business Administration (Honours)

Bachelor of Education Consecutive Program

Bachelor of Environmental Science/Studies (Honours)

Bachelor of Science (Honours and General)

Bachelor of Science in Forensic Science

Bachelor of Science in Nursing

Diploma Programs

Canadian Studies

Foundations of Indigenous Learning

Indigenous Environmental Studies

Indigenous Management &
Economic Development

Notes

- The Honours Degree programs and the Bachelor of Science Degree programs in Nursing and in Forensic Science are 20-credit programs, normally requiring four years of full-time study.
- The General Degree programs are 15-credit programs, normally requiring three years of full-time study.
- The Diploma programs are one or two years of full-time study.
- For information about Degree and Diploma programs see the relevant academic programs section of this Calendar.
- For information about the Consecutive Bachelor of Education program please refer to [p. 100](#) of the calendar.
- For information about the Emphasis in Geographical Information Systems and the Emphasis in Museum Studies, which are both offered jointly with Sir Sandford Fleming College, see Emphases section, [p. 250](#).

Admission Requirements

The admission requirements have been approved by the University Senate. Authority for interpretation of the regulations rests with the Office of the Registrar. The University has the right to accept or reject any applicant.

Minimum admission requirements

All percentages stated in these admission requirements are based on a pass mark of 50%. For schools and colleges operating on a pass mark other than 50%, the percentage required for admission is adjusted.

The minimum admission requirements outlined are for general admission to the Faculty of Arts and Science at the University. Some programs have additional assessment criteria.

English Proficiency Requirements

English is the normal language of instruction and communication at Trent University. Therefore, an applicant whose primary language is not English, or whose previous education has been conducted in another language, must demonstrate a command of English sufficient to meet the demands of classroom instruction, written assignments and participation in tutorials and discussions.

The following factors will be taken into account in assessing an applicant's facility in the English language:

- The primary language of the applicant ordinarily spoken in the home and in the workplace.
- The duration of study and the language of instruction in secondary and post-secondary educational institutions.
- The results obtained in any academic secondary and/or post-secondary courses in which a high standard of English is required.
- The results of English language proficiency tests.

Applicants who are determined by the University to have insufficient experience or skills in written and spoken English will be required to achieve a satisfactory score from one of the following English language testing services:

- TOEFL (Test of English as a Foreign Language). The minimum acceptable score for regular admission is 86 IBT, or 580 PBT with a minimum TWE score of 4.5 (but see gradual admission below).
- CAEL (Carleton English Language Test). The minimum acceptable score is 60, with at least 60 in Writing Proficiency (but see gradual admission below).
- MELAB (Michigan English Language Assessment Battery). The minimum acceptable score is 85, with no part below 80 (but see gradual admission below).
- IELTS (International English Language Testing Services). The minimum acceptable score is 6.5, with no band lower than 6 (but see gradual admission below).

Applicants who have results from recognized Canadian university English language testing services may submit their results for consideration.

Please note that Trent University reserves the right to request English language proficiency results from any applicant whose first language is not English.

Applicants with TOEFL (or equivalent) scores below the acceptable minimums are invited to apply for gradual admission through Trent-ESL: *English for University* program. Inquiries can be directed to the Trent International Program (e-mail: tip@trentu.ca).

The University's Right to Deny Admission

Completion of the minimum requirements does not guarantee admission to any course, program or department at the University. Enrolment is limited and the University will select the most qualified candidates for admission. Applicants are advised they will normally require a higher academic average than the published minimum. The University reserves the right to deny admission to any candidate. The University also reserves the right to refuse re-admission to candidates who have not achieved an acceptable academic standing as determined annually by the Academic Planning & Budget Committee.

Canadian High School Admission Requirements

Students must successfully complete the requirements for secondary school graduation.

A minimum average of 70% is required for consideration for admission to Trent University.

A minimum grade of 60% must be obtained in English. Scholarships are awarded with a minimum academic average of 80%.

	Alberta/NWT Nunavut	British Columbia/ Yukon	Manitoba	New Brunswick	Newfoundland
General Admission Requirements (required for all programs)	English 30 and at least four additional 30 or 31 courses.	English 12 and at least three additional grade 12 courses.	English 40S and at least four Grade 12 courses at S or U level.	English 121 or 122 (or French 12-1 or 12-2) and at least four additional academic Grade 12 courses.	Ten credits at the 3000 level including English 3201 (2 credits).
Education (Concurrent)	ALL PROVINCES – Students will fulfill requirements for a B.A. or B.Sc. and partial requirements for a B.Ed. while at Trent. Applicants are required to meet admission requirements for both the Education program and their chosen Faculty of Arts and Science program(s). A supplemental application (Personal Statement of Experience or PSE) is required and can be found online at www.trentu.ca/education/concurrent . A minimum average of 80% on courses considered for admission is required.				
Arts/Science Stream for Teacher Education	ALL PROVINCES – Students will fulfill requirements for a B.A. or B.Sc. Applicants are required to meet admission requirements for both the Education program and their chosen Faculty of Arts and Science program(s). A supplemental application (Profile of Experience) is required and can be found online at www.trentu.ca/education/concurrent . A minimum average of 75% on courses considered for admission is required.				
Bachelor of Environmental Science/Studies	A minimum average of 75% on courses considered for admission is required.				
Forensic Science	Biology 30, Chemistry 30, Math 30, Pure Math 30 or Math 31	Biology 12, Chemistry 12, Math 12	Biology 40S, Chemistry 40S, Math 40S or pre-calculus Math 40S.	Biology 121 or 122, Chemistry 121 or 122, Math 120, 121, 122.	Biology 3201, Chemistry 3202, Math 3200, 3201, 3204 or 3205.
	A minimum average of 75% on course considered for admission is required.				
Nursing	Biology 30, Chemistry 30, Math 30, Pure Math 30 or Math 31	Biology 12, Chemistry 12, Math 12	Biology 40S, Chemistry 40S, Math 40S or Pre-Calculus 40S	Biology 121 or 122, Chemistry 121 or 122, Math 120, 121 or 122.	Biology 3201, Chemistry 3202, Math 3200, 3201, 3204 or 3205.

Nova Scotia	Ontario	Prince Edward Island	Quebec	Saskatchewan
English 12 and at least four additional academic or advanced GR 12 courses.	ENG4U and five additional U or M courses.	English 621 and at least four additional 600 level academic or advanced subjects.	CEGEP – ENG 603 plus completion of at least 11 academic courses.	One 30-level English plus 4 additional academic grade 12 courses at level 30.
ALL PROVINCES – Students will fulfill requirements for a B.A. or B.Sc. and partial requirements for a B.Ed. while at Trent. Applicants are required to meet admission requirements for both the Education program and their chosen Faculty of Arts and Science program(s). A supplemental application (Personal Statement of Experience or PSE) is required and can be found online at www.trentu.ca/education/concurrent/admission.php A minimum average of 80% on courses considered for admission is required.				
ALL PROVINCES – Students will fulfill requirements for a B.A. or B.Sc. Applicants are required to meet admission requirements for both the Education program and their chosen Faculty of Arts and Science program(s). A supplemental application (Profile of Experience) is required and can be found online at www.trentu.ca/education/concurrent. A minimum average of 75% on courses considered for admission is required.				
A minimum average of 75% on course considered for admission is required.				
Biology 12, Chemistry 12, Math 12	ENG4U, SBI4U, SCH4U and MCB4U or MHF4U or MCV4U or MGA4U.	Biology 611 or 621, Chemistry 611 or 621, Math 611 or 621	Biology 101, Chemistry 202, Math 201 or Calculus 1 and II.	Biology 30, Chemistry 30, 30-level Math or Calculus.
A minimum average of 75% on course considered for admission is required.				
Biology 12, Chemistry 12, Math 12	SBI4U, SCH4U and any 4U Math	Biology 611 or 621, Chemistry 611 or 621, Math 611 or 621	Biology 101, Chemistry 202, Math 201 or Calculus 1 and II.	Biology 30, Chemistry 30, 30-level Math or Calculus.

The University's Right to Offer Part-time Admission to Full-Time Applicants

Because of course enrolment restrictions and scheduling issues, admission to the Arts and Science program does not guarantee access to specific courses or major areas of study. The University reserves the right to offer part-time admission to applicants for full-time studies who are not among those selected for full-time admission. All enrolment limits are subject to revision.

Special Entry

Applicants who do not meet the University's published admission requirements but can produce significant evidence of a likelihood of success at university, are invited to apply for special entry. All applicants for special entry will be required to submit a supplementary application outlining academic qualifications, experience and evidence in support of their likely success at university. The Extenuating Circumstances – supplemental application can be found at: www.trentu.ca/apply. Normally, applicants for special entry will be required to submit letters of reference and will be expected to make themselves available for an admission interview. Individuals interested in applying for special entry are advised to contact Admissions in advance of making application.

Mature Applicants

Applicants who are 21 years of age at the time classes commence, who have been out of a full-time educational institution for at least two years, and who are not eligible for admission consideration under the other published admission requirements, may apply as mature applicants. Applicants are required to submit a supplementary application outlining academic qualifications, experience, reasons for wanting to study at Trent and any further evidence in support of their likely academic success at university. The Mature Student – supplemental application form can be found at: www.trentu.ca/apply. Applicants may be asked to provide further information and/or make themselves available for an admission interview. Mature student applicants are normally considered for admission to the part-time studies program.

Transfer Credits

Transfer credits are credits that may be granted to a student prior to the commencement of study at the University. Trent University may recognize academic work completed previously at another accredited university or college by granting Advanced Standing or Transfer Credit, provided that the student's previous studies are equivalent in their content and rigour (see Admissions From Post-Secondary Institutions for further information). Advanced Standing and Transfer credit may also be granted for some standardized advanced high school programs (see Admission from Secondary Institutions for details).

General Policy on the Transfer of Course Credits from Other Ontario Universities

Trent University subscribes to the following general policy on the transfer of course credits, as adopted by the Council of Ontario Universities:

Acceptance of transfer credits from accredited universities shall be based on the recognition that, while learning experiences may differ in a variety of ways, their substance may be essentially equivalent in terms of their content and rigour. Insofar as possible, acceptance of transfer should allow for the maximum recognition of previous learning experience in university-level courses. Subject to degree, grade and program requirements, any course offered for credit by one university shall be accepted for credit by another Ontario university when there is an essential equivalency in course content.

Notes on Transfer Credit and Advanced Standing

Transfer credit is designated in three different ways:

1. Assigned credit is used when there is a Trent University equivalent.
2. Unassigned credit in a subject area is used for courses without Trent University equivalents, but which are acceptable to a department as fulfilling subject requirements toward a degree in that department. Individual departments may restrict the number of unassigned credits that may be counted toward a degree in that department.
3. General elective credit is used for courses which are judged to be transferable but do not fulfill specific departmental requirements. General elective credits are expressed in terms of arts elective or science elective courses.

Advanced Standing is placement to a certain level in a subject area granted to students on admission. The department concerned examines the applicant's previous work or asks him/her to take a placement test, and then places the applicant at a certain level in the sequence of courses in the department. Prerequisite status in a department means that the Trent prerequisite for a course will be waived to enable the student to go on to more advanced work in that discipline.

The total number of non-Trent credits may not exceed 10.0 for an honours degree and 7.5 for a general degree.

A grade of "P" (pass) is assigned to all transfer credits.

Changes to Transfer Credits

Any questions regarding transfer credits must be forwarded to the Office of the Registrar in writing by the end of the third week of classes in the Fall term at Trent, or within three weeks after receipt of the official transfer credit notification. Transfer credits are determined in accordance with the policies and regulations effective at the time the admission decision is made. Subsequent changes to policies and regulations will not affect a previously determined transfer credit assessment. Once transfer credits have been awarded and applied to a student's Trent academic record, they cannot be removed from that record.

Prerequisites for First-Year Courses

Students enrolled in B.A. or B.Sc. programs (excluding Business, Environmental Science/Studies, Forensic Science or Nursing) do not have to declare their major until the end of their first year of study. Individuals who wish to take courses leading to majors in: BIOLOGY, CHEMISTRY, MATH OR PHYSICS must ensure that they have the appropriate high school prerequisites to qualify for these first-year courses. Prerequisites for first-year courses are noted in each academic program section of the Calendar.

Notes

- Students applying to the Nursing B.Sc. program should be aware that there are non-academic requirements that must be completed before registration. For details see [p. 200](#).
- Students choosing a Bachelor of Science program should note that 14.0 science credits (including 1.0 in Mathematics) are required for the Honours degree, 11.0 (including 1.0 in Mathematics) for the General degree.
- Students applying to the Nursing B.Sc. or Forensic Science B.Sc. program should be aware that their English, Biology, Chemistry and Math grades will be used as part of the admission calculations.

Admissions from Secondary Institutions

Canadian High Schools. Please review the chart on [p. 268](#) for a detailed description of minimum requirements and prerequisites for admission from a Canadian Secondary school.

Concurrent Trent/Grade 12 Course Registration. Students studying under the university stream curriculum in their final year of secondary school who have high marks may apply to complete course work at Trent concurrent with their completion of grade 12 courses. Students are required to have marks consistently in the A/A+ range, and must obtain written permission from both the Principal of their school and the chair of the appropriate department at Trent University. Applicants are advised to contact the Manager, Admissions, in advance, for application and procedure deadlines.

International Baccalaureate (IB) program. All applicants who have completed the International Baccalaureate Diploma with a minimum overall score of 28 including three courses at the Higher Level and three courses at the Subsidiary Level will be considered for admission. English at a Higher or Subsidiary Level with a minimum grade of five (5) is required. Advanced standing and transfer credit will be granted for higher level subjects passed with a grade of five (5) or higher. The maximum credit that will be awarded from an IB Diploma is 5.0 credits (one year of full-time study). Please refer to Notes on Transfer Credit and Advanced Standing ([p. 270](#)).

General Certificate of Education (GCE). All applicants who have completed the General Certificate of Education (or equivalent) under the British system of education are required to pass at least five Ordinary Level subjects and two Advanced Level subjects with grades of C or better, or at least four Ordinary Level subjects and three Advanced Level subjects with grades of C or better. Two Advanced Subsidiary subjects may be substituted for one Advanced Level subject. A grade of C or better in O-Level English is required to satisfy the English proficiency requirement. Advanced level subjects with grades of C or better will be considered for Advanced Standing or transfer credit, to a maximum of 5.0 credits (one year of full-time study).

American High School Systems. All applicants who have completed a US high school diploma with a minimum GPA of 3.0 on a 4 point scale (or B average or 85%) in an academic program from a recognized institution will be eligible for consideration. A minimum of 70% in Grade 12 English is required. At least 4 different subjects at the matriculation level must be included. Combined SAT score of 1650 or composite ACT score of 24.

Other International Systems. Students studying outside Canada who have achieved admission levels for universities in their own country will be considered for admission on an individual basis. For information regarding country-specific admission requirements visit www.trentu.ca/tip.

Advanced Placement (AP) Program. Offered in high schools worldwide, the Advanced Placement Program provides motivated students with the opportunity to take some university-level courses while still in high school. All applicants who have completed Advanced Placement courses from the College Board are required to submit their examination results for evaluation. Advanced standing or transfer credit will be granted for most Advanced Placement courses with examination grades of four (4) or better, to a maximum of 5.0 credits (one full year of study).

ADVANCED PLACEMENT COURSE EQUIVALENCIES

AP Course Name	Trent Equivalency	Credit Value
Art History	Arts general credit (Year 1)	1.0
Art Studio (Drawing)	Arts general credit (Year 1)	1.0
Art Studies (General)	Arts general credit (Year 1)	1.0
Biology	BIOL 1020H and 1030H	0.5 + 0.5
Calculus AB	Science general credit (Year 1)	1.0
Calculus BC	MATH 1100Y	1.0
Chemistry	CHEM 1000H and CHEM 1010H	0.5 + 0.5
Comp. Gov. & Politics	Politics unassigned (Year 1)	0.5
Computer Science A	COIS 1010H	0.5
Computer Science AB	COIS 1010H and unassigned Computing & Information Systems unassigned (Year 1)	0.5 + 0.5
Macroeconomics	ECON 1020H	0.5
Microeconomics	ECON 1010H	0.5
English Language	No credit	0
English Literature	Arts general credit (Year 1)	1.0
Environmental Science	Environmental & Resources Science unassigned (Year 1)	1.0
French Language	Arts general credit (Year 1)	1.0
French Literature	Arts general credit (Year 1)	1.0
German	GRMN 1000Y	1.0
History – American	History unassigned (Year 1)	1.0
History – Europe	HIST 1200Y	1.0
Latin	LATN 1000H and 1001H	0.5 + 0.5
Music Literature	Arts general credit (Year 1)	1.0
Music Theory	Arts general credit (Year 1)	1.0
Physics B	Science general credit (Year 1)	1.0
Physics C – Electricity	Science general credit (Year 1)	0.5
Physics C – Mechanics	Science general credit (Year 1)	0.5
Psychology	PSYC 1020H & 1030H	0.5 + 0.5
Spanish Language	Arts general credit (Year 1)	1.0
Spanish Literature	Arts general credit (Year 1)	1.0
U.S. Government	Politics unassigned (Year 1)	0.5

Notes

- Students may receive appropriate assigned course-equivalency following an individual placement interview with the chair of the department.
- 1.0 credit equals one full-course; 0.5 credit equal one half-course.

Admissions from Post-Secondary Institutions

Please refer to Notes on Transfer Credit and Advanced Standing ([p. 270](#)).

Canadian Universities

Students applying for admission to the Faculty of Arts and Science from an accredited university will be considered for admission following at least one semester of study with a 65% average (2.5 GPA on a scale of 4.0). Admission consideration is based on a student's overall academic background including secondary school results. Enrolment is limited and the University will select the most qualified candidates for admission. Applicants are advised they will normally require a higher academic average than the published minimum. Up to 10.0 credits (the equivalent of two years of full-time study) may be transferred toward an undergraduate degree program for courses completed with a minimum of 60%.

Applicants holding a first degree may be admitted to undergraduate studies to undertake a second undergraduate degree. Applicants with first degrees from universities may be admitted with a minimum average of 65% (2.5 GPA on a scale of 4.0) and may receive up to 10.0 credits toward a second undergraduate degree. Applicants may not undertake a second degree in the same major or minor as their first degree.

Students serving a term of academic suspension or academic debarment at an accredited Canadian university will normally not be eligible for entrance consideration during the period of suspension or debarment.

Canadian Community Colleges

Students applying for admission to the Faculty of Arts and Science from a community college situated in Canada will be considered for admission following at least one semester of study with a minimum 65% average (2.5 GPA on a scale of 4.0). Admission consideration is based on a student's overall academic background including secondary school results. Enrolment is limited and the University will select the most qualified candidates for admission. Applicants are advised they will normally require a higher academic average than the published minimum.

Transfer credit to a maximum of 10.0 credits may be granted based on overall academic background, length of program, and on the recommendations of the appropriate departments at Trent University.

Ontario Colleges of Applied Arts and Technology (CAAT)

Students attending a College of Applied Arts and Technology (CAAT) will be considered for admission upon completion of at least one term of full-time study in an acceptable diploma program with an overall average of 65% (2.5 GPA on a scale of 4.0) or better. Enrolment is limited and the University will select the most qualified candidates for admission. Applicants are advised they will normally require a higher academic average than the published minimum.

Transfer credit to a maximum of 10.0 credits may be granted based on overall academic background, length of program, and on the recommendations of the appropriate departments at Trent University.

Quebec Applicants from CEGEP

Applicants from CEGEP are required to present at least 12 academic courses.

A minimum overall average of 65% is required. The admission average is based on all academic courses completed for credit. Failed courses will be taken into consideration in determining admission. Enrolment is limited and the University will select the most qualified candidates for admission. Applicants are advised they will normally require a higher academic average than the published minimum.

Students who have successfully completed two years of full-time study at CEGEP may be eligible for transfer credit to a maximum of 5.0 credits (equivalent to one year of full-time study) depending on the overall academic average or the recommendations of the appropriate departments at Trent University.

Foreign Post-Secondary Institutions

Students applying for admission to Trent University from an accredited university degree, college diploma or associate degree program outside Canada will be considered for admission following the completion of at least one semester of study. Admission consideration is based on the student's overall academic background including secondary school results. Academic averages required will depend on the academic system. Enrolment is limited and the University will select the most

qualified candidates for admission. Transfer credit to a maximum of 10.0 credits (the equivalent of two years of full-time study) may be granted depending on course content and marks. Applicants holding a first degree may be admitted to undergraduate studies to undertake a second undergraduate degree. Applicants may not undertake a second degree in the same major or minor as their first degree.

Second Degree

Students who have successfully completed an undergraduate degree may apply for admission to a second degree program. Students may not complete a second degree in the same subject area(s) as their first degree.

Students who have completed an undergraduate degree at an institution other than Trent must apply for admission online. Applications are available at www.trentu.ca/apply. Students who hold a Trent degree and wish to pursue a second degree must apply for re-admission to the second degree program (please see below for information on re-admission procedures).

The minimum requirements for admission to a second degree include successful completion of the first degree with 65% or better. As enrolment may be limited, applicants are advised they may require a higher academic average in order to be admitted. Note that a maximum of 10.0 credits (the equivalent of two years of full-time study) may be transferred for credit towards a second degree.

Policies on Re-admission

Definitions:

Re-admission: Re-admission is the process of application by former Trent University students to return to their studies after a voluntary or involuntary withdrawal.

Voluntary Withdrawal: If students choose to discontinue their studies at Trent University for a period of longer than 12 months, they are considered to have voluntarily withdrawn from the University.

Involuntary Withdrawal: If students are required by the University to sit out for an academic year (or more), then they are considered to have involuntarily withdrawn from the University. Students may be required to withdraw from the University for academic or non-academic reasons. The University reserves the right to apply additional criteria for re-admission after an involuntary withdrawal which include but are not limited to: admission to the Fresh Start Program, reduced course load, regular contact with a Senior Tutor, ongoing counselling or behavioural contracts (depending upon the specific nature of the involuntary withdrawal). The type of withdrawal will determine the policies on re-admission which apply at the time of application to return.

Policies on Re-admission following Voluntary Withdrawal from the University

(Full detailed instructions regarding the application process can be found at www.trentu.ca/apply.)

Category	Status prior to Re-admission	Policy
Student has not been registered for a 12-month period	- Academic status of "good standing" - Cumulative average of 65% over 3.0 or more credits	admit full-time or part-time (based upon student request)
Student has not been registered for a 12-month period	Academic Status of "probation"	admit full-time or part-time (based upon existing academic eligibility)
Student has not been registered for a 12-month period	- has completed fewer than 3.0 credits - no academic status has been assessed	admit full-time or part-time (based upon existing academic eligibility)
Student has graduated with a General degree and wishes to pursue an Honours degree	Meet the requirements for continuation in an Honours program	- admit full-time or part-time (based on student request) - admit to Honours program (if major is same as General) or to Second Degree (if major is different from General degree)

Policies on Re-admission following Involuntary Withdrawal from the University

(Full detailed instructions regarding the application process can be found at www.trentu.ca/apply.)

Category	Status prior to Re-admission	Policy
Student has not been registered for a 12-month period	– academic status of “suspension” – requires that the student sit out for an academic year (12 months).	– Admit full-time or part-time (based upon existing academic eligibility)
Student has not been registered in the previous Fall/Winter session	– academic status of “good” or “probation” but student withdrawn at the request of the University	– Admit full-time or part-time (based upon existing academic eligibility) – must provide a letter indicating the grounds on which re-admission is requested – must provide certification that reasons for involuntary withdrawal have been resolved or dealt with so that the student's commitment to academic success is not compromised – must fulfill all other conditions in effect at time of initial admission

Possession of the minimum requirements does not guarantee re-admission. All applicants must apply and submit all appropriate documentation by the application deadlines. Students seeking re-admission who have attended another post-secondary institution since their last session at Trent University, must declare their attendance at these institutions on their application for readmission and must ensure that official post-secondary transcripts are forwarded to the Office of the Registrar for admissions consideration.

Course work completed during a voluntary or involuntary withdrawal may not necessarily be considered for transfer credit.

Visiting (Non-Degree) Students

Students wishing to enrol in courses at Trent University for a particular academic session but who are not pursuing a formal Trent University credential (i.e., degree or diploma) are defined as Visiting (Non-Degree) students. All Visiting (Non-Degree) students are required to follow the usual admissions procedures and are expected to meet the same admission requirements as degree students at Trent University. Visiting (Non-Degree) students are not evaluated for transfer credit

Letter of Permission students are Visiting (Non-Degree) students who are intending their Trent course work to be applied to a credential at another accredited post-secondary institutions. In addition to meeting the requirements above, students applying to Trent University on Letter of Permission must also submit an official Letter of Permission from their home institutions. An offer of admission does not guarantee registration in the courses indicated on the Letter of Permission. Students may be required to obtain permission from appropriate academic departments.

Special Students are Visiting (Non-Degree) students who are not intending their Trent course work to be applied to a credential at any other accredited post-secondary institution.

Application Procedures

Application Deadlines

Early application is always encouraged. Please refer to the ‘University Diary’ at the front of this calendar for specific deadlines for submission of applications and required documentation. Please also refer to www.trentu.ca/apply for further information.

Definition of Full-Time and Part-Time Course Load

Any student taking 3.5 credits or more in the Fall/Winter session will be considered a full-time student. The maximum number of credits a full-time student may take in the Fall/Winter session without overload approval is 5.0.

The maximum number of credits a part-time student may earn in the Fall/Winter session is 3.0. The maximum number of credits a part-time student may earn in either the Fall term or the Winter term is 1.5 (or equivalent).

See [p. 14](#) for more information on course credits.

Application Process for Full- and Part-Time Studies

Please visit to www.trentu.ca/apply for information regarding appropriate application procedures for all sessions.

Application to Diploma Programs

Trent University offers diploma programs in Canadian Studies, Foundations of Indigenous Learning, Indigenous Environmental Studies, and Indigenous Management & Economic Development. Further information regarding application procedures, requirements and deadlines is included in the academic programs section of this Calendar.

Applications are made online. Please visit to www.trentu.ca/apply for details.

Application to Joint Programs with Fleming College

Trent University participates in several joint programs with Fleming College. Application for the Emphasis in Geographical Information Systems and the Emphasis in Museum Studies must be made to both Fleming College and Trent University. Students enrolled in the Ecological Restoration Program at Fleming College will be provided with further instructions as to how to transition to studies at Trent University during their final session at Fleming College. Application for the Bachelor of Science in Nursing (B.Sc.N.) must be made through the Ontario University Application Centre (OUAC). For further information regarding application procedures, see Joint Programs with Fleming College ([p. 265](#)).

Application Processing and Offers of Admission

Ontario secondary school applicants who will complete their high school diploma requirements in June and commence university studies in September will have their grades provided to Trent by the Ontario Universities' Application Centre. Applicants normally will be notified of their admission status beginning in January for September admission.

All other applicants to Trent will be required to directly submit original transcripts and other documents necessary for the assessment of their application. Applicants will be notified of their admission status as soon as possible. Students are encouraged, therefore, to apply early and to make prompt arrangements for all necessary documents to be sent to Trent. The university may also request an interview to assist in making an admission decision.

Applicants whose primary language is not English must write a standardized English test (see English Proficiency Requirements) and have the results submitted directly from the testing agency to Trent University.

Documentation

The following documents will be required for the processing of applications for admission:

- An official copy of the appropriate secondary school transcript.
- Official transcripts from all post-secondary institutions attended, whether or not the work was completed.
- Official reports of any standard tests written (e.g., TOEFL, CAEL, MELAB, IELTS, AP, SAT).

All documents must be official; in those instances where official documents in English are not available, certified translations will be required and should accompany the official document. Documents submitted with an application become the property of the University and will not be returned.

Retention of Documents

The documents which support an application for admission will be retained in a student file upon commencement of studies at Trent University. All documentation submitted in support of applications for individuals who do register in courses at Trent University for the term to which they applied for admission will be retained for 12 months following the session to which application was made. Then, application forms, transcripts and other materials related to an application will be destroyed.

Registration Procedures

Fall/Winter Session – Continuing Students (Full- and Part-time)

Students normally register for Fall/Winter courses in June. Students may register on myTrent, with their entrance to the system governed by the number of credits completed by the end of the previous Fall/Winter session. Students who know that they will be unable to access myTrent from a remote location may fill out a course preference form available through the Office of the Registrar; this form must be returned to the Office of the Registrar before the end of May. On the form, students will list the courses they wish to register in. The student will be registered by a staff member when the student would have normally had access to myTrent.

Fall/Winter courses are offered in both Peterborough and Oshawa; locations of the courses are listed in the academic timetable.

Summer Session – Continuing Students (Full- and Part-time)

Students normally register for Summer session courses in March through myTrent. Summer session courses are offered in both Peterborough and Oshawa. Details are available at www.trentu.ca/summer.

Registration – Students New to Trent University

Students who have not previously attended a university or college are encouraged to attend a New Student Advising session during the summer. This is an opportunity for students and parents to obtain more information about Trent University and for students to register in courses. Transfer and re-admit students will be provided with information on how to register as soon as they accept their offer of admission and are encouraged to register as early as possible.

Introductory Seminar Week (the week before the start of classes in September) is designed to provide students with an introduction to student life at Trent and an opportunity to explore and gain a clear understanding of their academic options. New students arrive at the colleges on the first Monday of September (Labour Day), and on Tuesday meet with academic advisers to discuss program options. From Tuesday through Thursday, students attend introductory lectures and information sessions which are designed to help them confirm their course choices. During this time students may also resolve outstanding fee issues and acquire their photo ID student cards.

New Part-time Students

Students new to university study, as well as transfer and re-admit students, will be provided with instructions on how to register using the web-based registration system. Students are required to finalize their course selection and submit any changes by the published due date.

Official Registration

Official registration is complete when the student has registered in courses and forwarded the appropriate fee payment (or evidence of external financial support) to Financial Services. Failure to complete this requirement by the University's published fee payment deadline will result in cancellation of all registration in courses and college residence assignments.

Students who have had their registration cancelled and wish to continue their studies must contact the Office of the Registrar for details on how to proceed with registration. Payment of fees or deposits related to tuition or residence does not excuse a student from compliance with deadlines or other procedures related to registration. Attending courses does not constitute official registration; students are required to register in courses using myTrent and to submit the appropriate tuition fees by the required due date. Students who have not registered by the due date will not receive a mark for the work completed and will not receive credit for the course.

Changing From Part-Time To Full-Time Studies

Continuing part-time students who wish to transfer to full-time status for the next Fall/Winter session must submit a request via myTrent by the required date. The Office of the Registrar considers all applications following review of final marks in May. Notifications are e-mailed to students in mid-June. The minimum requirements to transfer to full-time studies are: a current academic status of "good standing," 3.0 or more Trent credits completed with a grade of 50% or higher, and a cumulative average of 65% or higher. Students placed on probation will not be considered for admission or re-admission to the full-time program.

Possession of the minimum requirements does not guarantee admission to full-time studies.

Changes, Withdrawals, Refunds

Once a student has registered in a course, a grade will be assigned for that course unless the student withdraws from the course before the published deadline for withdrawal. The deadlines for dropping, adding and withdrawing from courses are listed in the University Diary near the front of this Calendar. Students may be de-registered from courses where the prerequisite standing has not been achieved.

Changes to Registration

Students wishing to drop or add courses must do so before the drop and add deadline. Students who are unable to register using myTrent must obtain approval from the department and submit a Course Drop/Add form to the Office of the Registrar by the due date. These forms are obtained at the department Office (for the course(s) in which the student wishes to enrol).

Withdrawal from the University

Students wishing to withdraw from their studies at Trent University must fill out a Withdrawal Form, available at the Office of the Registrar the TIP Office, or through their College Office. Students are encouraged to discuss their decision with an administrative staff person (University Registrar, Assistant Registrar, College Head, Senior Tutor, or TIP advisors). Students will not be considered withdrawn, and any refunding of fees will not occur, until the Withdrawal Form and Trent student ID card have been received at the Office of the Registrar. Resident students will not be considered to be withdrawn from the University until their residence keys and Trent student card have been returned to the Office of Student Affairs. Note that students may temporarily withdraw from their studies for a period of up to 12 months without having to undergo the re-admission process.

Students who have questions about the procedures and regulatory implications of withdrawal from the University may contact the Office of the Registrar. Students with student loans or scholarships are advised to consult the Financial Aid Office regarding any financial implications prior to withdrawal.

Refunds

Please refer to the Fees section of this Calendar ([p. 289](#)) for refund policy and schedule.

Late Withdrawal from Courses and from the University

"Late withdrawal" is withdrawal from courses, or from the University, after the applicable deadline as listed in the University Diary printed near the front of this Calendar.

Students must petition for late withdrawal by completing the appropriate forms available from www.trentu.ca/deanundergraduate/academicpetitions. Petitions are considered by the Committee on Undergraduate Petitions (CUP).

FEES

Contact Information

Telephone: 705-748-1317
Fax: 705-748-1564

E-mail: studentaccounts@trentu.ca
Web: www.trentu.ca/financialservices

Address: Student Accounts Office, Blackburn Hall, 1600 West Bank Drive, Peterborough ON K9J 7B8

Fees are collected by the Student Accounts Office. Approved fees and complete details regarding fees are posted on the web on the Student Accounts home page (see web address above). Registered students can access an online fee calculator by logging in to their myTrent portal. The web link to myTrent is on the Trent home page, www.trentu.ca.

Student Financial Responsibilities

Students accept responsibility for all financial obligations with the University upon registering in a course regardless of how the fees are being funded. It is also the responsibility of students to be aware of all financial as well as academic deadlines and to ensure they are officially registered in their courses using myTrent. Refunds will not be issued once financial deadlines are past. Payments will be applied to any balance owing from prior sessions before being applied to current session fees. Students who register for courses but do not attend classes are still responsible for all fees unless courses are dropped within the refund period.

Payment Methods

Payments may be made by credit card (VISA, MasterCard, and American Express) on the web at www.trentu.ca/financialservices. Fee payments can be made at most financial institutions and through Internet banking – requires your student number. Cash payments are accepted at the Student Accounts Office (do not send cash in the mail). Cheques, money orders and bank drafts made payable to Trent University may be mailed to the Student Accounts Office.

International Student Payments are to be made by wire transfer. Banking details are available on the Student Accounts home page at www.trentu.ca/financialservices/payment.php.

Advance Payments

A non-refundable tuition payment of \$300 for full-time students and \$100 for part-time students is due by June 17, 2011 (applies to both Peterborough and Oshawa locations). OSAP students are responsible for paying the advance payment of tuition. Students in residence are required to pay an advanced fee of \$500 by May 31, 2011 (subject to change). For all students, the advance payments are applied to the student accounts as payment towards the registration and residence/meal fees.

Payment of Fees

Students registered for the 2011-2012 academic year have the option of paying their fees in full or two instalments. Students electing to pay their fees in two instalments will be charged an additional \$60.00 (non-refundable). This fee should be included with their first instalment payment.

Payment in full or first instalment of fees for Fall and Winter courses is due on or before August 15, 2011 with the second instalment due no later than January 16, 2012. Students registering for Fall or Winter courses between August 15, 2011 and September 30, 2011 will be required to pay their fees upon registration. The payment deadline for students registering for Winter courses after September 30, 2011 is December 16, 2011.

Students commencing University in January 2012 (students not attending Trent University between September and December 2011) will be required to pay their fees in full by December 16, 2011.

Outstanding library fines are paid at Bata Library. In addition, all fees such as departmental charges for laboratory fees, field trips, etc. as advised by course instructors are to be included with the January 16, 2012 payment.

Fees for students registered for the 2011 Summer session are due upon registration and/or before the start of the summer term in which the student has registered for a class.

See Late Payments and Dishonoured Payments below for additional related fee information.

Deferment Fee

Students deferring payment of their fees past the University's payment deadlines will be assessed the deferment fee of \$35 per student account. All students paying their fees using OSAP or a University-approved external funding agency will be charged the deferment fee.

Late Payments

A \$75 late payment fee will be levied if payment is not made by any fee deadline date for any academic session.

Dishonoured Payments

There is a \$40 fee for any payment which is returned/dishonoured. The University reserves the right to restrict students to a particular payment method to reduce the risk of returned payments.

Payment of Fees by OSAP and Out-of-Province Loans

Students funded by OSAP or out-of-province student loans and deferring payment (first instalment or full payment) of their fees past the fee deadline date will be charged a \$35 deferment fee. Students are responsible for ensuring that their loan application is complete and that all of the requirements have been met. Students are responsible for negotiating their loan document through the Financial Aid Office located in Blackburn Hall in the Registrar's Office. Students who do not negotiate their loan document to ensure that payments are remitted to the University on or before October 14, 2011 and/or February 15, 2012, will be charged a late payment penalty.

Registered Education Savings Plans (RESP)

Students who pay their fees from RESPs are subject to the same payment deadlines. Students are encouraged to contact the Office of the Registrar well in advance of the payment due dates to request the completion of the RESP forms provided by the student's financial institution. These forms may take up to 10 days to be processed and there is a fee for producing the form.

Tuition Fees

Tuition rates, once approved, will be posted on the web at www.trentu.ca/financialservices/fees.php. An online fee calculator is available for registered students to calculate tuition fees on their myTrent home page. A tax certificate for fees assessed during the calendar year and eligible for the education deduction (T2202A) will be provided in February. Fees which are eligible to be included on the T2202A can be found on the CRA website: www.cra-arc.gc.ca/E/pub/tp/it515r2/it515r2-e.html#P64_2432.

Domestic Tuition Fees

Tuition for new students in 2010-2011 was \$5,213.69. Per course tuition for new students was \$1,042.74 in 2010-2011.

International Tuition Fees

International students are charged full-time tuition fees and the tuition rate for new international students in 2010-2011 was \$14,496.82.

Full-Time Peterborough

Students admitted to full-time studies in Peterborough (a course load of 3.5 or more credits with more than 50% of these credits taken in Peterborough) are required to pay full-time Peterborough registration fees. If, after September 30, 2011, a student increases the course load for the academic year to more than 3.0 credits, and if more than 50% of the credits are taken in Peterborough, part-time fees will be reversed and full-time Peterborough fees will be charged. For particular courses, students are expected to pay for field trips and/or course materials and will be advised of these fees by their instructor.

Full-Time Oshawa

Students whose programs include 3.5 or more credits with 50% or more of these credits taken in Oshawa are considered to be full-time Oshawa students and will pay registration fees on a per-credit basis. For particular courses, students are expected to pay for field trips and/or course materials and will be advised of these fees by their instructor.

Part-Time Peterborough and Oshawa

Students whose programs include 3.0 or fewer credits are considered part-time students and pay registration fees on a per-credit basis. If students increase their course load for the academic year to more than 3.0 credits after September 30, 2011, and more than 50% of the credits are taken in Peterborough, part-time fees will be reversed and full-time Peterborough fees will become payable. If students increase their course load for the academic year to more than 3.0 credits after September 30, 2011, and 50% or more of the credits are taken in Oshawa, part-time fees will be reversed and full-time Oshawa fees are charged on a per credit basis. For particular courses, students are expected to pay for field trips and/or course materials and will be advised of these fees by their instructor.

Peterborough students moving from full- to part-time status must exchange their full-time student card for a part-time student card before the end of September to avoid being charged bus pass fees.

GENERAL UNDERGRADUATE PROGRAMS – ANCILLARY FEES

Ancillary Fees – Full-time Peterborough Students

Peterborough students admitted to full-time studies will normally be affiliated with one of the five residential colleges for full-time students and will be required to pay the ancillary fees for full-time students. New students also pay an Introductory Seminar Week fee. In 2010-2011 these fees were (subject to change in 2011-2012):

Athletics Expansion	\$ 50.00
Athletics	175.46
Campus Card	9.00
College Activities	225.79
Convocation	16.17
Student Wellness Services	50.64
Introductory Seminar Week	84.00 (new and transfer students only)
Transportation	241.75

Ancillary Fees – Full-time Oshawa Students

Students taking a full-time course load of 3.5 or more credits with 50% or more of these credits taken in Oshawa pay ancillary fees on a per-credit basis. Full-time Oshawa students pay ancillary fees for full-time Oshawa campus students. In 2010-2011, the program fees were (subject to change in 2011-2012):

Athletics	\$ 98.14 per student
Student Health Services	6.00 per student
College Fee	34.26 per full-credit
Convocation	3.23 per full-credit
Student Association	23.00 per full-credit
Student Services	10.00 per full-credit
Transportation	126.00 per student
Campus Card	9.00 per student

Ancillary Fees – Part-time Peterborough Students

All students admitted to part-time studies will normally be affiliated with Julian Blackburn College, the University's non-residential college. This includes continuing full-time students who decide to register part-time and change their affiliation to JBC. Part-time students registered in courses offered in Peterborough pay ancillary fees for part-time Peterborough campus students. In 2010-2011 these fees were (subject to change in 2011-2012):

Athletics	\$ 49.06 per full-credit
College Fee	34.26 per full-credit
Convocation	3.23 per full-credit
Student Wellness	10.27 per credit
Part-time Student Card	9.00 per student

Part-time students can purchase bus passes at any time during the academic year. The September 2010 price was \$241.75 (subject to change).

Ancillary Fees – Part-time Oshawa Students

Part-time Oshawa students pay ancillary fees for part-time Oshawa campus students. In 2010-2011, the program fees were (subject to change in 2011-2012):

College Fee	\$ 34.26 per full-credit
Convocation	3.23 per full-credit
Student Services	10.00 per full-credit
Student Association	23.00 per full-credit
Part-time Student Card	9.00 per student
Athletics	98.14 per student
Student Health Services	6.00 per student

Part-time students registered in courses outside Peterborough are not required to pay ancillary fees for athletics and health services.

RESIDENCE FEES (reviewed every year)

Residence accommodations and meal plans are available to full-time and part-time students based on availability.

Rates for the rooms are approved through a collaborative budget process between students, faculty and administration. The final rates for any particular year are posted on the Department of Housing Services website (www.trentu.ca/housing) by late May of each year. The current year's rates are listed on the website or may be accessed by calling the Housing office. The posted rates include a furnished room in residence, a meal plan, and telephone/internet service. All important dates with regards to application deadlines, and the opening and closing of residence are also listed on the website.

Returning student applications are available in December of each year. In order to activate the application and receive an Offer of Accommodation, students must submit a \$30 non-refundable application fee. Upon receiving the Offer, students must submit a \$500 advance payment to hold the room. This payment may be post-dated, though no later than May 31, 2011 (subject to change). Returning students must be in good academic, college, disciplinary, and financial standing with the University for their applications to be accepted and remain valid. The application forms are available online at www.trentu.ca/housing.

New full-time students applying to the University must apply for residence to be considered for accommodation. The Residence Application is available online. Residence Applications are considered complete once the following are submitted: a completed residence application; a non-refundable application fee of \$30; and acceptance of the Offer of Admission from Trent University. An advance payment of \$500 to hold the space will be due two weeks after the Residence Assignment e-mail is sent to the student. Cancellations prior to July 29, 2011 will result in an administrative charge of \$150 and a refund of \$350. Cancellations after July 29, 2011 will result in forfeiture of the \$500 advance payment. Please see our website for details about the "Residence Guarantee" for first year students who submit their complete application by a set deadline.

For all students, the \$500 advance payment is applied to their student account as payment towards the residence and meal fees.

MEAL PLAN FEES

The University's room and meal plan fees include the cost of a full meal plan for the academic year commencing at dinner on Labour Day.

There are multiple styles of meal plans depending upon the college residence in which a student lives. Regardless of the type of meal plan, any student is able to eat at all college dining halls and at Bata Library.

New Students: A Flex Dollar (declining balance – pay for what you take) meal plan is available at Champlain College, Champlain Annex and Otonabee College. A combination of a set number of Board meals per week ("all-you-care-to-eat" style) and Flex Dollars is available at Lady Eaton College and Gzowski College.

Returning Students: Returning students may select any college meal plan they wish.

Off-Residence Students: Non-residential, Flex Dollar meal plans are available for students not living in residence in a wide variety of sizes to suit your needs. All food service locations are available to off-residence students' meal plans. Meal plans are non-transferable.

Please refer to www.trent.campusdish.com for more information.

GENERAL UNDERGRADUATE PROGRAMS – STUDENT ASSOCIATION AND ORGANIZATION FEES

Student association and organization fees are determined by student referenda which are held under the supervision of the Trent Central Student Association for full-time students in Peterborough, The Trent in Oshawa Student Association for full-time and part time students in Oshawa and the Julian Blackburn College Student Association for part-time students in Peterborough.

All full- and part-time students are required to pay student association and organization fees. These fees are not refundable unless specifically noted. These fees in 2010-2011 included the following (subject to change in 2011-2012):

Part-time Levy – \$6.00 per full-credit (2010-2011 rates)

Full-time Oshawa Levies

Transportation Fee	126.00 per student
Student Association	23.00 per full-credit

Full-time Peterborough Levies

Absynthe Newspaper*	4.00	Shinerama	0.50
Active Minds*	2.00	Student Co-Op Housing Initiative*	3.00
Arthur	9.50	Sustainable Trent	2.00
Can. Fed of Students	8.02	TCSA	26.58
Can. Fed / Ontario	6.68	TCSA Club Funding	7.00
College Cabinet/Council	12.75	TCSA Dental**	112.00
College Pubs*	5.00	TCSA Health Plan**	150.00
Emergency First Response	5.25	TCSA Student Services	3.00
Frontier College at Trent*	2.00	Theatre Trent	3.00
International Scholarship Fund	5.00	Trent Annual	18.00
International Student Association	2.00	Trent Child Care	2.00
Journal of Undergraduate Studies*	2.10	Trent Film Society	3.00
KWIC*	5.14	Trent Music Society	2.50
OPIRG*	9.00	Trent Nature Areas*	2.00
Organic Gardens	1.50	Trent Queer Collective*	1.50
OXFAM*	3.00	Trent Radio	15.00
Peterborough Coalition Against Poverty*	1.00	Centre for Gender and Social Justice	4.99
PR Community & Student Association	25.20	W.U.S.C.	5.90
Seasoned Spoon Café*	2.84	Walkhome	1.00
Sexual Violence Support	3.00	Total	\$ 477.95

* These organizations provide refunds upon request.

** Students may opt out and receive refunds from the TCSA Health Benefits Office with proof of alternative coverage. Returning students who have opted out or new/transfer students intending to opt out of the TCSA Health Plan and/or Dental Plan must still submit payment of these fees to Trent University. Refunds will be issued through TCSA after registration status has been confirmed.

TRENT/FLEMING NURSING PROGRAM FEES (subject to change in 2011–2012)

Trent/Fleming Nursing program students pay ancillary fees and student association fees as listed below:

Ancillary Fees (Nursing)

Alumni	24.50
Athletics	87.73
Athletics Expansion	50.00
Campus Card	9.00
CNSA Membership	5.00
College Fee	225.79
Convocation	16.17
Information Technology	152.00
PS & WC Membership	164.00
Student Wellness Services	25.32
Transportation	241.75
ID Card for Placements (new students only)	8.00
Introductory Seminar Week (new students only)	84.00
Total	\$1,093.26

Student Association Fees (Nursing)

Absynthe Newspaper*	2.00	Sexual Violence Support	1.50
Arthur	4.75	Shinerama	0.25
Athletics – SSFC	38.50	Student Assoc. Activity – SSFC	58.50
Active Minds	1.00	Student Co-Op Housing Initiative	1.50
Building Fund – SSFC	42.00	Student Facility	12.60
Can. Fed of Students	8.02	Sustainable Trent	1.00
Can. Fed of Students – Ont.	6.68	TCSA	13.29
College Cabinet/Council Fees	6.37	TCSA Club Funding	3.50
College Pubs	2.5	TCSA Dental Plan**	112.00
Emergency First Response	2.62	TCSA Health Plan**	150.00
Frontier College at Trent*	1.00	Theatre Trent	1.50
International Scholarships	2.50	Trent Annual	9.00
International Student Association	1.00	Trent Child Care	1.00
Journal of Undergrad. Studies*	1.05	Trent CSA Club Funding Levy	2.00
KWIC*	2.57	Trent Film Society	1.50
O.P.I.R.G.*	4.50	Trent Music Society	1.25
Organic Gardens	0.75	Trent Nature Areas*	1.00
OXFAM *	1.50	Trent Queer Collective*	0.75
Ptbo Coalition Against Poverty	0.50	Trent Radio	7.50
Seasoned Spoon Café*	1.42	Women's Centre	2.50
		W.U.S.C.	2.95
		Total	\$516.32

* These organizations provide refunds upon request.

** Students may opt out and receive refunds from the TCSA Health Benefits Office with proof of alternative coverage. Returning students who have opted out or new/transfer students intending to opt out of the TCSA Health Plan and/or Dental Plan must still submit payment of these fees to Trent University. Refunds will be issued through TCSA after registration status has been confirmed.

TRENT SCHOOL OF EDUCATION PROGRAM FEES (SUBJECT TO CHANGE IN 2011-2012)

Transportation fee of \$241.75 (subject to change in 2011-2012) is optional.

Full-time School of Education students pay ancillary fees and student association fees as listed below:

Ancillary Fees (Education)

Athletics	175.46
Athletics Expansion	50.00
Campus Card	9.00
College Fee	225.79
Convocation	16.17
Student Wellness Services	50.64
Total	\$527.06

Student Association Fees (Education)

Absynthe Newspaper*	4.00	Shinerama	0.50
Active Minds*	2.00	Student Co-Op Housing Initiative*	3.00
Arthur	9.50	Sustainable Trent	2.00
Can. Fed of Students	8.02	TCSA	26.58
Can. Fed / Ontario	6.68	TCSA Club Funding	7.00
College Cabinet/Council	12.75	TCSA Dental**	112.00
College Pubs*	5.00	TCSA Health Plan**	150.00
Emergency First Response	5.25	TCSA Student Services	3.00
Frontier College at Trent*	2.00	Theatre Trent	3.00
International Scholarship Fund	5.00	Trent Annual	18.00
International Student Association	2.00	Trent Child Care	2.00
Journal of Undergraduate Studies*	2.10	Trent Film Society	3.00
KWIC*	5.14	Trent Music Society	2.50
OPIRG*	9.00	Trent Nature Areas*	2.00
Organic Gardens	1.50	Trent Queer Collective*	1.50
OXFAM*	3.00	Trent Radio	15.00
Peterborough Coalition Against Poverty*	1.00	Centre for Gender and Social Justice	4.99
PR Community & Student Association	25.20	W.U.S.C.	5.90
Seasoned Spoon Café*	2.84	Walkhome	1.00
Sexual Violence Support	3.00	Total	\$477.95

* These organizations provide refunds upon request.

** Students may opt out and receive refunds from the TCSA Health Benefits Office with proof of alternative coverage. Returning students who have opted out or new/transfer students intending to opt out of the TCSA Health Plan and/or Dental Plan must still submit payment of these fees to Trent University. Refunds will be issued through TCSA after registration status has been confirmed.

Part-time School of Education Students pay ancillary fees and student association fees as listed below:

Ancillary Fees (Education, part-time)

Athletics	87.73
Campus Card	9.00
College Fee	112.90
Convocation	8.09
Student Wellness Services	25.32
Total	\$243.04

Student Association Fees – same as full-time Education students – see above

ADDRESSES FOR STUDENT ACCOUNTS PURPOSES

It is the student's responsibility to ensure the University has a valid mailing address for student fee purposes. If students change their address on myTrent, all mailings will be distributed to this address. If students wish to change the address of their permanent residence, they must advise the Student Accounts Office using the address change form at: www.trentu.ca/admin/finance/students/students.htm. If students do not provide their address on the web, all Student Accounts mailings will be directed to their home address.

HEALTH INSURANCE FOR INTERNATIONAL STUDENTS

Effective July 1, 1994, the Ontario Government ruled that international students and their dependents who are temporary residents of Ontario will no longer be eligible for coverage under the Ontario Health Insurance Plan (OHIP). Therefore, international students are required to purchase basic health insurance coverage to register for their courses at Trent University. Private coverage with Sun Life has been arranged through a joint initiative of the Council of Ontario Universities and the universities. A compulsory health insurance fee, payable in full with the fee payment, must be paid to Trent University by all international students to provide this health insurance coverage. In 2010-2011 the health insurance fee was \$720.00 for single coverage. Coverage is also available for dependents.

AUDITING COURSES (subject to change in 2011-2012)

Any persons who wish to audit courses pay 50% of the regular tuition fee for regular credit courses. Auditing students do not pay ancillary fees.

SENIOR CITIZENS (subject to change in 2011-2012)

Persons 65 years and older pay full fees. Seniors in financial need may apply for a student bursary with the Student Financial Aid Office. Seniors auditing a course pay only \$200 per course.

OTHER FEES

Additional fees (subject to change in 2011-2012) (HST will be added where applicable):

Academic appeal of final grades	\$ 25.00
Application to Graduate	\$35.00
Additional parking permit/replacement	50.00
Application for admission – additional charges may apply See www.trentu.ca/undergraduate/howdoiapply.php	Base fee of \$120.00
Application for re-admission	50.00
Assessment letter – special requests	35.00
Athletics – locker rental: Full locker per month	4.25
Part locker per month	2.25
Degree replacement	50.00
Fax services	10.00
Fee deferment application	35.00
Fee payment instalment fee	60.00
Financial appeals	25.00
Financial penalty for registration in a completed course at end of term	200.00
Foreign university placement	200.00
Late convocation application fee	25.00
Trent International Program: exchange application	200.00
Late payment (payments made past financial deadlines for each session)	75.00
Late payment of parking fines	20.00
Late registration fee:	
Full-time students: before July 31	100.00
after July 31	200.00
Part-time students: before July 31	50.00
after July 31	100.00
New/re-admit students (full-time): after deadline	100.00
New/re-admit students (part-time): after deadline	50.00

Letter of Permission for courses at other Universities	50.00
Library fines for overdue books and lost material	various
Microfilming fee	37.00
Parking permits for the academic year:	
Red	338.60
Blue	238.00
Green	99.00
Replacement of bus pass	prorated schedule
Replacement of library card (external borrower)	5.00
Replacement of lock	200.00
Replacement of mail box key	25.00
Replacement of residence key	100.00
Replacement of student I.D. card	40.00
Replacement of tax tuition form:	
current session	8.00
previous session	18.50
Returned cheque fee	40.00
Short-term loan application	10.00
Special financial letters	10.00
Thesis binding fee	13.00
TIP camp activity fee	195.00
Transcripts – per copy: normal service	10.00
Vehicle license search	25.00
Verification of enrolment	10.00
Withdrawal from the University before start of classes:	
___ Academic Year – September to April	
___ Full-time students tuition forfeiture	300.00
___ Part-time students tuition forfeiture	100.00
___ Summer Session – May to August	70.00
Year Abroad program Fees (non-refundable):	
___ Ecuador	3,500.00
___ France	1,200.00
___ Ghana	3,500.00
___ Thailand	3,400.00

Additional fees may be assessed directly by some departments for courses involving laboratory or field work or for course material. Some of these fees may be refundable. Additional fees are also charged to students who participate in one of the University's Year Abroad programs. Academic departments will provide detailed information on request.

TRENT UNIVERSITY AND FLEMING COLLEGE

Trent University and Fleming College offer a number of programs on a joint basis. The fee structure for the courses taken under these joint programs at Trent University may differ slightly from the regular fee structure. The University's Student Financial Services Office will be able to provide more information about the fees charged by the University. See also Joint Programs with Fleming College ([p. 265](#)).

TEXTBOOKS

The cost of books and materials varies according to individual course requirements, with those for science courses tending to be more expensive than those for arts courses. On average, full-time students should be prepared to spend approximately \$1000 a year for books. Both new and used textbooks are available from the Trent University Bookstore. The Bookstore accepts MasterCard and Visa. The Bookstore provides limited refunds of textbook purchases. Students are expected to familiarize themselves with the Bookstore's textbook refund policies.

WITHDRAWAL FROM THE UNIVERSITY AND REFUND OF FEES

For the refund/withdrawal schedule, see the schedule below and on the web at www.trentu.ca/financialservices/refund.php. Fees are assessed for the academic year September to April and not on a semester basis. Students electing to pay on an instalment basis may still be responsible for fees in January depending on the date of the withdrawal and the terms of the courses from which a withdrawal is processed.

When students register for courses they accept financial responsibility for fees associated with the registration. If proper withdrawal procedures are not followed, students will be charged for the registered courses and will be responsible for remitting the fees to the University. Students considering withdrawing from the institution should discuss academic and financial consequences with their academic advisors and staff in the Student Accounts Office. If students are funded by OSAP, they should contact Financial Aid to understand the consequences of withdrawing on their student loans.

Ancillary fees are not refundable unless otherwise indicated.

Tuition fees are refundable only if students have followed official procedures for withdrawal from the University. Students must obtain a Withdrawal Form from the Office of the Registrar. They are then required to meet with the Manager, Operations in the Office of the Registrar and have the form completed with student card attached. The Student Accounts Office will not process a refund until it has received the student's identification card and Withdrawal Form. Students should contact the Office of the Registrar for further details.

TUITION FEES REFUND SCHEDULE (*subject to change without notice*)

Advance tuition payments are forfeited if complete withdrawal occurs on or before September 30, 2011. \$300 for full-time students and \$100 for part-time students.

Fall/Winter courses 2011-2012 (per credit)

<i>Period start and end date</i>	<i>Tuition and Ancillary</i>
Sept 12 to Sept 30	Advance tuition payment is forfeited – balance of paid fees refunded
Oct 3 to Oct 21	60% refund of tuition
Oct 24 to Nov 11	40% refund of tuition
After Nov 14	No refund of full courses

Half courses – Fall (per credit)

<i>Period start and end date</i>	<i>Tuition and Ancillary</i>
Sept 12 to Sept 30	Advance tuition payment is forfeited – balance of paid fees refunded
After Sept 30	No refund of Fall half courses

Half courses – Winter (per credit)

<i>Period start and end date</i>	<i>Tuition and Ancillary</i>
Jan 2 to Jan 27	Tuition refund balance of unpaid fees refunded
After Jan 27	No refund of Winter half courses

- Student Association fees are non-refundable after September 30, 2011.
- Student Organization levies are non-refundable after September 30, 2011 on Fall and Fall/Winter credits.
- For students billed on a per-credit basis, for winter credits, student association and student organization levies are non-refundable after the start of term.
- This refund schedule applies to students paying on a per-credit basis. Credit will be issued to the student account based on the course type (ie. FA, FW, WI), the drop-date and the applicable percentage. Students paying full-time fees who drop credits but still carry a full-time load do not receive any refund unless the student changes/drops from full-time to part-time status (and the drop period for the credit falls within the refund schedule dates) or completely withdraws from the University. If a full-time student withdraws before September 30, 2011, only the advance tuition payment is forfeit and must be paid.

CAMPUS CARD

The campus card is issued to students at the beginning of the term for which they have completed registration. To utilize full card benefits, students must be financially eligible; by satisfying the minimum payment requirements. Students completing registration for the winter term only may receive their campus cards no earlier than the beginning of January.

2011 SUMMER TUITION FEES REFUND SCHEDULE (subject to change in 2011-2012)

The refund schedule for Summer 2011 will be posted at www.trentu.ca/financialservices/refund.php once the timing of the summer terms is approved.

A withdrawal fee of \$70.00 is applicable for full withdrawals before the start of summer session.

Student Government fees are non-refundable after the first day of summer session terms.

Summer students can switch credits taken in the same term with no penalty – as long as courses are dropped or added on the same day. Half-credit courses must replace half-credit courses and full-credit courses must replace full-credit courses; all changed courses must be taken in the same location (e.g., either Peterborough or Oshawa). Refunds for students registered in the summer 2011 session will be processed after July 29, 2011.

DROPPING COURSES

Full-time Peterborough students who drop courses but retain a course load of at least 3.5 credits are still considered full-time and do not receive a refund for the dropped courses.

Full-time Oshawa students who drop courses will receive a tuition rebate only to their student account, prorated according to the course drop dates. There will be no proportionate refund of any ancillary or student association/organization fees.

Students changing from full-time Peterborough to part-time (i.e., fewer than 3.5 courses) are allowed to do so without financial penalties until September 30, 2011. After September 30, credits to student accounts will be prorated refunds in tuition fees based on the date courses are dropped. There will be no proportionate refund of any of the ancillary fees or student association/organization fees.

REFUNDS

A refund table has been provided above which outlines the percentages at certain dates during the academic year at which the fee refunds are calculated for full withdrawal from the University or for a course withdrawal by a part-time student. The actual amount of refund will depend on the amount of fees actually paid. The table assumes that all fees are paid. Student Association and Organization Fees are not refundable by the University. Students withdrawing and receiving a refund will have the refund processed within 45 days of the withdrawal date. Refunds for continuing students who drop courses will not be issued during the Fall/Winter session until after the last date to register in Winter courses (January 27, 2012).

Refunds of overpayments on accounts will not be processed unless 100% of all fees for the academic session have been paid. Refunds to students registered for the 2011–2012 academic year will not be considered until October 2011 and are processed in the order that the requests are received.

Refunds of overpayments on accounts which were paid on the Trent University website will be refunded through the same process. Refunds for excess funds transferred to the student account by wire payment will not be refunded by cheque to the student but will be returned via original payment method. All other payment methods will be refunded by cheque. Cheques will be sent by mail to the address on file for the student.

FINANCIAL APPEALS

Students accept financial responsibility for fees associated with all registered courses at the time they complete registration. Students wishing to submit a financial appeal because of rare or exceptional circumstances which led to the dropping of courses or full withdrawal may do so in writing for a fee of \$25.00. The financial appeal should be submitted to the Supervisor of Accounting Operations. Exceptional circumstances are those which would have been impossible for the student to predict at the time of registering in a course, such as a serious illness diagnosed after the start of term. Such cases must be completely documented. Financial appeals will not be considered when conditions/circumstances existed at the time of registration. Failure to plan financially for personal and educational commitments is not a basis for a financial appeal. The fee must be submitted with the appeal. Financial appeals will only be considered in writing with supporting documentation from the student. If the financial appeal is successful, the \$25.00 will be refunded. A successful academic appeal (e.g. CUP petition for late withdrawal) does not mean a student has the grounds for a successful financial appeal. Written documentation should include references from any sources which can substantiate a student's personal situation. Students will be notified of the decision in writing within 45 days of submission. The last date for submission of a financial appeal for an academic term is the end of the first month after the end of term relevant to the dropped course for which the appeal is submitted. An academic appeal is to remove courses from transcripts or to have grades adjusted and is not the same as a financial appeal. A financial appeal will affect a student's account balance. If account balances remain unpaid, transcripts will not be released.

UNPAID STUDENT ACCOUNTS

Students who have not paid their accounts in full will not be permitted to register for the next session. Access to myTrent will be restricted and grades and transcripts will not be released until the financial obligations have been fully settled.

Unpaid accounts of students who are no longer registered with the University will be placed with a collection agency and the students will be unable to register for any further courses until the outstanding balance has been paid.

CONFIDENTIALITY OF STUDENT FEE INFORMATION

The handling of all personal information by the University is governed by the Freedom of Information and Protection of Privacy Act. All information regarding student fees is treated as confidential and will normally only be released to individual students. In cases where sponsoring government and private agencies and organizations or individuals are paying fees on the student's behalf, the student may wish to waive the right of privacy and allow the University to release information about the status of fees to avoid any interruption in payment. To ensure that the necessary fee information is available to sponsoring agencies, etc., students must sign and return a release waiver. The Consent for Release of Fee Information can be found on the Student Accounts home page at www.trentu.ca/financialservices/forms.php and is to be forwarded to the Student Accounts Office. The waiver of confidentiality will remain in effect until Student Accounts receives a written and signed request to terminate the waiver currently on file.

SCHEDULE OF FEES

To assist new students in their financial planning, a fee schedule, based on 2010-2011 rates, is included. The actual fees for the 2011-2012 academic year will not be available until May 2011 after they have been approved by the University's Board of Governors. Approved fees will be posted on the Student Accounts web page. Continuing registered students may use the Fee Calculator on myTrent.

New Full-time Student Fees General Programs *(subject to change in 2011-2012)*

	Full-time Domestic	Full-time International
Ancillary	852.81	852.81
Course tuition	5,213.69	14,496.82
Foreign Health Insurance Plan (UHIP)	0.00	720.00
Student levies	477.95	477.95
TIP Camp		195.00
Total	\$6,544.45	\$16,742.58

New Trent/Fleming Nursing Program Fees *(subject to change in 2011-2012)*

Ancillary	1,102.42
Course tuition	4,989.18
Student levies	488.22
Total	\$6,579.82

<i>If paid by instalment:</i>	Full-time Domestic Compressed	Full-time International Compressed	Full-time Domestic Regular	Full-time Domestic Regular
First Instalment	4,224.44	10,709.32	4,399.28	10,884.16
Second Instalment	2,393.01	6,106.26	2,483.99	6,197.24

- International students pay an additional \$9,283.13 (2010-2011 rate) in tuition fees. International students also pay \$720.00 (2010-2011 rate) for health insurance with their fee payment. Health insurance coverage is compulsory. Without this additional payment, registration will not be complete.
- New full-time students pay an additional \$84.00 (2010-2011 rate) Introductory Seminar Fee with their fee payment (not included in the above). This fee is non-refundable.
- The first instalment includes a \$60.00 instalment fee. This fee is non-refundable.
- Students who do not meet the January 17, 2012 second instalment deadline will be charged a \$75.00 late payment fee.
- There may be additional fees for field trips and course material in certain courses.

FINANCIAL AID

Blackburn Hall, Room 101

Telephone: 705-748-1524

Fax: 705-748-1629

E-mail: financialaid@trentu.ca

Web: www.trentu.ca/financialaid

Manager

Alice Pelkman, Assistant Registrar, Financial Aid

The Financial Aid office administers the many financial aid programs available at Trent, and provides assistance and advice to students seeking financial aid. Detailed information on financial aid is available on the Financial Aid website at www.trentu.ca/financialaid.

Thank You to Our Benefactors

The funds we are able to offer students for financial aid and recognition of academic excellence include gifts from individuals, corporations and other organizations through annual campaign and legacy giving programs and through support from various levels of government. We are grateful to our past and present donors for their contributions which benefit our students and support education and research at Trent University.

For more information about the Trent University Endowment Fund and named endowment funds please contact:

Office of Advancement

Telephone: 705-748-1601

Fax: 705-748-1605

E-mail: advancement@trentu.ca

Scholarships

Trent University offers a full and diverse scholarship program designed to foster and reward high academic achievement among its students. All new entering students with a final admission average of 80% or above will be considered for one of Trent University's Renewable Entrance Scholarships. In-course students who did not receive an entrance scholarship, and achieve an average of 85% on 5.0 Trent University credits during an academic year, will be considered for an in-course scholarship; please see further details below. International students should refer to the International Scholarship section of this calendar for scholarship information.

All University scholarships may be held in conjunction with scholarships awarded by outside agencies when the conditions of the latter permit. However, a student may not receive funds from more than one major Trent University scholarship in an academic year.

Students must be registered in a 100% course load (5.0 credits in the Fall/Winter session) to receive a Trent University scholarship.

Renewable scholarships require an average of 80% in 5.0 Trent University credits during an academic year to be renewed in the following year. Renewable scholarships may be renewed for a maximum of four years of undergraduate study. All scholarships and awards will be applied against a student's account.

Students with documented disabilities may be eligible to receive scholarships based on a reduced course load. Please contact the Disability Services Office, or the Financial Aid Office.

Full details on Trent's scholarship program are available on the Financial Aid website: www.trentu.ca/financialaid.

ENTRANCE SCHOLARSHIPS

Trent University offers renewable entrance scholarships to students with final admission averages of 80% or greater. Please see below for a complete listing of Trent University's scholarship programs.

PRESTIGIOUS SCHOLARSHIPS

Trent's most prestigious scholarships, the Champlain Scholarship, the Board of Governors' Leadership Scholarship, the Michael Treadwell Scholarship, the Canada-Wide Science Fair Scholarship, the Shad Valley Alumni Scholarship and the Trent University Special Admissions Scholarship, are renewable scholarships awarded to new students entering the first year of study who have displayed exceptional academic and extra-curricular achievement, and who are judged likely to make a significant contribution to the life of the University. Students must apply for these scholarships; only one application for all of the prestigious scholarships is required. The application can be found on the Financial Aid website at www.trentu.ca/financialaid. Previous winners of these scholarships have normally had an average of at least 90%. The winners of the prestigious scholarships are usually announced in late April.

Students with a final entrance average of 80% or higher who did not apply, or are not eligible, for a prestigious scholarship will automatically be considered for a Trent University National Renewable entrance scholarship.

Champlain Scholarship

Awarded to entering students of exceptionally high academic achievement and promise. These scholarships have an overall value of \$20,000 consisting of \$5,000 in the first year and \$5,000 in each of the succeeding three years providing that an academic average of 80% is maintained in 5.0 Trent University credits in each academic year.

Michael Treadwell Scholarship

Established in 2000 to honour the late Professor Michael Treadwell, one of the earliest members of Trent University's department of English Literature, a noted scholar and bibliographer in the field of 17th- and 18th-century English Literature, and a devoted friend to his many undergraduate students. Awarded every four years to an entering student of exceptionally high academic achievement and promise intending to major in the humanities. It has an overall value of \$18,000, consisting of \$4,500 in each of four years of study providing that an academic average of 80% is maintained in 5.0 Trent University credits in each academic year. Awarded for the first time for the 2005–2006 academic year and at four-year intervals thereafter. The winner will be selected by the English department.

Board of Governors' Leadership Scholarship

Awarded to an entering student who has shown outstanding leadership and involvement in his/her community as well as high academic achievement. This scholarship has an overall value of \$18,000 consisting of \$4,500 in each of four years of study providing that an academic average of 80% is maintained in 5.0 Trent University credits in each academic year.

Trent University Special Admission Scholarship

Awarded to entering students of outstanding academic and extra-curricular achievement. These scholarships have an overall value of \$15,000 consisting of \$3750 in each of four years of study, providing that an academic average of 80% is maintained in 5.0 Trent University credits in each academic year.

Canada Wide Science Fair Scholarship

Awarded to an entering student of outstanding academic and extra-curricular achievement who has been awarded a medal or honourable mention for a senior-level project at a Canada-Wide science fair within the past two calendar years.

The Shad Valley Alumni Scholarship

Awarded to an entering student of outstanding academic and extra-curricular achievement who has participated in a Shad Valley program. This scholarship has an overall value of \$15,000 consisting of \$3750 in each of four years of study, providing that an academic average of 80% is maintained in 5.0 Trent University credits in each academic year.

TRENT UNIVERSITY NATIONAL RENEWABLE SCHOLARSHIP

Awarded to students entering their first year at Trent with a final admission average of 80% or higher, who are registered in a 100% course load (5.0 credits) during the Fall/Winter session, and not in receipt of a Prestigious, or other, Trent University entrance scholarship. Students may be entering directly from high school or transferring from a college or another university. Scholarship values range from: 80% to 84.9%, \$1,000 each year; 85% to 89.9%, \$1,500 each year; 90% to 94.9%, \$2,500 each year; and 95% or higher, \$3,000 each year.

Scholarships may be received for a maximum of four years of undergraduate study. No application is necessary. To renew a scholarship, students must maintain an 80% average in 5.0 Trent University credits each academic year and be registered in a 100% course load (5.0 credits in the Fall/Winter session). Full details are available on the Financial Aid website: www.trentu.ca/financialaid.

NURSING SCHOLARSHIP

Awarded to students entering the B.Sc.N. program with an admission average of 80% or higher who are registered in a 100% course load (5.0 credits) during the Fall/Winter session. Students may be entering directly from high school or transferring from a college or another university. Scholarship values range from: 80% to 84.9%, \$500; 85% to 89.9%, \$1,000; and 90% or higher, \$2,000 each year. No application is necessary. Nursing scholarships are awarded in addition to the Trent National Renewable Scholarships and are renewable for up to four years. To renew a scholarship, students must maintain an 80% average in 5.0 Trent University credits each academic year and be registered in a 100% course load (5.0 credits in the Fall/Winter session). Full details are available on the Financial Aid website: www.trentu.ca/financialaid.

IN-COURSE SCHOLARSHIPS

Undergraduate students who did not receive a renewable entrance scholarship are automatically considered for an in-course scholarship at the end of their first year. Unless specifically noted, these scholarships do not require an application. Students already receiving a renewable entrance scholarship are not eligible to receive an in-course scholarship.

Students who achieve an 85% average in 5.0 Trent University credits during the previous academic year and are currently registered in a 100% course load (5.0 credits during the Fall/Winter session), are eligible for an in-course scholarship of \$1000; students with an average of 90%, or higher, are eligible for a scholarship of \$2000. Full details are available on the Financial Aid website: www.trentu.ca/financialaid.

Listed below are endowed scholarships awarded to Trent students for academic excellence. These scholarships may be awarded as in-course or entrance scholarships. Unless specifically noted, the scholarships do not require an application.

ENDOWED IN-COURSE AND ENTRANCE SCHOLARSHIPS

Robert Annett Scholarships

There are two scholarships named in honour of Professor Robert G. Annett who taught Biochemistry at Trent University 1968–1998 and was Master of Otonabee College 1994–1998. His compassion and selflessness endeared him to colleagues, students and staff. These scholarships, gifts of the Annett family, friends and alumni, are normally awarded to an Otonabee College student majoring in Chemistry, preferably Biochemistry.

Bill Armstrong Scholarship

The gift of Daryl Bennett in memory of William (Bill) Armstrong of Orono. Awarded, on the recommendation of the coordinator of the Northern and Polar Studies program, to a student of high achievement and promise, entering the final year of an Honours program with an Emphasis in Northern and Polar Studies.

Bata Scholarship

The gift of Thomas J. Bata, one of the original honorary sponsors of the University and a member of the Board of Governors. To be awarded to a second year student in any program.

John Bernard Scholarship

Established by John Bernard, President of Donna Cona. Awarded annually to an outstanding Aboriginal student (First Nation, Métis or Inuit) who has completed at least one year at Trent and whose work contributes to the wise use of technology within Aboriginal communities.

Bews Scholarship

Awarded to students in their second, third and fourth year majoring in Classical Studies, Modern Languages, or English Literature, in that respective order, based on academic achievement. These scholarships were established by W.A. (Bill) and Vena Bews, parents of Professor Janet P. Bews of Trent University.

Janet Bews Scholarship in Alzheimer Disease and Related Dementias

Established by the Alzheimer Society of Peterborough and Area in memory of Professor Janet P. Bews, a member of the Trent Classics department from 1966–1999 and a strong advocate for the Alzheimer Society. Awarded to a fourth year student enrolled in the Trent/Fleming Nursing program and showing a career interest in nursing care for persons with dementia. Selection is based on academic merit and an essay and interview application process.

Binney & Smith Scholarship

Established by Binney & Smith (Canada) Ltd. of Lindsay. Awarded to students in the Queen's-Trent Teacher Education program.

Biology Department Scholarship

Awarded to a student of high academic achievement and promise entering the third or fourth year of the Biology program.

Maurice Boote Scholarship

Established in honour of Maurice J. Boote, one of the founding faculty members of Trent University and the first chair of the Economics department. Awarded to an outstanding student entering the fourth year of the Honours program in Economics.

Winifred Elizabeth Burton Scholarship

A scholarship of \$1,000. Awarded to an outstanding student entering first or a higher year.

Cyril and Jenny Carter Scholarships in Environmental Studies

Awarded to a student of high academic achievement and promise entering the second, third or fourth year of the Environmental Science/Studies program.

Cyril and Jenny Carter Scholarship in Mathematics

Awarded to a student of high academic achievement and promise entering the second, third or fourth year of the Mathematics program.

Anthony Cekota Scholarships

Established to honour Anthony Cekota, a self-made man who edited and published a chain of magazines and newspapers in his native Czechoslovakia and also authored several books and papers on problems of industrial management and sociology, continuing as a consultant and advisor on industrial relations following his retirement after 45 years with the Bata Shoe organization. Awarded to students demonstrating exceptional academic performance.

Sylvia Cherney Scholarship

The gift of the late Harry Cherney and of Brian Cherney and Lawrence Cherney, is named in memory of Sylvia Cherney. Awarded to in-course students majoring in English Literature with the aim of encouraging promise and interest in the study of drama.

Children of Alumni Scholarship

Established in 1987 to recognize that the second generation, the children of our alumni, was at hand. To qualify, at least one of the applicant's parents or grandparents must have graduated, received an honorary degree from Trent University or completed five or more courses at Trent.

City of Kawartha Lakes Scholarship

Established by the Town of Lindsay. Awarded to an entering student of high academic achievement from the City of Kawartha Lakes, who has also demonstrated peer leadership in the school setting and involvement in community affairs.

Cranston Scholarship

A gift of alumnus John Cranston and alumna Mary Cranston. Awarded to a current Trent student who has demonstrated considerable academic improvement while at Trent.

Howard Darling Scholarship

Established in honour of Howard Darling, Supervisor, Grounds and Custodial services. Awarded to an upper-year student who has demonstrated excellence in Environmental & Resource Studies.

Roscoe F. Downey Scholarship

The gift of the late Roscoe F. Downey of Peterborough. Awarded to an entering student from Peterborough or Victoria County.

William Paxton Eastwood Scholarship

The gift of the late William Paxton Eastwood, a former citizen of Peterborough and Ocala, Florida. Awarded in recognition of academic excellence.

Roy L. Edwards Scholarship

Established in honour of Roy L. Edwards, one of the founding faculty members of Trent University and the first chair of the Biology department. Awarded to an outstanding student entering the fourth year of the Honours program in Biology, with the aim of encouraging promise and interest in the study of freshwater ecology.

Department of English Literature Scholarship

The gift of the English Literature department. Awarded to the best student entering the fourth year of the Honours program in English Literature.

Ewing Memorial Scholarships and Honours Awards

The gift of the late C. W. Ewing, a native of Warkworth, Ontario. Awarded to students entering the University and for Honours students undertaking a fourth year of study.

Faculty Scholarship

The gift of a member of the founding academic staff of Trent University. Awarded to an entering student living in residence.

Reginald R. Faryon Scholarships

The gift of the Quaker Oats Company of Canada, in memory of the late Reginald R. Faryon, a former president of the company, and an active member of the founding board of Trent University.

Robert M. Fowler Scholarship

The gift of the Quaker Oats Company of Canada in memory of the late Robert M. Fowler, a former member of the Board of Directors of Quaker Oats, and of the Board of Governors of Trent University. Awarded to a student in the Business Administration program or to one undertaking policy studies in other appropriate university departments.

Rufus Gibbs Scholarships

The gift of the late Rufus C. Gibbs. Awarded to students in all years, on the basis of academic standing, all-round achievement and character.

John Gilchrist Memorial Scholarship

Named in memory of John Gilchrist, a distinguished medieval scholar who taught at Trent. Awarded to an upper-year student with a single or joint-major in one of Ancient History & Classics, Canadian Studies, Cultural Studies, English, History, Modern Languages or Philosophy.

Joseph Ernest Goodhead Scholarship

The gift of an anonymous donor, of the value of \$100. Awarded for excellence in the study of biology.

Hector and Geraldine Elizabeth Gray Scholarships

The gift of the late Hector and Geraldine Elizabeth Gray. Awarded to students entering the third year of a Bachelor of Arts program.

Green and White Athletic Scholarships

Athletic Financial Awards are offered to entering student athletes who have achieved an academic average above 80%, and have been recruited for athletics skills and abilities.

Peter Gzowski Northern Scholarship

This scholarship was established by the law firm Heenan Blaikie and by his friends across Canada, to honour the late Peter Gzowski, the eighth Chancellor of Trent University. One scholarship is awarded annually to an academically outstanding undergraduate, with a demonstrated interest in northern and polar studies and who has engaged in northern research as part of his or her undergraduate studies.

The F. A. Hagar Scholarship

Established in 1988 by the friends and colleagues of Professor Hagar to mark his retirement from the History department at Trent University. Assists a recent graduate of Trent University to pursue further studies at an accredited post-secondary institution in the British Isles or India in the fields of British or Indian History or English Literature.

Brian Heeney Scholarship

Established as a memorial by Brian Heeney's family, friends and colleagues. Awarded to an outstanding student entering first year.

Heritage Scholarship

This scholarship honours the Curtis and Milburn families, both of which settled very early in the Peterborough area and have contributed continuously to its development. It is awarded to one outstanding student entering the final year of the Honours program in English literature.

George Henry and Jane Laing Howson Scholarship

The gift of the late Miss A. Howson and the late Mrs. M. H. Simpson, in memory of their late parents. Awarded to a student with high academic standing who is proceeding to the degree of Bachelor of Arts.

Francis Dean Kerr Scholarship

The gift of the late Mrs. F. D. Kerr of Peterborough, in honour of her late husband who was one of the original honorary sponsors of the University.

Margaret Laurence Scholarship

Named in honour of the late Margaret Laurence, a former Chancellor of the University. Awarded for outstanding achievement in the fields of Canadian literature or Canadian Studies.

Lodge Physics Scholarships

Named in honour of the founding chair of the Physics & Astronomy department. Awarded to the best student in each of the first, second and third years who is entering the next year of a single- or joint-major program in Physics, Chemical Physics, Computing Systems & Physics or Mathematical Physics. The award is based on Physics courses leading to the major or joint-major.

Marys' Fund Scholarship

Established in honour of Mary Margaret (Stuart) Beattie and Mary Marjorie (Murphy) Beattie, respectively the late mother and late wife of the donor, David Beattie. Awarded to an outstanding student entering the final year of the Honours program in Philosophy.

Dr. Ross Matthews Scholarship

Established in honour of the late Dr. Ross Matthews. Awarded to an entering student for demonstrated academic excellence.

Ralph McEwen Scholarships

Established in honour of the late Ralph McEwen. Awarded to students who are undertaking courses in Canadian literature or Canadian social history.

Jean McKerracher Scholarship in Biology

Awarded to one or two outstanding student(s) entering the fourth year of the Honours program in Biology or Biochemistry & Molecular Biology, with the aim of encouraging promise and interest in a career in health services.

The Bank of Montreal Scholarship

Established by the Bank of Montreal. Awarded annually to an undergraduate student who combines high academic standing and community involvement.

Robin Morris Scholarship

Established by her family and friends, in memory of Robin Morris '91. Awarded annually to a student in the Business Administration program whose spirit, enthusiasm and commitment to Human Resource Management is considered to be outstanding.

Justice Samuel H. Murphy Scholarship

This scholarship was established by friends, colleagues and family members to honour and remember Mr. Justice Samuel H. Murphy. The scholarship is awarded to a third year student in Canadian politics and political theory.

William Allan Newell Scholarship

The gift of the late Judson Newell of Prescott, in honour of his father, the chairman and founder of the Newell Manufacturing Co., Ltd. Awarded to an entering student proceeding to the degree of Bachelor of Science.

Mary L. Northway Scholarship

Established in honour of Mary Northway. Awarded to one or two students with the highest academic average entering into the fourth year of the Honours program in Canadian Studies.

Robert J.D. Page Scholarship in Environmental & Resource Science/Studies

Established by Dr. Robert J. D. Page who was associated with the ERS program from its beginnings. Two scholarships with a value of \$1,000 each, awarded annually to students entering fourth year who best combine academic achievement and public environmental service. The recipients are selected by the Environmental and Resource Studies Program.

Quaker Oats Company of Canada Limited Scholarships in the Humanities

Established by the Quaker Oats Company of Canada Limited. Two scholarships awarded to deserving students entering the fourth year of an Honours degree in humanities.

J. J. Robinette Scholarships

Established by friends and colleagues to honour the 60th anniversary of Dr. J. J. Robinette's call to the Bar. He was a member of the Trent's first Board of Governors, and Chancellor of the University from 1984 to 1987.

Peterborough Examiner Scholarship

The gift of the Peterborough Examiner Co. Ltd. Awarded to an outstanding student entering first or a higher year and living in residence.

Helen and Barney Sandwell Scholarship

The gift of the distinguished Canadian publisher, B. D. Sandwell, a long-time member of the Trent Board and its chair from 1971 to 1975, and of his wife Helen. Awarded to an outstanding student majoring in English literature entering the third year of a degree program in English.

Frank and Reata Scott Scholarship

The gift of the late Helen Whiteside in memory of her parents. Awarded to a student entering the third year of a Bachelor of Arts program and renewable in the fourth year provided that the student maintains a scholarship standing of 80%.

Katherine E. Scott Scholarship

The gift of the late Dr. C. M. Scott of Peterborough, in honour of his late wife.

William Bligh Shaw Scholarship

The gift of Muriel Beatrice Shaw. Awarded to an outstanding student entering the first year of the Business Administration program.

Shoppers Drug Mart Scholarships

The gift of Imasco Ltd. Awarded to students of high academic achievement entering first or a higher year in the University.

H. Clare Sootheran Scholarship

The gift of the late H. Clare Sootheran of Peterborough. Awarded for excellence in the Humanities.

Ian Stonehewer Memorial Scholarship

The gift of Mr. and Mrs. John Stonehewer in honour of Ian Stonehewer, B.A. Honours 1975.

Awarded for excellence to a student entering the fourth year of the Honours program in History.

Carolyn Sarah Thomson Scholarship

Established by the late Carolyn Sarah Thomson, a Trent alumna who was intensely loyal to Trent and to the people – faculty, staff and students – who make the University unique. Awarded for excellence to a student entering the third year of the Canadian Studies program.

Trent University S & A Scholarship

Two scholarships, of the value of \$500 each, the gift of the employees of Trent University. Awarded to students entering the University from schools of the Public or Separate Boards of Peterborough or Victoria County on the basis of academic standing and all-round achievement and character.

Trent University Foundation Scholarship

Established by the current and past volunteer Directors of Trent University Foundation and the support staff of the Foundation. Awarded to a returning student in the fourth year of an honours program. Preference will be given to students in the Humanities and Social Services.

City of Trenton Scholarship

Established by the Corporation of the City of Trenton. Awarded to an entering student from the city of Trenton.

EXTERNALLY AWARDED SCHOLARSHIPS

A number of scholarships (and bursaries) are awarded by organizations outside the University. Some corporations have special programs for dependents of their employees. Students should consult their parents, high school guidance counsellors and applicable websites to search for external awards.

John Brooks Community Foundation Scholarship

An entrance scholarship of \$1,500. Awarded each year by the John Brooks Community Foundation and Trent University to an entering student from a visible minority who combines high academic standing with involvement in school and/or community service. Applications are available at www.johnbrooksfoundation.org

Queen Elizabeth II (Aiming for the Top) Scholarship

This renewable scholarship ranges from \$100 to \$3500 per year. It is an initiative of the Ontario government to recognize and reward outstanding academic achievement by students with a financial need. It is applicable to first year students who have graduated from high school in 2011. The scholarship application is part of the OSAP application. Please visit the OSAP website at www.osap.gov.on.ca for further application information and exact deadline dates.

INTERNATIONAL SCHOLARSHIPS

The following scholarships are available for international visa students. They require a letter of application to the Trent International Program accompanied by an application for admission to Trent University, certified transcripts, certified evidence of proficiency in English (see *English Proficiency Requirements* under *Regulations*) and three letters of reference (including two from current or former teachers). For scholarships designated for United World Colleges or advertised through Canadian Education Centres abroad, application should be made directly to the appropriate United World College or Canadian Education Centre. Holders of renewable scholarships must remain in good academic standing for their scholarships to be renewed.

Justin Chiu International Scholarship

Established by Justin Chiu who benefited from the Trent experience as an international student. Awarded every four years to an entering student from a developing world country demonstrating outstanding academic achievement, community service, leadership potential and financial need. The scholarship is renewable for up to four years, provided the scholar maintains a cumulative "B" standing and a course load of 5.0 Trent University credits in each academic year.

Global Citizen Full Scholarships

Based on high academic achievement, community and/or international service and an assessment of financial need, these renewable scholarships cover at least international tuition fees and ancillary fees and, depending on need, they may include residence, health insurance, a book allowance and some living expenses for the eight-month academic year. Preference is given to students from developing countries and Eastern Europe who could not otherwise afford to study in Canada.

Global Citizen International Tuition Scholarships

Based on high academic achievement, community and/or international service and open to all non-Canadian students or residents (or, in some cases, designated nationals), these renewable scholarships cover international tuition fees.

International Development Studies Foreign Student Scholarship

Established by an anonymous donor in recognition of three generations of Helleinners who have been outstanding teachers and scholars in the field of international development studies. Awarded to Trent students from a lower income country enrolled in the International Development Studies program who have demonstrated academic excellence during their studies in the first, second and third year of the program.

Jack Matthews International Scholarship

Named in honour of Jack Matthews, the founding Director of both Pearson College of the Pacific and the Trent International Program. Awarded each year to an international student entering Trent University from Pearson College of the Pacific. Based on high academic achievement and an assessment of financial need, selection for this renewable scholarship places special emphasis on outstanding community and/or international service. It covers international tuition fees, ancillary fees, residence and, depending on need, health insurance, a book allowance and some living expenses for the eight-month academic year.

Tom Nind International Scholarship

Named in honour of the late Tom Nind, Trent University's second President. Awarded each year to the international scholar with the highest academic standing at the end of his/her first year at Trent. It carries an additional one-time award of \$500.

TIP Tuition Levy Scholarship

This renewable scholarship is funded by the students of Trent University through an annual levy. Based on high academic achievement and a strong record of community and/or international service, a TIP Tuition Levy Scholarship. Awarded each year to a student from a developing country. It covers international tuition fees and ancillary fees.

Medals

Medals awarded to students with high academic standing upon graduation are listed on [p. 18](#) of the calendar.

Prizes

Ambassador of Switzerland Prizes in French and German

The gift of the Ambassador of Switzerland. Awarded to the undergraduates who have obtained the highest standings in the French and German languages in their graduating year.

Anthropology Faculty Prize

Awarded to a student with the highest overall standing in the introductory course in Anthropology from the previous year.

Anthropology Society Prize

Awarded to the most outstanding ANTH 1000Y student on the basis of tutorial work and overall marks.

Sir Donald Banks Prize

The gift of Professor D. L. Smith, in memory of her father. Awarded annually to a returning student who shows outstanding achievement upon completion of the Year Abroad program.

Bruce Barrett Memorial Prizes

Established in memory of Bruce Barrett, a former Trent Philosophy student. Several prizes awarded to outstanding students in first-year courses in Philosophy.

Bigwin Memorial Award

Awarded on behalf of Elizabeth Bigwin to an Aboriginal student in INDG 2600Y who not only demonstrates academic excellence, but also contributes to the well-being of the community at Trent or the community at large.

Department of Biology Prizes

Awarded to students who show excellence in the study of Biology in first or higher years.

Biology Undergraduate Thesis Award

Awarded in recognition of the highest achievement in the Biology research thesis.

Botany Prize

Awarded annually to a second- or third-year student who shows excellence and promise in plant biology.

Breukelaar Prize in Laboratory Physics

Established in recognition of the many years of service of Senior Physics Demonstrator John Breukelaar. Awarded to the student displaying the highest academic standard in senior laboratory courses in physics.

Gordon Campbell Memorial Award

In memory of Gordon Campbell, a former Trent Geography student, one award is given to a third- or fourth-year undergraduate student in a single- or joint-major program in Geography with a demonstrated and continuing interest in the Canadian North.

Canadian Association of Geographers' Undergraduate Award

Established by the Canadian Association of Geographers. Awarded each year to the Honours Geography student at Trent who is judged to have the best academic record in fourth year.

Robert Chambers Prize

Established in 1996 to honour Professor Robert Chambers on his retirement. Awarded to the best student graduating from the Honours program in English Literature.

Donald Chase Memorial Prize

Established in memory of Donald Chase, a Trent student in 1989. Awarded for the best essay in Canadian history written by a first-year undergraduate at Trent.

William B. Common, Q.C., LL.D. Memorial Prize

Awarded to the student achieving the highest academic standing in first-year (Canadian) Macroeconomics.

Computing & Information Systems Prize

Awarded to the outstanding student(s) graduating from a joint-major program in Computing & Information Systems.

Consul General's Prizes in French

The gift of the Consul General of France. Awarded to the leading undergraduates in French Studies within the University.

CRC Press Freshman Chemistry Achievement Award

A gift of a copy of the CRC Handbook of Chemistry and Physics from the CRC Press Inc. Awarded to a student at the end of first year on the basis of outstanding academic achievement in Chemistry.

James Creery Memorial Essay Prize

Established in memory of James Harold Creery, a Trent student of Philosophy in 1972-1974. Awarded for the best philosophical essay written by an undergraduate at Trent.

Cultural Studies Faculty Prize

Established in 1988 through contributions from the Cultural Studies faculty. Awarded to a Cultural Studies major or joint-major for the best essay of a critical or theoretical nature related to the subject areas of the Cultural Studies program submitted to a juried competition held by the program. Value \$300.

Currie Honours Prizes

Available to students enrolled in GEOG 4010Y or 4020D. Selection is based on both academic achievement and proposed thesis research. A total prize of \$1,000 is divided among up to three selected winners.

Jim Dolan/Ron Reid Alumni Rugby Prize

This prize is to be awarded to a Trent Rugby men's or women's first or second-team player.

J. Emmett Duff Memorial Prize in Geography

The gift of Professor T. H. B. Symons, Celanese Canada Inc. and John D. Stevenson QC, in memory of the late J. Emmett Duff, who, without formal training in the subject, was possessed of an intense love of traditional geography. A prize of \$100 is awarded to the Geographer in his or her third or

fourth year who maintains a standing of at least 70% average in all Geography courses and who best epitomizes the spirit of cartophilia.

Department of Economics Prize

A gift of the Economics department. Awarded to the student achieving the highest academic standing in first-year Microeconomics.

Elders Text Prize

This prize was established by the Aboriginal Education Council from the royalties of the text *In the Words of Elders* by Professors Kulchyski, McCaskill and Newhouse. The prize(s) are awarded to students of Aboriginal ancestry in a program of study at Trent on the basis of achievement, community contribution and financial need.

Embassy of Spain Prize in Hispanic Studies

Awarded to an outstanding student in upper years majoring in Spanish.

Environmental & Resource Studies Program Prize

A gift of the ERS program. Awarded to a first-year student achieving the highest academic standard in the first-year ERS course.

Timothy Findley Creative Writing Prize

Established in honour of Timothy Findley. Awarded on the basis of adjudicated submissions of fiction, poetry, drama or creative non-fiction for creative writing of special merit.

Donald Fleming Memorial History Prize

Established by family and friends in memory of the late Donald Fleming. Awarded each year to a third or fourth-year student submitting an outstanding essay in Modern European History.

Forensic Science Student of Excellence Prize

Awarded to a student in his or her final year of the Forensic Science Program who has displayed excellence, in and out of the classroom, during their years in the program.

Marjorie Elizabeth Foster Prize

Given in memory of Marjorie Elizabeth Foster. Awarded to the student who writes the best essay or research project in historical geography in a particular year in any Geography course.

French Studies Staff Prizes

Awarded by members of the French Studies section to outstanding students of first-year French Studies.

French Studies Staff Prize (Nantes program)

Awarded by members of the French Studies section to the outstanding participant in the Nantes Year Abroad program in French Studies.

Gregory R. Frith Memorial Prize in Cultural Studies

Established in honour of the late Gregory R. Frith, B.A. Honours 1977. Awarded to a Cultural Studies major or joint-major for the best submission in any of the arts associated with the Cultural Studies program to a juried competition held by the program. Value \$300.

Honourable Leslie Frost Prize

The gift of the late Hon. Leslie M. Frost, PC, Premier of Ontario from 1949 to 1962 and first Chancellor of Trent University. Awarded to the leading undergraduate in the first-year course in Canadian history.

Gadfly Prizes

Awarded to an outstanding undergraduate in Philosophy in each of the second and third years. The prizes commemorate Socrates' description of himself as one who rouses and reproves the society in which he lives just as a gadfly awakens a sluggish horse.

Louise Garrow Prize

Established to honour the contribution of Louise Garrow to the Indigenous Studies program.

Awarded to a student in the program demonstrating high academic achievement and contribution to student life.

Department of Geography Prizes

Awarded in the first and second year to students who show excellence in the study of geography. The second-year prize, known as the Geography alumni prize, is donated by the Trent University Geographical Society using funds contributed by Geography alumni.

Founders' Prize in Geography

This prize was established in recognition of the founders of the Trent University Geography department, Professors Peter Adams and Fred Helleiner. It is awarded to the best "all around" Geography major or joint-major. Nominations will be judged on the basis of academic ability, individual or group initiative, and enthusiasm or creativity or innovation related to the pursuit of their education in Geography. Active participation in TUGS will be considered an asset to the candidate's eligibility.

Guinand Prize

Established, in honour of the first chair of the Mathematics department. Awarded to a student of high promise in the Mathematics program, normally on entering the fourth year of the Honours program.

Graham Hartley Prize

Established by the Chemical Institute of Canada (Peterborough Section) in honour of Graham Harry Hartley, Ph.D., M.C.I.C. Awarded to first and second year students who have shown excellence in the field of general chemistry.

Honourable George S. Henry Prize

Established in memory of Hon. George S. Henry, Prime Minister of Ontario from 1930 to 1934, and Member of the Legislative Assembly of Ontario for East York from 1913 to 1943. Awarded to the leading undergraduate in the first-year course in Political Studies.

John Hillman Prize

Established to honour the former chair of the program for his years of leadership. Awarded to the student with the highest standing in fourth year International Development Studies.

Linda Hubbell Book Prize

Named for Anthropology and Women's Studies professor Linda Hubbell and originally endowed by the Peterborough Women's Committee. Awarded based on academic achievement as well as contributions to the vitality of the program.

Human Resources Professionals of Peterborough Prize

Awarded to the graduating student with the highest average in Human Resources courses from the Business Administration Degree program (single- or joint-major) with a specialization in Human Resources Management

Arnold Hyson Prize in Maritime Studies

Awarded to the student with the most outstanding research paper on Atlantic Canada.

Indigenous Studies Award

Established in memory of Harvey G. Greene of Peterborough. Awarded to outstanding students in Indigenous Studies.

Innovation in Teaching Prize

The Innovation in Teaching Prize will be awarded annually to a candidate in each of the following: Primary/Junior divisions; Intermediate/Senior divisions; Part-time program (Final year). Based on innovation in teaching and learning demonstrated in classroom placement.

David Sutherland Irwin Prize

Established in memory of the late Professor David Irwin. Awarded on completion of CHEM – BIOL 3300H and 3310H to a student with outstanding performance in biochemistry.

P. K. Page Irwin Prize

Established by the family, friends and admirers of P. K. Page Irwin to honour her extraordinary achievement in the arts. Awarded to a student who has shown special merit in creative writing and at least one of the other arts.

Ronald G. Johnson Prize in Quantum Mechanics

Established by his former students and colleagues in recognition of the more than three decades of Dr. Johnson's teaching in Physics. Awarded annually to the student with the highest academic achievement in the fourth year course in Quantum Mechanics.

Richard B. Johnston Prize – Ontario Archaeology

Donated by Patricia Johnston in memory of her father, Professor Richard B. Johnston of the department of Anthropology. Awarded to a deserving student in Ontario archaeology.

Richard B. Johnston Prize – North American Archaeology

Donated by Gwen Johnston in memory of her husband, Professor Richard B. Johnston of the department of Anthropology. Awarded to a deserving student in North American archaeology.

K. E. Kidd Memorial Awards

Awarded each year to graduating students who have demonstrated the highest degree of ability and achievement in the Diploma program of the Indigenous Studies department.

David Lasenby Prize

The David Lasenby Prize, a gift of the Alumni Association, honours an original class member and biology professor whose campus sketches have long been admired. The \$100 prize will be awarded annually to a student contributor to the annual art show at Alumni House.

F. Alan Lawson Memorial Prize

Sponsored by the Central Ontario Chartered Accountants Association. Awarded to the student majoring in the Business Administration program, who achieves the highest combined mark in

fundamentals of financial accounting and fundamentals of management accounting (ADMN 1021H, 2021H and 3021H).

Margaret Lightbody Prizes

Established in honour of Margaret Lightbody ('64), a local area retired Mathematics teacher who has had a remarkable impact on the lives of her students. A member of Trent's original graduating class, she served on the Board of Governors (1993-1996). Awarded to students in the School of Education and Professional Learning and in the Queen's Trent Concurrent Education program during third or fourth year majoring either in Mathematics (single or joint) or with Mathematics as an elected teaching subject, who demonstrated exceptional skill, enthusiasm and promise in classroom teaching and who maintained at least a B- average in mathematics courses.

Helen E. MacNaughton Prize

Awarded to an outstanding student in Philosophy entering fourth year.

J. Percy MacNaughton Prize

Awarded to the student achieving the highest academic standing in Environmental & Resource Science/Studies entering the fourth year.

Edna Manitowabi Prize

The Edna Manitowabi Prize is associated with the performance element of academic work initiated by Professor Edna Manitowabi. Aboriginal students enrolled in Indigenous Studies classes which include the performance element are eligible for the prize. The prize winners will be chosen based on grades, participation and excellence in their contribution to performance activities.

Makhija Prize in Chemistry

The gift of R & R Laboratories. Awarded to the student with the best overall performance in 3000-level courses in Chemistry.

McColl Turner Prize in Accounting

Presented by McColl Turner, Chartered Accountants, to an undergraduate student in ADMN 3200H – Financial management, who has demonstrated exceptional promise and enthusiasm for the study and dissemination of the principles and practices of accounting.

David N. McIntyre Conservation Award

Awarded by the Otonabee Region Conservation Authority to the outstanding Geography student who has demonstrated an interest in conservation.

Jane McLarty Memorial Prize

Established in memory of Jane McLarty, a member of Lady Eaton College from 1987-1990. Awarded to a deserving student entering the third or fourth year of studies in English Literature.

Heather J. Glendinning McMurter Memorial Award

Established in memory of Heather J. Glendinning McMurter who graduated with a B.Sc. from the Environmental Studies program in 1988. Awarded to a student entering the fourth year (having completed 15 courses) of the Environmental & Resource Science/Studies program whose research paper in at the 3000- or 4000-level is judged to be the best of the year.

James Middleton Essay Prizes in Humanities

Established by the donor in 2004 to encourage students in the study of the Humanities as the foundation for liberal arts and professional studies. Two prizes are awarded annually for outstanding essays by students in second or third year who are pursuing Honours degrees in Ancient History & Classics, History, Philosophy or English Literature. The prizes rotate between Ancient History & Classics and Philosophy in one year, and History and English Literature in the next.

Midwives' Prize

The gift of three members of the Universities Liaison Committee who assisted at the birth of Trent University. The late Professor J.M. Blackburn, then of Queen's University; the late Dean Frank Stiling, then of the University of Western Ontario; and the late Dr. M. St. A. Woodside, former vice-president of the University of Toronto, were named by their universities to act as a liaison committee between these three universities and the Founding Board of Trent University. Awarded to the student with the highest overall standing in the first year.

Joyce Miller Prize

Awarded annually in recognition of a student majoring in Indigenous Studies who, while maintaining an excellent academic profile, contributes in a significant way to the non-curricular social, cultural, spiritual and/or political life of the department.

Norma Miller Essay Prize

Administered jointly by Catharine Parr Traill College and the department of Ancient History & Classics, these prizes honour the memory of Norma P. Miller, an honorary fellow of Traill and frequent visitor to the Classics department. Awarded to the best essay in each of three competitions: one in AHCL 2300; one at the 2000- or 3000-level in Roman History (including essays on Roman topics from AHCL 2100); and one at the 4000-level.

Joyce Moonias Memorial Awards

Donated by Frances Six in memory of Joyce Moonias, Native Studies student 1982-83, are offered to the student with the highest academic standing in INDG 2800Y – Introduction to Nishnaabemowin and INDG 3800Y – Intermediate oral Nishnaabemowin.

Garnet Morris/Sun Life Prize

Awarded in recognition of a student who best demonstrates academic excellence and is completing the second-year Indigenous Studies major with a Specialization in Indigenous Management & Economic Development.

W. L. Morton Essay Prize in History

Awarded to a third-year student writing the best essay.

Seth Newhouse Prize

This award, established by his great grandchildren to honour the memory of Seth Newhouse, Six Nations activist and historian, is presented to the student with the highest academic standing in INDG 2255Y – History of the Indians of Canada.

Nichols/Civic Nurses Alumnae Prize

Awarded to a third-year nursing student showing excellence in patient care.

Oak Ridges Trail Association (ORTA) Trail Studies Prize

A prize of \$500. Awarded to a deserving student in fourth year of Honours Geography program who is conducting research that pertains to the Trent-Fleming Trail Studies Unit.

Organic Chemistry Prize

Awarded to a student who has demonstrated substantial improvement in the field of organic chemistry, normally on completion of CHEM 3100Y – Advanced organic chemistry.

David Page Prize in Latin

This prize was established in 2007 to mark the retirement, after 39 years of excellent service to Trent, of Professor David F.R. Page. It is awarded to the first-year student with the highest grade in Latin 1001H – Elementary Latin 2, the course which meant the most to Professor Page.

Pammett Historical Prize

Established by the late Howard Pammett (1909-1993), in honour of his parents, Robert and Ruby Pammett. Awarded, when merited, for the best student research essay on the history of the Kawartha District (defined as including the Counties of Peterborough, Victoria, Haliburton, Northumberland, Clarington and the Algonquin Region). The recipient will be chosen by the chair of the History department.

Peace Hills Trust Prize

A prize of \$500. Awarded to the top Aboriginal student, in terms of academic achievement, completing the second year of the Indigenous Studies program with a Specialization in Indigenous Management & Economic Development.

Peterborough Historical Atlas Foundation Prize

Awarded to the undergraduate whose essay or project on a Canadian subject is deemed outstanding. An interdisciplinary panel will select the winner from the entries submitted by faculty in appropriate disciplines.

Peterborough Professional Engineers Wives' Association Prize

A gift of the Peterborough Professional Engineers Wives' Association. Awarded to an undergraduate who shows excellence in 2000-level courses in Physics or Chemistry.

John Pettigrew Prizes

Established in memory of the late Professor John Pettigrew. Awarded for the best student essays submitted by students in a first-year English course taking the course among their first five credits.

Department of Physics & Astronomy Prize

A gift of the department of Physics & Astronomy. Awarded to the student with the highest combined average in the Introductory Physics courses. Must be taken in the same year.

Powles Prize

Given in honour of Percival M. Powles, long time member of the Biology department. Awarded to a student entering the fourth year of the Biology program who has demonstrated excellence in the area of fisheries and aquatic sciences.

Andrew Priestman Memorial Prize in Politics

A book prize established in honour of the late Andrew Priestman, Honours B.A. 1991. Awarded to a graduating student in Political Studies who has maintained a solid academic achievement and made an above-average contribution to student life and the activities of the Political Studies department. Students and faculty are encouraged to make nominations.

R & R Laboratories Prize in Analytical Chemistry

The gift of R & R Laboratories. Awarded to a student with outstanding performance in analytical chemistry on completion of a 3000-level course in chemical analysis.

Department of Psychology Prizes

A gift of the Psychology department. Awarded to outstanding students in Psychology.

Victor T. Ridley Memorial Prize

The gift of Mrs. F. Millard in memory of the late Victor T. Ridley of Peterborough. Awarded to the leading undergraduate in first-year Mathematics.

J. J. Robinette Prize

Awarded in honour of the late Dr. John J. Robinette, an eminent constitutional and criminal lawyer, and Trent University's fifth Chancellor. Awarded to the scholastically outstanding graduate of Trent University in any year who undertakes the study of law at another Canadian university.

Otto Roesch Memorial Prize

Established in memory of the Late Professor Otto Roesch (Anthropology). Awarded to the outstanding student in Anthropology 3990Y – Theories of Society and Culture. This prize recognizes the contributions of Professor Roesch and his research interests in cultural anthropology.

Barbara Rooke Prize

Established in memory of the late Professor Barbara Rooke. Awarded to the best student in a 2000- or 3000-level course in the Romantics.

J. Paul Scott Jr. Memorial Prize

Established in memory of J. Paul Scott Jr. Awarded to a deserving student enrolled in PSYC 4010Y or 4020D (Honours thesis).

Canadian Society for Chemistry Silver Medals

The top student entering the final year of a chemistry related program is awarded a silver-plated medal and certificate in recognition of outstanding academic achievement.

Carlyle Smith Prize in Psychology

Awarded to a third- or fourth-year student who has shown outstanding performance on a project or paper concerning sleep, sleep disorders or dreams.

Denis Smith Essay Prize

The gift of the Political Studies department. Awarded each year to a fourth-year student submitting an outstanding essay in Political Studies.

Honourable Sidney Smith Prize

Named in honour of Hon. Sidney Smith, Member of the Legislative Assembly of the United Province of Canada from 1854 to 1861, Postmaster General of the United Province of Canada from 1858 to 1862, and elected Member of the Legislative Council from 1861 to 1863. It is the gift of Hon. S. Bruce Smith, Chief Justice of Alberta, and of Muriel Turner and H.G.H. Smith, QC, of Winnipeg. Awarded to the leading undergraduate majoring in Political Studies and History in the second year.

Society of Chemical Industry Student Merit Award

Awarded to the student having the highest standing in the final year of his or her course. The student must have a minimum average of 75% and have completed a Chemistry related degree in the normal number of years.

Society of Management Accountants Prize

Awarded to the student proceeding to fourth year in the Business Administration program who has achieved the highest overall standing in all accounting subjects.

Sophia Prize

Established in 1999 to honour Professor Robert Carter on his retirement. Awarded to an outstanding third- or fourth-year student who best exemplifies philosophy as the love of wisdom.

Soroptimist International of Peterborough Prize

Presented by the Soroptimist International of Peterborough, a service club for business and professional women. Awarded to an outstanding female student entering her final year of the Honours program in Gender & Women's Studies.

Gillian Stamp – Friends of Field Hockey Prize

Awarded to the player, selected by her team mates who, continually demonstrates dedication, commitment and loyalty to her team both on and off the playing field. Through leadership, fair play and enthusiasm, she is an inspiration to her team mates in their pursuit of academic excellence, field hockey or another sport.

Robert W. F. Stephenson Prize

Established by the Alumni Association to honour the first alumnus to chair the Board of Governors. The \$250 prize recognizes a student who has demonstrated excellence in contribution to student governance.

Symons Essay Prizes in Canadian Studies

Established through a gift from T. H. B. Symons, the founding president of Trent University, to recognize excellence in performance in courses of the Canadian Studies program. Four prizes are awarded for outstanding essays in first-, second-, third- and fourth-year courses.

John Syrett Prize in History

Named in honour of one of the History department's most distinguished teachers and historians. Awarded to the second-year student writing the best essay.

Berna Theobalds Prize

Established in memory of an exceptional resident of Peterborough. Awarded to the student with the highest standing in IDST 2000Y.

Norman Townsend Prize in Anthropology

Established in memory of the late Professor Norman Townsend. Presented by the Anthropology department on the basis of high academic standing to a student pursuing studies in cultural anthropology.

Trent Science Fair Prize

A prize of \$1000, to be applied to first-year tuition fees at Trent University, is offered to a senior secondary school student whose project is judged outstanding at the annual Peterborough Regional Science Fair. Recipients are eligible to receive this prize one time.

Harold F. VanDusen Prize

Awarded to the student completing the third year of the Economics Honours program who has demonstrated exceptional promise and enthusiasm for the study and dissemination of the principles and practices of economics.

Verduyn Book Prize

Awarded to the student who achieves the highest standing in the course "Canadian Women's Writing."

Gail Waddington Prize

Established by friends and family of Gail Waddington, alumna and a Trent English major. To be awarded to a student majoring in English Literature who has demonstrated excellence in the study of poetry.

Andrew Wernick Essay Prize

Awarded to a Cultural Studies major or joint-major for the best essay of a critical or theoretical nature related to the subject areas of the Cultural Studies program submitted to a juried competition held by the Cultural Studies department.

Rodney F. White Memorial Prize

Two prizes of \$100 each. Awarded by the Sociology department to majors who demonstrate excellence in the study of sociology.

Alan Wilson Prize in History

Named in honour of the founder of the Trent History Department and the Canadian Studies Program, is awarded to the honours student achieving the highest record in fourth year

COLLEGE PRIZES**CATHARINE PARR TRAILL COLLEGE****Catharine Parr Traill College Scholar**

The title of College Scholar is conferred upon the student in his or her graduating year who has achieved academic excellence and who has also made an all-round contribution to the College.

Catharine Parr Traill College Principal's Prize

Awarded to the Catharine Parr Traill College student with the best academic performance.

CHAMPLAIN COLLEGE**Shawn T. Callaghan Memorial Prize**

Created in 2009 by the Champlain College Cabinet in memory of Shawn Callaghan, a Champlain College student. Awarded annually to one or two Champlain College students planning to travel abroad for research, service-learning or study opportunities.

Champlain College Master's Prize

Awarded to the graduating student of the College with the highest overall standing in fourth year, Honours.

Champlain College Fellows' Prize

Awarded to the graduating student of the College with the highest overall average in the third year, General.

Champlain College Senior Tutor's Prize

Awarded to the Champlain College student who has achieved the highest average at mid-year.

Christopher Greene Award

Established in honour of Christopher Greene, former Senior Tutor of Champlain College. Awarded to a graduating student within the College who has demonstrated considerable academic improvement while studying at Trent University.

John Rymes Book Award

A book prize awarded by the Senior Tutor of Champlain College to a student of the College who has benefitted most from a Trent University education.

JULIAN BLACKBURN COLLEGE**Jon and Shelagh Grant Prize for Inuit Students**

Established to encourage the continuation of the education of a second- or third-year Inuit student. Awarded through the Senior Tutor at Julian Blackburn College.

Trent Alumni Summer Session Prizes

Two prizes, the gift of the Trent University Alumni Association. Awarded for outstanding academic achievement by Julian Blackburn College students in the on-campus and the Oshawa Summer session (including intersession).

LADY EATON COLLEGE**Arndt Kruger Prize**

Established to honour Arndt Kruger, Principal of LEC from 2000 to 2010. To be awarded to an LEC international student in good standing who has contributed to the college.

Lady Eaton College Fellows' Prize

Awarded by the Fellows of Lady Eaton College to a graduating student of the College for academic excellence over his or her university career.

McCalla-Standen Prize

Established in honour of two former principals of Lady Eaton College. Awarded to a first-year student of the College who has most distinguished him/herself through contribution to the College, the University or the wider community while maintaining a good academic average.

Marjory Seeley Prizes

Up to three prizes awarded in honour of the first Principal of Lady Eaton College to students of the College who have distinguished themselves in sports, academics, student government or College committees, or who have contributed to the College in such a way as to enrich its life.

Dale Standen Prize

In honour of Professor Dale Standen, a long-serving member of the History department. Awarded to the Lady Eaton College history student who has achieved the highest cumulative average at the end of the third year.

OTONABEE COLLEGE**Bob Annett Prize**

Awarded to the full-time student of Otonabee College whose academic performance is the most improved over the year. During his 30 years at Trent, Professor Annett was committed to encouraging students to reach their potential and to benefit to the fullest from their experience at Trent.

Douglas Bruce Prize

Created in memory of Douglas Bruce who began his studies at Trent at the age of 78 and took every upper-year Greek or Latin course offered within Ancient History & Classics until he passed away in 2004, at the age of 87. The Prize is awarded annually to an upper-year student at Otonabee College for excellence in the study of the ancient world.

Eileen Gallagher Otonabee College Spirit Award

This prize, the gift of alumni, friends and family (and companion to the Scott Rennie Award) is awarded to a deserving female Otonabee College student.

Elwood Jones Prize in History

Awarded to an Otonabee College student enrolled as a single or joint-major in History, who at the end of three years has the highest cumulative average in his or her History credits. It is awarded in recognition of Professor Elwood Jones' many years of service to the History department at Trent University and to Otonabee College (Master 1978-83 and Senior Tutor 1998-2003).

Otonabee College Academic Leadership Award

Awarded to a student or students who had made an outstanding contribution to the academic life of the College and demonstrated commensurate leadership skills while doing so.

Otonabee College Excellence Award

Awarded to a graduating student who consistently combined academic excellence with participation in student government and active contribution to College life.

Otonabee College Senior Common Room Prize

Awarded to the Otonabee College student with the best academic performance in the first year of full-time studies year.

Otonabee College Prize

Awarded to the Otonabee College student who has achieved the highest cumulative average in the first three years of a General or Honours program, and is on the Dean's Honours List at the end of the third year.

Scott Rennie Otonabee College Spirit Award

The gift of alumni, friends and family (and companion to the Eileen Gallagher Award). Awarded to a deserving male Otonabee College student.

John Stubbs Prize

Created as a tribute to Trent University's fourth President. Awarded by the Senior Tutor to the full-time undergraduate student member of Otonabee College with the highest average at mid-year.

PETER GZOWSKI COLLEGE**Alumni Recognition Award**

Presented to a Peter Gzowski College graduating student who had made a significant and continuous contribution to their College. Plaque from Alumni Office.

Robert Lightbody Prize

Established by the Alumni Association to honour the contributions to the University of alumnus Robert Lightbody, a member of Trent's first class. Awarded to an upper-year Peter Robinson College student or its successor college, Peter Gzowski.

Peter Gzowski College Prizes

Prizes awarded to the continuing full-time College students with the highest academic standing during each of the first, second and third years of their academic program.

Peter Gzowski College Cabinet Award

Awarded to a student(s) who has made an outstanding contribution to the spirit of the College. A plaque is presented by College Cabinet.

Peter Gzowski College Graduation Prize

Awarded to a graduating student in an Honours program with the highest academic average, based on his or her final ten Trent credits.

Peter Gzowski Residence Life Award

Awarded in recognition of a student's outstanding contribution to the Peter Gzowski College residence community. A plaque is presented by the Dons of the College.

Peter Robinson College Students' Prize

Established in 2005 by the students of Peter Robinson College. Awarded to a Peter Gzowski College undergraduate student who has made a significant contribution to the University community and has a minimum C+ average.

TRENT UNIVERSITY OSHAWA PRIZES**Trent University Alumni Prizes – Oshawa**

Several prizes are awarded to Trent University Oshawa students for outstanding academic achievement.

INTERNATIONAL PRIZES

Leonard Conolly Prize

The Leonard Conolly Prize is named in honour of former Director of the program in recognition of his active involvement in World University Service of Canada (WUSC). This award is given to a student to recognize outstanding commitment and contribution to the support of refugee students.

Exchange Award

Awarded to an exchange or year-abroad student who has contributed significantly to the promotion of study abroad and to the international life of the University.

Fred Helleiner TIP/Temagami Prize

Named in honour of a retired professor of Geography who encouraged international students to experience the Canadian wilderness. Awarded to an international student who has participated in the Temagami Canadian Studies field trip. The prize covers the cost of the registration.

Hulcoop Cup

Named in honour of Barb Hulcoop, a retired Trent staff member who opened up her home and her heart to international students. Awarded to a first-year student in recognition of outstanding contributions to the international life of the University.

Jack Matthews Prize

Named in honour of the founding Director of the Trent International Program who symbolizes international understanding in all his endeavours. Awarded to a graduating student to recognize outstanding commitment and contributions to internationalization, both locally and globally.

Karanja Njoroge Community Service Prize

Named in honour of the second Director of the Trent International Program. Awarded to a student in recognition of his/her active involvement in development education both at Trent University and in the wider community.

David Morrison Prize

Named in honour of a former Dean of Arts and Science and Director of the Trent International Program. Awarded to an upper-year student, usually in the graduating class, in recognition of substantial involvement in the Trent International Program and genuine devotion to the ideals of internationalization.

Ontario Student Assistance Program (OSAP)

The Province of Ontario and the Government of Canada provide integrated assistance programs to university students through the Ontario Student Assistance Program (OSAP).

OSAP Student Loans/Grants

To qualify for OSAP, students must be Canadian Citizens, Permanent Residents or Protected Persons, and be enrolled in at least 60% of a full course load (40% for students with permanent disabilities who are registered with the Disabilities Services Office). The purpose of the OSAP program is to assist students when the financial resources available to them from parents, spouses, summer employment or other sources are insufficient to meet educational costs.

The OSAP funding year starts in September of each year. A new application is required for each funding year. Students may apply for funding on the OSAP website at <http://osap.gov.on.ca> or by application booklet available through University and College Financial Aid Offices.

Important: Students should apply for OSAP four to six weeks before the start of their study session. New students entering university directly from high school should apply for OSAP before the middle of June, and should check the OSAP website for important information and deadline dates regarding the Queen Elizabeth II Aiming for the Top Scholarship: <http://osap.gov.on.ca>.

Ontario Special Bursary Plan (OSBP) for part-time students

Provides a limited number of bursaries to married students, sole-support parents and students with disabilities who are not receiving OSAP and are studying on a part-time basis (less than 60% course load). Applications are available at the Financial Aid Office and on the OSAP website. The application deadline is the last day of the month in which your program begins.

Child Care Bursary

Available to married students and sole-support parents with three or more children, who qualify for OSAP assistance. Applications will be available at the Financial Aid Office at the beginning of each academic session, and on the OSAP website.

Bursary For Students with Disabilities

Available to students with disabilities who require assistive devices for educational purposes. Students with demonstrated financial need may apply for bursaries throughout the academic year. Applications are available at the Disabilities Services Office.

Ontario Work Study Program (OWSP)

Funded by the Province of Ontario, provides part-time jobs on campus during the study period for full-time Ontario students (minimum 60% course load) whose financial needs are not met through the OSAP programs. Further information is available on the Financial Aid website at: www.trentu.ca/financialaid, or the Career Centre website at: www.trentu.ca/careers.

Library Work Study Program

The Library offers part time jobs to Canadian (Ontario and out-of-province students) whose needs are not being met by OSAP or other Canadian government student assistance programs. Further information is available on the Financial Aid website, www.trentu.ca/financialaid and the Career Centre website www.trentu.ca/careers.

Part-Time Canada Student Loans and Grants

Part-time students (registered in less than 60% course load) with demonstrated financial need may qualify for a study grant or a Canada part-time student loan. Visit the Financial Aid Office for further information and an application form, or visit the OSAP website.

Students from Outside Ontario

Canadian students from outside Ontario who require financial aid should consult with officials in their home province to apply for Provincial Government Student aid. Links to out of province government loan programs can be found on the Financial Aid website www.trentu.ca/financialaid. Students from foreign countries, including the U.S.A., are strongly urged to consult with educational authorities and sponsoring agencies in their home country. The Trent International Program (TIP) provides information regarding financial programs for international students.

Special Circumstances**Emergency Short-term Loan Funds**

Loan funds are available on a short-term basis to eligible students to assist with emergency situations. Among these funds is the Henry and Mary Nokes Fund established by the Cobourg and District Labour Council to honour Mr. and Mrs. Nokes. These funds are augmented by private donors. Funds have also been made available through a joint undertaking of the Trent University Alumni Association, the Trent Central Student Association (Development Projects Fund) and the college cabinets/ councils. A fund has also been established by the Major Bennett Chapter, IODE, Peterborough, Ontario.

Bursaries

Unless otherwise noted, bursaries are awarded annually and are available to all undergraduate full-time and part-time students with documented financial need and satisfactory academic achievement. Specific eligibility requirements are noted on the application form available on the Financial Aid website at: www.trentu.ca/financialaid.

ENTRANCE BURSARIES

Entrance Bursaries are awarded to Canadian students entering their first year of University who demonstrate financial need. Applications for entrance bursaries are available on the Financial Aid website in the spring of each year.

IN-COURSE BURSARIES

To assist undergraduate students with tuition and related educational costs, Trent University awards bursaries to students with financial need. Full-time students must be in receipt of OSAP or an out of province Government Student Assistance program to be eligible for bursary assistance. General Bursary applications must be submitted to the Financial Aid Office by the deadlines specified on the application form.

Students admitted to part-time studies may use the General Bursary application and indicate they are in part-time studies.

For application forms visit the Financial Aid website at: www.trentu.ca/financialaid.

Ontario Student Opportunity Trust Fund (OSOTF) and the Ontario Trust for Student Support (OTSS)

In 1996 – 97 the Province of Ontario established the Ontario Student Opportunity Trust Fund to assist students with a financial need. Fifty percent of this endowed fund is provided by the Province and 50% has been provided through fundraising by the University. Annual proceeds from investment earnings are available in the form of in-course bursaries to Ontario residents. A second phase of OSOTF was introduced in 2003. In some instances, academic excellence as well as financial need will be a determining factor. All bursaries and awards established or modified since 1996 – 97 must adhere to the OSOTF guidelines listed below.

In 2005 the Province of Ontario established the OTSS matching gift program to replace the OSOTF program. The OSOTF guidelines noted above apply also to bursaries and awards established through the generosity of donors and matching OTSS funds.

Students may apply for OSOTF and OTSS bursaries using the General Bursary form available on the Financial Aid website.

OSOTF & OTSS Eligibility Guidelines

Students must be Ontario residents to receive OSOTF and OTSS bursaries and awards. To qualify for provincial residency: Prior to the beginning of their current full-time post-secondary study session, students or their parents or their spouses must have lived in Ontario for at least 12 consecutive months without being full-time post-secondary students.

Students must demonstrate financial need and be in receipt of OSAP to qualify for OSOTF and OTSS bursaries and awards.

Aditya Jha Indigenous Studies Bursaries

Established by entrepreneur Aditya Jha, founder of Osellus Corporation and the POA Educational Foundation, in support of undergraduate or graduate students with demonstrated financial need in Indigenous Studies or their chosen field. Preference will be given to applicants of Aboriginal heritage. Essay or references may be requested. OTSS guidelines apply.

Eileen Allemang Bursary

Established in 1986 to honour Eileen on her retirement from Trent University. Awarded to a student who makes a contribution to university life. OTSS guidelines apply.

Alumni OSOTF Bursary

Established by the Trent University Alumni Association. Awarded to returning students who have made a significant contribution to University life. OSOTF guidelines apply.

Amyotte Bursary

Established by Mary L. Amyotte (Chemistry department, Trent University 1964-1990). Awarded to the most deserving second-year student majoring in Chemistry. The recipient of this award will be selected by a Professor and an Assistant Professor of Chemistry from the Chemistry department. OSOTF guidelines apply.

Bachelor of Education Bursary

Awarded to students enrolled full-time or part-time in the School of Education and Professional Learning.

Peter G. Bailey Bursary in Teacher Education

Established in memory of Peter by his family. Awarded to a third- or fourth-year student in the Queen's-Trent Concurrent Teacher Education Program. OSOTF guidelines apply.

Barkleys of Avonmore Bursary

Established by Fred Barkley of Avonmore. Awarded to a student in any undergraduate year, who is a resident of a province other than Ontario.

Barkleys of Avonmore Visa Bursary

Established by Fred Barkley of Avonmore. Awarded to a Visa student.

Gladys Barlow Bursary

Awarded to a student or students with disabilities, with preference given to students with diagnosed learning disabilities, on the advice of Disabilities Services. OSOTF guidelines apply.

Aileen Batten Bursary

Established by Aileen Batten, alumna of Julian Blackburn College. To be awarded to a full-time or part-time student in the International Development Studies or Indigenous Studies Programs. OTSS guidelines apply.

Patricia Baxter Anishnabe Kwe Bursary

Established in honour of Patricia Baxter. Awarded to Aboriginal women in their upper-year studying science, computer studies/new technologies or business administration. OSOTF guidelines apply.

Beta Sigma Phi Bursary

The gift of the Peterborough Beta Sigma Phi Chapters. Restricted to a member, the spouse of a member, or to the son, daughter, grandchild, stepchild, niece or nephew of an active member of BSP in Ontario. OSOTF guidelines apply.

Birks Family Foundation Bursary

Awarded to a full-time student in any undergraduate year.

Philip and Annie C. Black Bursary

Established by the late Isadore and the late Morris Black of Peterborough in memory of their father, Philip Black, the first Rabbi in Peterborough, and their mother, Annie. Available to a deserving student in any program.

Isadore Black Memorial Bursary

Established by his family and friends in memory of Isadore Black, founding member of the Trent University Board of Governors and a well-respected Peterborough businessman and community leader. Awarded to undergraduate students. OSOTF guidelines apply.

B'nai Brith (Reginald R. Faryon) Bursary

Established by the Peterborough Branch of B'nai Brith in memory of Reginald R. Faryon. Awarded to any undergraduate student.

Bourinot Bursary

Awarded to a full-time student from Peterborough County. Preference will be given to an employee of the Canadian Tire Store in Peterborough or a member of his or her immediate family.

Merrill Bridgen Bursary

Established by the Anigawncigig Institute, in memory of Merrill Bridgen and in recognition of his year of dedicated service in Native education. To be awarded to the student demonstrating financial need with the greatest achievement in the Indigenous Management & Economic Development Program.

Jacob F. Burnham Memorial Bursary

A gift of the late Daisy McCarrell, a former employee of Trent University. Preference will be given to students majoring in Economics, Business Administration and related fields.

Dr. Margaret Campbell Bursary

Established by Alex ('68) and Carol ('68) Campbell, in memory of Alex's mother, Dr. Margaret Campbell. Awarded to a student of Philosophy or English. OSOTF guidelines apply.

Ron Campbell Bursary

Established by Ron Campbell Enterprises, which operates McDonald's Restaurants in Peterborough and Lindsay. Awarded to students enrolled in the Environmental & Resource Science/Studies program. Recipients must be from Victoria or Peterborough County.

Mollie Cartmell Bursary

Established to honour Mollie Cartmell, recipient of a 2007 Trent Community Leaders Award. Mollie dedicates this bursary and her achievements to A.R.C. (Sandy) Scott, her high school music teacher. Awarded to a returning full-time or part-time undergraduate student in any program. OTSS guidelines apply.

Champlain College Cabinet Bursary

Awarded to a Champlain College student with a minimum C- (60%) average. The recipient will be chosen by a committee of the Master and the College Cabinet President.

Ian Chapman Bursary

Established in honour of Ian Chapman, Master of Peter Robinson College for 10 years and Director of the Administration and Policy Studies Program (1980-89). Awarded to a full- or part-time student entering fourth year as either a single- or joint-major in Business Administration. OTSS guidelines apply.

Harry Cherney Memorial Bursary

Established in memory of the late Harry Cherney by his wife, Erica, family and friends. Awarded to students in Business Administration, Economics or Computing & Information Systems.

Rita Chiu Study Abroad Bursaries

Established by Justin Chiu who benefited from the Trent experience as an international student, in honour of his wife, Rita, who took a one-year sabbatical leave from her job in Hong Kong to spend a memorable time with Justin in the tranquil, quiet and harmonious environment in Peterborough in 1977. Rita also took some courses at Trent during the period. Awarded to undergraduate students going on a Trent University study abroad program. The bursaries are awarded through an application process. OTSS guidelines apply.

Christian Church Bursary

Established by the Christian Church (Disciples of Christ) in Canada. Awarded to upper-year Aboriginal students from Ontario interested in continuing their education at Trent University. OSOTF guidelines apply.

City of Peterborough Employees' Bursary

Established by the employees of the City of Peterborough. Awarded to a child or spouse of a City of Peterborough employee.

Class of 1967 Bursary

Preference is given to full-time undergraduate children or grandchildren of a member of the class of 1967. OSOTF guidelines apply.

Dan Coholan Rowing Bursary

Established by alumnus Dan Coholan '77. Awarded to a returning full-time student who participates in the varsity rowing program. OSOTF guidelines apply.

Commoner Bursary

Established in 1990 by The Commoner Limited and supported by friends of the Commoner at the Reunion and Farewell in 2006. To be awarded to students who have demonstrated an interest in the public life of the university, through demonstrated extra-curricular activity. OTSS guidelines apply.

Community Service Bursary

Established by the Quaker Oats Employees' Independent Union (Cereals). Awarded to a full-time student from Peterborough County.

County of Peterborough Bursary

Established by the County of Peterborough. Awarded to students in any undergraduate year who have established a minimum two years residency in the County of Peterborough (which includes the eight townships).

Creery Memorial Bursary

Awarded to a student majoring in Philosophy entering the fourth year of study with a B+ or better average. OSOTF guidelines apply.

Joyce Cumming Memorial Bursary

Established in memory of Joyce Cumming by husband, Stuart, children Shauna and Rod (Canadian Studies '87), family and friends. Awarded to an upper-year student in Canadian Studies. OSOTF guidelines apply.

John S. Cunningham Memorial Bursary

Established in memory of the late John Scott Cunningham by associates of Bell & Howell, friends and fellow members of the Stoney Lake Cottagers Association. Awarded to students in any undergraduate year. OSOTF guidelines apply.

CUPE 3908 Bursary

To be awarded to four student academic workers who are members of CUPE 3908. Available to graduate and undergraduate students based upon financial need. OTSS guidelines apply.

Dainard Family Bursary

Established by Garnet and Clara Dainard, Peterborough, to be awarded to students in any undergraduate year. OSOTF guidelines apply.

Brian Desbiens Community Leadership Bursary

Established to honour Dr. Brian Desbiens, former President of Fleming College and a recipient of the 2007 Trent Community Leaders Award. To be awarded to one upper-year undergraduate or graduate student in any program who has demonstrated leadership within the university and within the greater community. A student who is reaching out to make a difference to the lives of others. OTSS guidelines apply.

Harold "Pat" Dooley Bursary

Established by Pat Dooley at the age of 94 in 2001. To further support his commitment to assisting students, he established a bequest in his will to increase the endowed portion of the fund. OTSS guidelines apply.

Faculty Association Bursary

Established by the Trent University Faculty Association. Awarded to students in second year or higher who achieved a minimum B average in the preceding academic year. OSOTF guidelines apply.

Dorothea Flavelle Bursary

Established by the great-great-grandson of Dorothea Flavelle, who came with her husband to Peterborough from Northern Ireland in 1847 and supplemented their income through offering singing lessons and by teaching in a local school. To be awarded to a full-time third- or fourth-year student, majoring in English Literature or History. OTSS guidelines apply.

Michael Frisch Memorial Bursary

Established in memory of the late Michael Frisch. Awarded to a Canadian undergraduate student who is actively involved in extracurricular activities within or beyond the university.

Finn and Eileen Gallagher Bursary

Established by alumni, family and friends. Awarded to Otonabee College students chosen by the Head of College in consultation with the Director of Alumni Affairs. OSOTF guidelines apply.

Sheila Genoe Teacher Education Bursary

Established in memory of Sheila Genoe and awarded to a full-time student in the School of Education and Professional Learning undertaking studies leading to certification as a teacher. OTSS guidelines apply.

Geography Northern Studies Bursary

Established by Jill and Peter Adams from the proceeds of Peter's book, Trent McGill and the North: A Story of Canada's Growth as a Sovereign Polar Nation. The purpose of the bursary is to encourage students to study in the polar regions. To be awarded to third- or fourth-year undergraduate students in Geography. OTSS guidelines apply.

German Studies Bursary

Awarded to students majoring in German Studies in second year or higher.

Greatest Need Bursary Trust

Supported by alumni, friends, faculty and staff. To be awarded to undergraduate and graduate students in any program. OTSS guidelines apply.

Christopher Greene Bursary

Established by alumni Doug and Maureen Loweth, in honour of History Professor Emeritus, Chris Greene. Awarded to a history student. OSOTF guidelines apply.

Hamlin Family Bursaries

Established by the Hamlin Family (includes a Trent alumnus from 1988) in recognition of the value of a liberal arts education. Awarded to full- or part-time (minimum of 3 credits) students entering third or fourth year. OSOTF guidelines apply.

Errol Hanbidge Memorial Bursary

Established by his wife, Audrey Hanbidge. OSOTF guidelines apply.

Naomi Harder Memorial Bursary

Established by family and friends in memory of Naomi S. Harder, a second-year Comparative Development major at Trent University at the time of her death on December 19, 1988. In the spirit of Naomi's concern for others and her deep commitment to international understanding, awarded to a student based on his/her dedication to international and national development, peace and justice issues.

Brian Heeney Memorial Bursary

Established in memory of the late Brian Heeney, Vice-President (Academic) and Provost of Trent University at the time of his death on September 17, 1983. Awarded to a graduate from Lakefield College School or Lakefield District Secondary School, based on academic standing and distinction in cultural, athletic or other community activities. OSOTF guidelines apply.

Goodith Heeney Bursary

Established to honour Goodith Heeney, recipient of a 2009 Trent Community Leaders Award. To be awarded to a full-time undergraduate student enrolled in any program. OTSS guidelines apply.

The Frederick and Lois Helleiner Teacher Education Bursary

Awarded to a part-time student in the School of Education and Professional Learning undertaking studies leading to certification for the first time as a teacher. OSOTF guidelines apply.

Victor E. Henderson Bursary

Established in honour of Victor E. Henderson, local campaign chairman of the Trent University Second Decade Fund. Awarded to first-year students from Peterborough County based on academic achievement and distinction in cultural, athletic or other community activities.

Henniger/Pilkington Bursary

Established in honour of Perry and Ella Henniger and Lawrence and Norah Pilkington, the parents of Jim and Isabel Henniger. Awarded to well-rounded students, actively involved in the life of the University, be it student government, sports or music programs or University clubs. Awarded on a renewable basis to second-, third- or fourth-year students. OSOTF guidelines apply.

Hicks Morley Bursary

To be awarded to a returning undergraduate student pursuing an Honours degree in Political Studies. OTSS guidelines apply.

Iris Hobbs-Smith Bursary

Established by Professor Margaret Hobbs in memory of her mother, Iris Hobbs-Smith. To be awarded to an upper-year student majoring or joint-majoring in Gender & Women's Studies. OTSS guidelines apply.

Howell Family Bursary

Established by Walter Howell, a member and chair of the Trent University Foundation. To be awarded to a deserving undergraduate or graduate student in any program. OTSS guidelines apply.

Indigenous Studies Bursary

Established by the Indigenous Studies program. Awarded to students of Métis and non-status Indian ancestry who do not qualify for educational assistance from the Indian Student Support program.

International Development Studies Bursary for IDS Year Abroad Programs

Established to honour Daniel Powell and David Morrison for their contributions to the IDS study abroad programs. Awarded to a student registered in an IDS year abroad program. Preference will be given to students who have been active in extra-curricular activities with an international orientation. OTSS guidelines apply.

David Irwin Memorial Bursary

Established in memory of David Sutherland Irwin, a member of Trent's first graduating class and a former Professor of Biochemistry. Awarded to a student entering the third or fourth year of an Honours program in Chemistry or Biochemistry & Molecular Biology. OSOTF guidelines apply.

Richard P. Janes Memorial Bursary

Established by his parents, brothers and sisters as a lasting memory of Richard P. Janes. Awarded to a student with a disability, studying on a full- or part-time basis in the Humanities. OTSS guidelines apply.

Jean Ann Johnston-Gauld Bursary

Established by the family in memory of Jean Ann Johnston-Gauld a part-time student at Trent University from 1982-85. Awarded to part-time students. OSOTF guidelines apply.

Rhoda Johnston Memorial Bursary

Established by Robert Johnston in memory of his wife Rhoda, a long term past employee of Trent University. Awarded to undergraduate students in a Canadian Studies program.

James S. Keating Memorial Bursary

Established by his family as a permanent remembrance of James S. Keating, husband of Jean, a former Trent employee and father of Craig ('81).

Mary J. Kennedy Bursary

Established in memory of Mary J. Kennedy by her family. To be awarded to a deserving full- or part-time undergraduate student in any program. OTSS guidelines apply.

Principal H.R.H. Kenner and PCVS Faculty Bursary

Established by the PCVS Form 5 graduating class of 1937 in honour of Principal Kenner and their teachers. Support has also come from the class of 1939. Awarded to graduates of secondary schools in Peterborough County.

Keppler Bursary of German Studies

Established by Hans and Christine Keppler. Awarded to Canadian undergraduate and graduate students going on a study abroad program to Germany or studying German at Trent

Kiwanis Club of Peterborough Bursary

Awarded to a student in second year or higher majoring in Business Administration, Computing & Information Systems or Economics. Applicants must be residents of the City or County of Peterborough.

Chief Keith Knott Bursary

Established to honour Chief Keith Knott, recipient of a 2007 Trent Community Leaders Award. To be awarded to the most needy full-time or part-time undergraduate or graduate student in any program. OTSS guidelines apply.

Lady Eaton College Students' Bursary

Awarded to a student of Lady Eaton College.

Lakefield Research Bursary

To be awarded to a full-time undergraduate student in any program. OSOTF guidelines apply.

J.S. Langford Bursary

Established by Lari Langford ('70) in grateful memory of her father, Jack Langford, a sincere advocate of higher education. To be awarded to a full-time or part-time undergraduate student in any program. OTSS guidelines apply.

David & Sharon Lasenby Ecology Bursary

Established by Sharon Lasenby '66 and Professor Emeritus, David Lasenby '64, a teacher and researcher in the field of Limnology in the Biology Department at Trent University. To be awarded to a student in upper year in the Honours Biology program in the field of Ecology. OTSS guidelines apply.

Jeanne & Ed Lister Family Bursary

Established by alumna, Dianne Lister, Vice President, External Relations & Advancement in honour of her parents. Awarded to a full- or part-time student entering fourth year in the Humanities. OTSS guidelines apply.

Louis and Bess Loftus Fellowship Bursary

Established by the late Barnet David Loftus in memory of his parents. OSOTF guidelines apply.

Aidan Lumley Bursary for Athletics

Named in memory of Aidan Lumley, a third-year Trent student and member of Trent's swim team. To be awarded to a deserving undergraduate student of good academic standing, who has made a significant contribution to the swim team. OTSS guidelines apply.

Professor Jim MacAdam Bursary

Established in honour of Jim MacAdam, former Master of Champlain College. Awarded to an undergraduate student majoring in Philosophy. OSOTF guidelines apply.

Susan Mackle Bursary

Established by friends and colleagues of Susan Mackle to honour her 18 years of service as Vice-President, Development (1987-1997) and Vice-President, Advancement (1998-2005). More than \$54 million was raised through campaigns during her service. To be awarded to a full-time undergraduate student in any year who has graduated from a high school in the Peterborough, Victoria, Northumberland & Clarington Catholic School Board. OTSS guidelines apply.

Jack Matthews Study & Research Abroad Bursaries

Named in honour of the founding director of the Trent International Program and Honorary Degree recipient. Awarded to undergraduate students going on a Trent study abroad program and to graduate students studying and researching in an international setting as part of a Trent program. The award is based on financial need and an excellent academic record. OTSS guidelines apply.

McColl Turner Bursaries

To be awarded to full-time or part-time students enrolled in the Business Administration Program. Preference will be given to students from Peterborough City and County and Kawartha Lakes Region. OTSS guidelines apply.

Joel McDonald Memorial Bursary

The gift of alumni friends and family of the popular and respected "Joe" McDonald, a stalwart of the annual Trent Alumni Reunion. Awarded to a Trill College student.

Malcolm Montgomery Bursary

A bequest from the estate of the late Malcolm Montgomery. Awarded to students in the fourth year of the Indigenous Studies Honours program.

Phyllis Morton Memorial Bursary

Established in memory of Phyllis (Kearn) Morton by her loving family, who were the centre of her life. To be awarded to a full-time undergraduate student in the B.Sc. in Nursing Program. OTSS guidelines apply.

William Hamilton Munro Bursary

Established by the late Mrs. Angele Munro in memory of her husband William Hamilton Munro. Awarded to students in any undergraduate year.

John C. McDonald Memorial

Established in memory of Professor John C. McDonald, former chairman of the Sociology department.

McGregor Family Bursary

Established by Barbara, Betsy, John and Marg McGregor who are advocates for women's soccer. Awarded to an undergraduate student in any program participating on the varsity women's soccer team. Available to a student in any year and may be awarded as an athletic financial award to entering students. OTSS guidelines apply.

John and Elaine McClintock Bursary

Established by Mike McClintock in honour of his parents. Awarded to a returning undergraduate student in any program. OSOTF guidelines apply.

Métis Bursary

Established through funding initiatives of the Métis Nation of Ontario (MNO), Métis Training Initiatives (MTI) and the Ontario government. Awarded to post-secondary students of Métis ancestry.

Students must be residents of Ontario for one year before the start of their post-secondary education. OSOTF guidelines apply.

Nexicom Bursary

Established by Nexicom, a local telecommunications company. To be awarded to returning undergraduate students in the Business Administration or Computing & Information Systems Programs. OTSS guidelines apply.

Arnold Noftall Bursary

Established in memory of Arnold Noftall by his wife Doris. Awarded to a student in the School of Teaching and Professional Learning. OSOTF guidelines apply.

Doris Noftall Bursary

Established by Doris Noftall. To be awarded to a third-year Honours English student in the Queen's – Trent Concurrent Education program. OSOTF guidelines apply.

Dr. Edward Nol Bursary for Field Biology

Established by Professor Erica Nol in honour of her father, Dr. Edward Nol, a man whose love of the outdoors and awe in the complexity of nature, inspired his children. To be awarded to a full-time undergraduate student taking any of the Ontario University Program in Field Biology (OUPFB) courses. OTSS guidelines apply.

Northumberland Canadian Federation of University Women Bursary

To be awarded to a returning undergraduate or graduate female student. Preference will be given to students from the County of Northumberland. OTSS guidelines apply.

Nursing Bursary (B.Sc.N.)

Awarded to full-time students in the Trent/Fleming B.Sc.N. program.

Ontario Public Service Employees Union - Local 365 (Trent) Bursary

Established by the concerned members of OPSEU local 365 at Trent University. Awarded to a worthy undergraduate or graduate student. OSOTF guidelines apply.

Otonabee College Council Tenth Year Bursary

Awarded to an Otonabee College student on the basis of academic performance, athletic ability and participation within the community. The recipient will be chosen by a committee of the Master, the Senior Tutor, the President and Vice-President of College Council.

Norma and Lloyd Parnall Bursary

Established by the family in honour of Norma and Lloyd Parnall. Awarded to Aboriginal women successfully studying in undergraduate or postgraduate programs. OSOTF guidelines apply.

Patterson-Drain Pioneer Bursary

Established to honour the pioneers of Peterborough County including John Drain and his wife, Ann (nee Drain also) who came from the county of Antrim, Ireland to settle in Dummer Township in 1849. These pioneers cut farms out of the bush and created the communities we enjoy today. Awarded to a Peterborough County student in fourth-year who has demonstrated the qualities of the early settlers of Peterborough County in their perseverance, their community spirit and their sense of adventure. OSOTF guidelines apply.

Dennis Patterson Northern Bursary

Established to recognize the visit of the Government Leader of the Northwest Territories in 1990. Awarded to a student from the Northwest Territories.

Dr. Julia Phelps Memorial Bursary

Established in memory of Dr. Julia Phelps, an honorary graduate and long-time friend of Trent. Awarded to a student registered in the Cultural Studies program. OSOTF guidelines apply.

Peter Robinson College Bursary

A bequest from the estate of the late Lady Maude E. Robinson; established in the name of Peter Robinson, the founder of Peterborough and the brother of Sir John Beverley Robinson, 1st Baronet. Awarded to students of Peter Gzowski College. OSOTF guidelines apply.

Peterborough Liflock Atom Hockey Tournament Athletics Bursary

Awarded to a full-time student registered in any program and in any year, and is playing varsity or intramural sports. The student must have attended a Peterborough County high school. This bursary may be awarded to qualified entering students for recruitment to Trent's varsity teams. OTSS guidelines apply.

Peterborough Professional Fire Fighters' IAFF Local 519 Bursary

Established through continued support from the Peterborough Professional Fire Fighters IAFF Local 519. Preference will be given to dependents of full-time fire fighters in the City of Peterborough. OSOTF guidelines apply.

Quickmill Bursary

Established by Quickmill Inc., a local manufacturing company. To be awarded to a full-time undergraduate student in any program. OTSS guidelines apply.

Fern A. Rahmel Bursary

Established by Dr. Fern A. Rahmel. Awarded to a woman of proven academic ability who is over twenty-five years of age or to a woman of proven academic ability entering the third or fourth year of an Honours program.

The Scott Rennie Memorial Bursary

Established with gifts from alumni, family and friends, in memory of Scott Rennie, an alumnus of Otonabee College, this bursary will be awarded to an Otonabee College student chosen by the Master of the College.

J. J. Robinette Memorial Bursary

Established in memory of J. J. Robinette, a member of the first Board of Governors and Chancellor from 1984 to 1987. Preference will be given to a History major. OSOTF guidelines apply.

Sam Leach Robinson Bursary for English Students

Established by the family and friends in memory of alumna Sam Leach Robinson. Awarded to a deserving student entering fourth year of the Honours program in English Literature or the graduate program. OTSS guidelines apply.

Gordon Roper Bursary

Established by the department of English Literature to honour Professor Emeritus Gordon Roper, a teacher, scholar and pioneer in the fields of Canadian and American literature. Awarded to students majoring or joint-majoring in English in second or third year. OSOTF guidelines apply.

Rotary Club of Peterborough Bursary

Awarded to full-time students who are permanent residents of Peterborough City and County, who have disabilities as defined under the Human Rights Code. Preference will be given to a first year student. OSOTF guidelines apply.

John Rymes Memorial Bursary

Established by a friend in memory of John Rymes '82 who considered life one big adventure. Awarded to a full-time undergraduate student in any year. OTSS guidelines apply.

Sara Bursary

Established for a student or students enrolled in part-time studies at Julian Blackburn College with a minimum average of 66%. Preference will be given to sole-support parents who have completed at least five courses towards an undergraduate degree. OSOTF guidelines apply.

Sally Stavro Bursary

Established in honour of Sally Stavro, a Toronto philanthropist. This bursary will be awarded to an upper-level mature student majoring in Gender & Women's Studies. OSOTF guidelines apply.

School of Education & Professional Learning Bursary

Established by friends, faculty and staff of the School of Education and Professional Learning. To be awarded to a teacher candidate in the Consecutive Bachelor of Education Program based upon financial need and commitment to education. OTSS guidelines apply.

School of Nursing Bursary

Established by faculty, staff and friends of the School of Nursing. To be awarded to a full-time student enrolled in his or her second year in the School of Nursing. This bursary is to assist a student, who is currently working part-time, to work fewer hours. OTSS guidelines apply.

Setsu Suzuki Bursary

Established by David Suzuki in memory of his mother, Setsu Suzuki. Awarded to a student from the Third World.

Sherratt Bursary for Athletics

Established by Fred Sherratt, former Vice-Chair of CHUM Limited, and a member of Trent's Board of Governors. Each award has a value of \$1,500 and will be awarded to entering or returning full-time undergraduate or graduate students participating in the varsity athletics program. OTSS guidelines apply.

Sir Sandford Fleming College Bursary

Established by Fleming College in recognition of Trent's 25th anniversary and to acknowledge the excellent relationship between our institutions. Awarded to a graduate of Fleming College enrolled at Trent University in a full-time or part-time program. Value: tuition fees.

Sisters of St. Joseph of Peterborough Bursaries

Established by the Sisters of St. Joseph of Peterborough. Awarded to students completing the Queen's-Trent Teacher Education Program for use in their year at Queen's University. OSOTF guidelines apply.

Bill and Dorothy Slavin Bursary

Established by members of the Slavin family, in memory of their parents, Bill and Dorothy Slavin. Awarded to a student from a developing country.

Carlyle & Mary Jane Smith Bursary

Established by Carlyle Smith, Professor Emeritus of Psychology and Mary Jane Smith, a Teaching Assistant at Trent for almost 30 years. Awarded to a full-time undergraduate student majoring in Psychology. OTSS guidelines apply.

David Smyth Memorial Bursary

Established by family and friends to commemorate a remarkable young man, a Trent University Student, who bravely battled Shwachman-Diamond Syndrome, a rare form of Leukemia and was an advocate for raising awareness of the Bone Marrow/One Match program to save lives. To be awarded to a student who has the strength and determination, like David, to overcome a disability. OTSS guidelines apply.

J. Herbert Smith Bursary

Established by the late J. Herbert Smith, who, as Chief Executive Officer, was instrumental in arranging for the original gift of land to Trent University by GE Canada.

T. D. Bank Financial Group Bursary

Awarded to students registered in Computing & Information Systems courses. Recipients may be residents of any province or territory in Canada.

TD Insurance Meloche Monnex Alumni House Work Study Experience

Generously supported by TD Insurance Meloche Monnex and available, upon application in the summer, to a third- or fourth-year student who demonstrates financial need and a willingness to work part-time for the Alumni Affairs department. Experience in extracurricular activities and promoting campus partnerships is an asset. OTSS guidelines apply.

Three Generations Bursary

Established in honour of alumna Barbara Mather by her daughter Jennifer MacIsaac. Inspired by her love of reading and learning, three generations have attended Trent. To be awarded to a returning full-time undergraduate student in any program. OTSS guidelines apply.

David Tapscott Bursary

Established by his family in memory of David Tapscott ('69). Awarded to a student in any year. OSOTF guidelines apply.

Lisa Thivierge and Donny Caldwell Bursary

Established by John and Rosemary Wordley in memory of Lisa Thivierge and Donald Caldwell. To be awarded to a first-year student who has attended Dr. John M. Denison Secondary School. If there are no qualified students, then it may be awarded to students who have attended a high school in Newmarket. OSOTF guidelines apply.

Catharine Parr Traill College Students' Bursary

Awarded to a student of Catharine Parr Traill College based upon financial need. OTSS guidelines apply.

Trent Central Student Association Bursary

A gift of the Trent Central Student Association. Awarded to a student in any year who displays academic progress. OSOTF guidelines apply.

TUFA Bursary

Funded by the faculty and professional librarian members of the Trent University Faculty Association. Awarded to students in second year or higher, who achieved a minimum B average in the preceding year.

Trent Part-Time Student Association (JBCSA) Bursary

Awarded to a part-time student studying on Peterborough campus who has been a member of the association for two previous sessions. OSOTF guidelines apply.

Trent University Bursary for Dependents of Deceased Armed Forces Personnel

This Trent University bursary provides free basic tuition and one year of on-campus residence to one student each year. The student must be under the age of 26, a Canadian or permanent resident, and a dependent of a serving member of the Canadian Armed Forces who was killed while on duty. Recipients must achieve an academic average of 60% to renew the bursary for a maximum of four years of continuous registration.

Trent University S & A Bursaries

Established by the employees of Trent University. Awarded to students who demonstrate all-round achievement and character, and are permanent residents of the Province of Ontario.

Vernon Family Bursary

Established by the Vernon Family (Alumni Len & Phyllis '64, Paul '91, Colin '93). To be awarded to a deserving third-year undergraduate student. OTSS guidelines apply.

Visa Student Bursary

Established by the Board of Governors of Trent University. Awarded to visa students in any undergraduate year.

Peter Thomas Walker (R.N.) Bursary

Established in 2006 by his wife, Susanne Walker, Jan Jamieson (good friend), children Quinton Walker and Suzette Landry, parents Thomas and Lois Walker, extended family and friends. Dedicated to the loving memory of Nurse Peter Thomas Walker 1973, Occupational Health and Safety Inspector 1987–2005 and Occupational Health and Safety Officer Provincial Offence Officer 2005. Awarded to a student from Peterborough County in the Nursing program. Preference will be given to a male student. OTSS guidelines apply.

D. R. Walling Family Bursary

Established by the Walling Corporation of Lindsay. Awarded to students majoring in business or environmental studies. Based on fitness/health and community involvement.

Rodney F. White Memorial Bursary

Established by alumni, family and friends, in memory of Rodney F. White, Professor of Sociology. Awarded by preference to Sociology majors. OSOTF guidelines apply.

Billie Wilder Bursary

Established by Judith R. Wilder, an honorary member of Trent's Board of Governors. Awarded to a student in any undergraduate year. OSOTF guidelines apply.

P. S. B. Wilson Bursary

Established in honour of Paul S. B. Wilson, Director of Athletics. Awarded to a returning student on the basis of a significant contribution to the athletics program. OSOTF guidelines apply.

WMST Bursary

To be awarded to a Gender & Women's Studies major or joint-major who has taken a minimum of 10.0 credits towards an Honours Degree, has a satisfactory academic record and need for financial assistance. OTSS guidelines apply.

Wolff Family Bursary

Established by Ruth Wolff '67 and Gary Wolff '67, Chair of Trent's Board of Governors (1999-2002) and Co-Chair of the Sport, Recreation & Wellness for All Campaign (2009-2010). To be awarded to full-time entering or returning undergraduate student participating in the varsity athletics program. OTSS guidelines apply.

Janet Wright & Associates Inc. (JWA) Bursary

Established by Janet Wright, a Trent alumna (1970). Awarded to a third- or fourth-year student majoring in English Literature. OTSS guidelines apply.

Morden Yolles Bursaries in Environmental & Resource Science/Studies

Established by Morden Yolles, a structural engineer who worked closely with Trent architect Ron Thom on many of the Trent University buildings, including the design of the Reginald Faryon Bridge. Awarded to undergraduate students enrolled in the Environmental Resource Science/Studies program. Preference will be given to promising students in their final year of study. OSOTF guidelines apply.

TRENT UNIVERSITY OSHAWA CAMPUS BURSARIES**Fern A. Rahmel Trent University Oshawa Bursaries**

Established with a generous estate gift from Fern Rahmel, a Trent Honorary Degree recipient, and a leader in education, the arts and culture in Peterborough. To be awarded to women of proven academic ability who are over twenty-five years of age or to women of proven academic ability entering the third or fourth year of an Honours program. Enrolled full-time or part-time at Trent University Oshawa. OTSS guidelines apply.

Trent University Oshawa Student Association Bursary

Established in 2009 by the student association at Durham College, UOIT and Trent University Oshawa. To be awarded to a full-time Trent University Oshawa campus student in any program. OTSS guidelines apply.

INTERNATIONAL BURSARIES

Students who enrol in International study programs through Trent University are eligible to apply for any bursary listed in the Calendar, but the following bursaries are specific to these programs.

W.A.C.H. Dobson Memorial Student Travel Bursary

Named in honour of W.A.C.H. "Bill" Dobson, a renowned scholar and great friend of Trent.

Awarded to a Trent student studying abroad or an incoming visa student with travel costs. In recognition of Professor Dobson's exceptional interest in China and the Pacific Rim, preference is given to students traveling to study in Asia or coming to Trent from that region. Administered by the Trent International Program.

Joe Wearing International Travel Bursary

Established in honour of Joseph Wearing, Professor Emeritus and former chair of Political Studies.

Awarded to an international student coming to Trent University to take courses in Political Studies. It is open to visa students admitted to the University for one-year exchange and full degree programs. Administered by the Trent International Program.

EXTERNAL BURSARIES

Many organizations and companies offer bursary assistance to post-secondary students. Information is available in high school guidance offices as well as Financial Aid offices. The following bursaries are administered through the Trent Financial Aid Office.

Hamilton Community Foundation

This foundation provides assistance for full-time undergraduate students who have graduated from publicly funded secondary schools in the Hamilton-Wentworth area. Deadline dates for receipt of applications by the foundation are October 1, and February 1. Applications are available through the Financial Aid Office and student must be recommended by that Office.

Leonard Foundation

Bursaries averaging \$1250. Preference will be given to sons and daughters of clergy, teachers, military personnel, graduates of RMC, members of the Engineering Institute of Canada and the Mining and Metallurgical Institute of Canada. Application deadline is March 15. Applications are available through the Financial Aid Office.

Masonic Foundation of Ontario

The Foundation aims to provide assistance to upper-year students who have exhausted other means of assistance and cannot complete their year, due to emergency situations. Applications are available through the Financial Aid Office and students must be recommended by the Financial Aid Office.

Royal Canadian Legion

Bursary assistance of up to \$1,000. Awarded to War veterans and their children and grandchildren, ordinary members of the Legion and their children and grandchildren, associate members of the Legion and their children, and Ladies' Auxiliaries and their children. Awards are determined by the District Bursary Committee. Applications are available at the Financial Aid Office.

Awards

Financial assistance through Trent University's award program is designed to acknowledge those students with outstanding academic qualifications (at least 80% average) and proven financial need. Many of these awards are made possible through the Ontario Student Opportunity Trust Fund established by the Province of Ontario in 1996/97; a second phase was introduced in 2003. Fifty percent of this fund is provided by the Province and 50% has been raised through fund-raising initiatives by the University. The trust fund represents an endowment fund. Annual proceeds from investment earnings are available in the form of awards to Ontario residents enrolled full-time, part-time or as graduate students. Students may apply for OSOTF and OTSS bursaries and awards using the General Bursary form available on the Financial Aid website.

OSOTF & OTSS Eligibility Guidelines

Students must be Ontario residents to receive OSOTF and OTSS bursaries and awards. To qualify for provincial residency: Prior to the beginning of their current full-time post-secondary study session, students or their parents or their spouses must have lived in Ontario for at least 12 consecutive months without being full-time post-secondary students.

Students must demonstrate financial need and be in receipt of OSAP to qualify for OSOTF and OTSS bursaries and awards.

Aditya Jha Indigenous Studies Awards

Established by entrepreneur Aditya Jha, founder of Osellus Corporation and the POA Educational Foundation, in support of undergraduate or graduate students demonstrating financial need as well as academic achievement in Indigenous Studies or their chosen field. Preference will be given to applicants of Aboriginal heritage. Essay or references may be requested. OTSS guidelines apply.

Athletic Financial Awards – General

To be awarded to entering full-time undergraduate students who are quality athletes with strong academic achievement and financial need. OTSS guidelines apply.

Bagnani Undergraduate Awards

Established in 1997 by the Dewar Memorial Fund in honour of the late Professors Gilbert and Stewart Bagnani. Awarded to Ontario students in the final year of an Honours program who demonstrate both academic excellence and financial need. Preference will be given to undergraduate students in classical (traditional) disciplines of the humanities, especially Classics, Archaeology/Anthropology, Ancient History, History, Philosophy and English. OSOTF guidelines apply.

Board of Governors' Leadership Award

Awarded to an upper-year undergraduate student in any program based upon financial need and academic achievement. This student has shown outstanding leadership and involvement in the university and external community. OTSS guidelines apply.

Bridget Butt Trent-in-Ghana Award

Established by Michael Butt, a member of Trent's Board of Governors to honour his daughter, Bridget who has worked in East Africa for many years to support peace and reconciliation. To be awarded to a student entering third year and enrolled in an honours program in International Development, Anthropology or International Studies and accepted into the Trent-in-Ghana year-abroad program. This award is based upon community involvement, academic achievement and financial need. OTSS guidelines apply.

Cranston Family Award

A gift of alumnus John Cranston and alumna Mary Cranston. Awarded to a current Trent student(s) entering fourth year who demonstrates high academic achievement and financial need. Preference will be given to students majoring in History and Anthropology. OSOTF guidelines apply.

City of Peterborough Awards

Established in 1997. Awarded to one first-year student from each Peterborough high school, who is a resident of the city of Peterborough, and has graduated with a minimum of 80% final average. OSOTF guidelines apply.

Computing & Information Systems Award

Established by faculty, staff and friends of the Department of Computer and Information Systems. To be awarded to an outstanding full-time student in Computing and Information Systems who is entering the fourth year and demonstrates financial need. OTSS guidelines apply.

Darling Insurance & Realty Limited Athletic Award

To be awarded to a full-time undergraduate student athlete in any program, who participates in Trent varsity or intramural sports and who attended a Peterborough City or County high school. OTSS guidelines will apply.

de Pencier Family Award

The gift of business executive, John de Pencier, a long-time member of Trent's Board of Governors and chair from 1987 – 1991, and his wife, Marni, Trent parents. Awarded to a student of high academic standing who is in financial need. OSOTF guidelines apply.

Dudas Award

A gift of Frank and Jane Dudas. Awarded to a first-year student who demonstrates high academic achievement and financial need. OSOTF guidelines apply.

Geoffrey Eathorne Award

Established in honour of Professor Geoffrey Eathorne, who after 38 years as a member of Trent's Department of English Literature, retired in 2006 and received the Symons Award for Excellence in Teaching. Preference will be given to students with exceptional work in a third-year course studying African, West Indian or South Asian literature. OTSS guidelines apply.

Gordon H. T. Farquharson Award

Established by friends, colleagues and family members in memory of Gordon H.T. Farquharson, Q.C., L.S.M., D.F.C. who practiced law with integrity in Peterborough for 55 years. Mr. Farquharson was awarded the Distinguished Flying Cross, having served as a Spitfire pilot in WWII and had a keen interest in war history. Preference will be given to an undergraduate student studying History and Canadian Studies as a joint-major. If there are no qualified applicants, then it may be awarded to a History major. OSOTF guidelines apply.

Mathew Russell Ferguson Memorial Award in Environmental & Resource Science/Studies

Established by the family in memory of Mat Ferguson (1985-2009), a Peter Gzowski College student in the ERST program. To be awarded to a full-time undergraduate student enrolled in the Environmental & Resource Science/Studies program. OTSS guidelines apply.

History Award

Established by an '83 Alumnus, faculty members and other concerned alumni of the History department. This Award will be granted to a worthy undergraduate History student. OSOTF guidelines apply.

Bernard Hodgson Memorial Award

Established by family, colleagues, students and friends in memory of Bernard Hodgson, Professor of Philosophy at Trent from 1974 to 2009. His special interests included the philosophy of the natural and human sciences, ethical theory, and epistemology/metaphysics. To be awarded to a student majoring in Philosophy and proceeding from third to fourth year and based upon financial need and academic achievement. OTSS guidelines apply.

Agneta Holt Award

Established by the University Women's Club of Peterborough as a memorial to the late Mrs. Agneta Holt. Awarded to a female undergraduate student, in any program, who demonstrates academic scholarship. OSOTF guidelines apply.

Dr. Jennifer Ingram Award

Established to honour Dr. Jennifer Ingram, a specialist in Internal Medicine and Geriatric Medicine and a recipient of a 2007 Trent Community Leaders Award. To be awarded to third- or fourth-year undergraduate students in the Nursing and Psychology programs who have demonstrated academic excellence and financial need. Preference will be given to students exhibiting an interest in community development and/or the health of seniors. OTSS guidelines apply.

Kawartha Credit Union Award

Kawartha Credit Union is a socially responsible company and makes significant and positive contributions to the communities they serve through their Community Involvement Program. To be awarded to a full-time undergraduate student enrolled in the Business Administration program based upon financial need and academic achievement. Value is \$1,000.

LLF Lawyers Award

Established by a Peterborough law firm. Awarded to a full-time undergraduate student who demonstrates high academic achievement and financial need. Preference will be given to students majoring in Business Administration. OTSS guidelines apply.

Lopes Family Award

Established by Ana P. Lopes, a member of Trent's Board of Governors, in honour of her parents, Antonio F. and Gertrudes M. Lopes, originally of Lisbon, Portugal, in recognition of their interest in politics and current affairs and their leadership and community service within the Portuguese-speaking community of Canada. Awarded to a student in financial need who has demonstrated high proficiency in Western European Studies, with special consideration of Portuguese Studies. OSOTF guidelines apply.

Department of Mathematics Award

Established by faculty, staff and friends of the department of Mathematics. Awarded to a first-year student enrolled in MATH 1100Y or MATH 1101Y. OSOTF guidelines apply.

Jean McKerracher Business Administration Award

Awarded to one or two upper-year Business Administration student(s) whose work most demonstrate(s) the creativity and innovative spirit essential to entrepreneurial success. OSOTF guidelines apply.

Moore Family Award

Established in 2004 by David and Joan Moore. David is a passionate advocate for Trent having served on the Board of Governors from 1981-1996 and having chaired the For Tomorrow Campaign. A life-time appointment as Honorary Governor was granted in 1996. Awarded to undergraduate students who demonstrate achievement and financial need. OSOTF guidelines apply.

Reid & Margaret Morden Award in the Humanities

Established by Reid and Margaret Morden in support of an undergraduate student demonstrating financial need as well as high academic achievement in the areas of history, political science or sociology. Reid Morden served as chair of Trent's Board of Governors from 2002-2008. OTSS guidelines apply.

Patricia & David Morton Indigenous Studies Undergraduate Award

Established in 2007 by Honorary Degree recipient and former president and CEO of Quaker Oats of Canada, David L. Morton and Trent University Professor Emerita, Patricia Morton. To be awarded to undergraduate students of Aboriginal heritage. OTSS guidelines apply.

T. E. W. Nind Award

Established in memory of Professor T. E. W. (Tom) Nind, President of Trent University from 1972 – 79. Awarded to a major or joint-major in Mathematics who demonstrates financial need and high academic standing. OSOTF guidelines apply.

Bonnie M. Patterson Athletic Financial Award

Created as a tribute to Bonnie Patterson, President and Vice Chancellor of Trent University from 1998-2009. Awarded to returning full-time undergraduate students participating in the varsity athletics program. OTSS guidelines apply.

Sarah D. Patterson Award for Aboriginal Language Studies

Established in memory of Sarah D. Patterson (1889 – 1979), a Mohawk of the Bear Clan who was born at Six Nations and spoke four languages; Mohawk, Cayuga, Tuscarora and English. Awarded to an upper-year or graduate student of high academic standing who is in financial need and shows a keen interest in Aboriginal languages.

Peterborough Horticultural Society Award

Established by the Peterborough Horticultural Society (founded in 1861) and in honour of Ann Greer-Wootten, Past President. To be awarded to a full-time undergraduate student who is majoring in Environmental & Resource Sciences/Studies and who has an interest in our natural world and its preservation. OTSS guidelines apply.

Greg & Laura Piasetzki Award

Established by Greg ('72) and Laura Piasetzki. Awarded annually to one returning student in Chemistry and one returning student in Forensic Science. OTSS guidelines apply.

David Rae Memorial Award

A gift from family members. Awarded to a student entering fourth year of any academic program who has demonstrated academic excellence and financial need.

Peter L. Roach Award

Established to honour Peter L. Roach, Director of Education from 1975 to 1992, in recognition of his years of service to the Peterborough Victoria Northumberland and Clarington Roman Catholic Separate School Board. In selecting the recipient, priority will be given to a student who has studied in the PVNC Separate School system and who displays academic excellence and financial need. The funding for this award was provided initially by the employees of the PVNC Separate School Board through the For Tomorrow Campaign and by friends and associates of Mr. Peter Roach. Additional funding was provided by donations to the Ontario Student Opportunity Trust Fund. OSOTF guidelines apply.

Shore Tilbe Perkins+Will Athletic Award

Established by an architectural consulting firm that has designed several buildings on the Trent campus. To be awarded to entering or transfer students who are participating in athletics as members of a varsity team. OTSS guidelines apply.

Patricia H. Southern Mathematics Award

Established in 2004 by Patricia H. Southern, FCA and a member of Trent's Board of Governors. Awarded to one or two students in third- or fourth-year who demonstrate high academic

achievement and financial need. Preference will be given to students majoring in Mathematics. OSOTF guidelines apply.

Gerry and Mary Stephenson Award

Dedicated to the memory of Gerry Stephenson, an avid canoe historian. Awarded to a third year student in History or Canadian Studies. OSOTF guidelines apply.

Swish Maintenance Limited Athletic Award

This award was established by a local Peterborough company, founded by Walter Ambler in 1956. To be awarded to a full-time undergraduate student athlete in any program, who participates in Trent varsity sports. OTSS guidelines apply.

Colin Taylor Award

Established by colleagues and friends of Colin Taylor to honour his service as teacher and researcher and his administrative service as Chair of the Geography Department (1980-84), Associate Dean of Arts and Science (1984-88), Associate Dean of Research and Graduate Studies (1990-95), Acting Dean of Arts and Science (three terms), and Dean of Arts and Science (1997-2002 and 2003-06). Awarded to a student registered in his/her final year of any Honours undergraduate program who has improved the intellectual and academic life of the university. OTSS guidelines apply.

Edward Tremain Award for Study Abroad

Established in memory of Ted Tremain, a dedicated Honorary member of the Board of Governors. It is to be awarded to a third- or fourth-year student going on a Trent study abroad program. The award is based on financial need and an excellent academic record. OTSS guidelines apply.

Thesis Eleven Award

Established by colleagues, students and friends, in honour of Professor Emeritus Constantin Boundas and Mrs. Ke-Ryang Choi –Boundas. Awarded to a single-major honours student in Philosophy in second year or higher. OSOTF guidelines apply.

Trent University Foundation Award

Established by the current and past volunteer Directors of Trent University Foundation and the support staff of the Foundation. Awarded to a returning student in the fourth year of an Honours program. Preference will be given to students in the Humanities and Social Sciences. OSOTF guidelines apply.

John Wadland Award

To be awarded to the most worthy student entering the second year of the Canadian Studies Program who has financial need, in recognition of John Wadland's seminal role in introducing students to Canadian Studies over the past three decades through CAST 2040Y – Canada: The Land. OTSS guidelines apply.

WB Family Foundation Award in Environmental & Resource Science/Studies

Established by the WB Family Foundation. Awarded to an undergraduate student enrolled in the Environmental & Resource Science/Studies program who demonstrates both academic excellence and financial need. OSOTF guidelines apply.

RESIDENCE AND HOUSING

Blackburn Hall, Suite 108

Telephone: 705-748-1011 ext. 7127

E-mail: residence@trentu.ca

Web: www.trentu.ca/housing

Application for Residence

New students who apply to study at Trent University receive information about applying to residence with their offer of admission. Students may submit an application for residence by going to www.trentu.ca/housing and following the links. Any student who submits an application by June 1, 2011 will be guaranteed residence accommodation. Offers of accommodation will be processed on a first-come first-served basis. The application outlines choices as to the type of residence room the students would prefer (e.g., single, double) and the type of meal plan (flex or board). Residence preferences cannot be guaranteed, but students' requests are met wherever possible. Applications must be submitted online and accompanied by the \$30 Application Fee before they will be processed.

General inquiries concerning cost or the application process may be directed to Housing Services. Please see the Residence website for more details at www.trentu.ca/housing.

For details about our Living Learning Communities, that sponsor theme-focused activities in co-operation with the college offices and other departments on campus, please see the Housing website. Applications are available online.

Colleges at Trent

Web: www.trentu.ca/colleges or for campus map: www.trentu.ca/howtofindus/trentcampus.php.

Head of Colleges

R. Lathangue, B. Arts & Sc., M.A. (McMaster), Ph.D. (Deakin)

The Colleges of Trent University offer each student an additional and unique identity as a member of a specific college. Through this membership the student becomes part of a smaller community within the larger university. The colleges offer each member a rich array of opportunities for intellectual, cultural, and social life. In any year, a college might host special lecture series, a college citation program, concerts, art exhibitions, seminars and other open meetings, plus offer many opportunities to get to know faculty members in informal settings. By getting elected to the student-run college cabinets (or councils), members of college work closely with college staff to plan programs and activities according to the interests of college members. Colleges have created prizes to honour academic excellence and contributions to the life of the college and each college plays a key role in helping its members develop their co-curricular records.

CATHARINE PARR TRAILL COLLEGE

College Head

To be named

Senior Tutor

C. Carlson, B.A. (Toronto), M.A. (McMaster)

College Assistant

D. Nichols

Named in honour of the noted author, botanist and pioneer settler of the Peterborough area, Catharine Parr Traill College is one of the founding colleges of Trent University. An integral part of the academic and social life of Trent University as a whole, Traill College is an active community, beautifully situated on a drumlin overlooking central Peterborough.

Traill College is the home of most of Trent University's graduate programs in the Humanities and Social Sciences including the M.A. programs in English, in History, and in Theory, Culture & Politics; the M.A. and Ph.D. program in Canadian Studies & Indigenous Studies, and the Ph.D. program in Cultural Studies. In 2008, Traill became the University's graduate studies college, serving all graduate students in all disciplines. Undergraduate students currently affiliated with the College maintain that affiliation through to graduation.

As part of the evolution of Traill College, space within the college's historically significant buildings and the modern Wallis Hall has been converted into office space for graduate students and faculty, and accommodations for graduate students. The new Bagnani Hall provides state-of-the-art teaching facilities as well as the elegant Bagnani Room for small academic and social functions. The ground floor of Scott House has also been renovated to provide facilities in support of the graduate programs and undergraduate teaching. Other College facilities include Junior and Senior Common rooms and The Trend, a College café and pub.

As a graduate studies college, Traill College retains some of its undergraduate roots. Several undergraduate courses continue to be offered and taught at the College and the offices of the undergraduate programs in Canadian Studies, Cultural Studies and English continue to be located there.

The intellectual life of the College is supplemented by a thriving visitors program organized by students and faculty. The program gives members of the College the opportunity to meet informally with writers, artists, politicians, musicians and scholars. Recent guests have included writers Yann Martel, Barbara Gowdy, Charlotte Gray, Jane Urquhart, Frances Itani, Lawrence Hill, Alistair MacLeod, Charles Foran and Douglas Glover; *Toronto Star* columnist Linwood Barclay; historian Dr. Margaret MacMillan; international development economist Dr. Amiya Kumar Bagchi; former Principal Dancer with the National Ballet of Canada Frank Augustyn; and editor, publisher and educator Dr. Cynthia Good.

Traill is also home to the Thomas H.B. Symons Graduate Seminar Series and the Alan Wilson Reading Room. The excellent facilities and quiet atmosphere of the College offer a comfortable working environment for both students and faculty. Regular and frequent bus service connects the College with the Symons Campus, and Traill's close proximity to downtown Peterborough provides easy access to the Peterborough Public Library, art galleries, movie theatres, live concerts, churches, restaurants, pubs and more.

CHAMPLAIN COLLEGE

College Head

A. Michael Allcott, B.A., M.A. (Utah), Ph.D. (Buffalo)

Senior Tutor

D. Newman-Stille, B.A., M.A. (Trent)

College Assistant

N. Flower

Named in honour of the French explorer Samuel de Champlain, the College is situated directly on the banks of the Otonabee River. The proximity of the river makes it an awe-inspiring place for both learning and living.

The centre of the College is the impressive Great Hall and the Champlain Living Learning Commons. The Commons serves as a formal meeting space, an art gallery, a dining room, and the venue for regular college functions like co-curricular workshops and guest speakers. Champlain's two residential quads are divided into staircases with five single study-bedrooms clustered on each floor. Tutorial offices for faculty fellows, dons' residences and seminar rooms are interspersed throughout the College. Non-residents share with residents the use of the common rooms, the music practice room, the Ceilie (a licensed pub and games room that hosts regular evening special functions), the Junior Common Room, the Morton Reading Room, and group study spaces in the College Office.

The College has expansive grounds and is home to the Seasoned Spoon, a student-run organic foods restaurant and coffee house.

The academic life of the College is enriched by special events including guest speakers, a musical theatre group, a campus magazine (*The Absynthe*), a Model UN, Trent Students for Literacy (known as Frontier College), AIESEC International Internships, a chapter of Journalists for Human Rights, and the Trent Global Living and Active Living Communities, as well as *La Maison Française*. Every year we host politicians, writers, actors, artists, social activists, and international leaders who live in residence among our students. The student Cabinet, elected annually by the Champlain student body, organizes many social and cultural activities to supplement the regular curriculum, in particular, Harvest Weekend in the Fall term and Bon Temps in the Winter term. Members of Champlain College have enjoyed a long tradition of active participation in athletic, social and communal events. Champlain College is home to the departments of International Development Studies, Political Studies, Ancient History & Classics, and the Trent International Program.

JULIAN BLACKBURN COLLEGE: PART-TIME STUDIES

College Head

R. Lathangue, B. Arts & Sc., M.A. (McMaster), Ph.D. (Deakin)

Senior Tutors

M. Fenwick, B.A., M.A. (Ottawa), Ph.D. (Queen's)

Administrative Assistant

D. O'Dette

The mandate of Julian Blackburn College (JBC) is to ensure that resources and services are available to students studying part-time in Peterborough. Part-time studies are fully integrated with full-time studies at Trent. Part-time students may enrol in any course offered in the Trent Calendar, day or evening, on- or off-campus, provided they have the prerequisite. Bursaries for part-time students are available. The college also hosts special dinners and events, often with guest speakers, that are of interest to non-traditional, mature and part-time students.

In Peterborough, services listed under "Academic Support Services" and "Student Services," are fully available to part-time students as are use of the athletic facilities, participation in student government and membership in University committees. Applicants for part-time studies apply directly to Trent; application forms are available online at the Trent University website at www.trentu.ca/jbc.

LADY EATON COLLEGE

College Head

C. Kay, B.A. (Toronto), M.Phil (Oxford), M.A., Ph.D. (Yale)

Senior Tutor

C. Freeman-Roth, B.A. (Guelph), M.A., Ph.D. (Waterloo)

College Assistant

K. Curle, B.A. (Trent)

Named in honour of Flora McCrea Eaton, a native of Omemee and one of the original sponsors of the University, the College provides facilities designed to encourage academic and social interaction for a community of students and fellows in an international atmosphere.

Situated against a drumlin, the residential wings and Commons Block enclose a pleasant quadrangle. One-third of the south wing of the College building is reserved as a women's residence while the remainder of the south wing and the entire north wing house both men and women. In total there are 214 single study-bedrooms, five apartments reserved mostly for upper-year students and twelve double study-bedrooms. The College usually houses a substantial number of international students from many different countries. LEC houses the departmental offices of History, Modern Languages & Literatures (French, Spanish, German), Philosophy, Gender & Women's Studies and the Queen's – Trent Concurrent Education Program, and the offices of the Deans of Arts & Science, Social Sciences, Humanities, and Science as well as the Associate Dean. There are also offices for the faculty of Lady Eaton College; teaching takes place in many of these offices as well as in the College's seminar rooms and lecture hall.

Non-resident members of the College living at home or in lodgings in Peterborough are full members of the College and are encouraged to participate in College activities, to use the Junior Common Room (The Pit with movie screening capabilities), and downstairs the student-run coffee shop (The Magpie), Crawpadies, the LEC Pub, the TV room, the music practice room and other facilities. The dining hall, a spacious and colourful room with small tables, has a warm and friendly atmosphere. When it is not being used for dining it is used for dances, concerts, lectures and other special events. Extensive grass fields, ideal for a variety of pick-up sports, surround the College. The Athletics Complex and University Library are close by, across the main driveway.

Art exhibitions are occasionally held in the College. They complement the permanent collection of the College, which includes Inuit sculptures, a gift from Lady Eaton.

A very active student government organizes and sponsors many College events in which students and faculty participate. These include intramural sports, in which most students take part, a varied social program including regular events sponsored by Cabinet, *The Drumline*, a student publication, and the Lady Eaton College section in the Trent Annual (yearbook).

Language tables organized by the department of Modern Languages & Literatures hold informal weekly meetings in the College during meal times. In addition, musical concerts are held each term for students, faculty and the public, connecting the college with jazz, folk and classical artists. There are, in addition, regular open College lectures given by fellows of the College and guests on topics of special interest.

OTONABEE COLLEGE

College Head

R. Lathangue, B.Arts & Sc., M.A. (McMaster), Ph.D. (Deakin)

Senior Tutor

C. Carlson, B.A. (Toronto), M.A. (McMaster)

College Assistant

M. Sparkes

The College's buildings range along a cedar ridge overlooking the river from which the College derives its name ("fast boiling water" in Nishnaabee). To the east of the College are located the new buildings of the DNA Cluster and the Forensic Science program; beyond them a rolling rural landscape with a magnificent stand of blue spruce. To the west are Peter Gzowski College and the Science buildings, leading to the Faryon pedestrian bridge, which provides easy access to the Bata Library, the Athletics Complex, and the colleges on the West Bank.

Eight "houses" connected by an interior walkway called "the Street," make up Otonabee's residence. The residence is co-educational, although there are single-sex areas within the houses. Each house contains single and double study-bedrooms, a kitchenette, and a commons area. Past "the

Link," are a set of faculty offices, the mailboxes, College Porter's office, the main dining hall looking to the north and east of the grounds. Down the stairs and out the back is a lovely green space with picnic tables known as the Otonabee Quad. A large College Commons is located up the stairs across from Wenjack Theatre, with large-screen televisions and many comfortable chairs for relaxing.

The academic wing is directly connected with the Science Buildings and houses the School of Education, the departments of Sociology, and Computing & Information Systems. Teaching facilities include a 125-seat lecture theatre, various seminar rooms, a Sociology resource room, offices for faculty in many of the disciplines in arts and sciences, and the Wenjack Theatre, which provides a venue for multimedia lecture presentations as well as theatrical productions by amateur and professional companies. Nearby are the Archaeology Centre, Mackenzie House, and a wildlife sanctuary with walks and ski trails.

Students at Otonabee play a major role in organizing and conducting cultural, social and athletic activities. The student government (Cabinet) and its committees co-operate with the College Office and dons in planning and delivering a variety of events for both its non-resident and resident members: visiting scholars, artists, musicians, scientists; College dinners and dances; Fall and Winter College Weekend; and intramural co-educational competitions in a number of sports. Members of the College also participate in the wider academic, social, cultural and athletic activities of the University and the city of Peterborough, including various forms of community service.

PETER GZOWSKI COLLEGE

College Head

E. Bentzen, B.Sc. (McGill), M.Sc. (Waterloo), Ph.D. (Waterloo)

Senior Tutor

M. Buddle, B.A. (Guelph), M.A. (UNBC), Ph.D. (Victoria)

College Assistant

J. Ecclestone

Peter Gzowski College is Trent's newest college on the Symons Campus. The College is named after the University's eighth Chancellor, Peter Gzowski (1934-2002), author, broadcaster, columnist and champion of literacy. Gzowski College is adjacent to the Otonabee River and has 250 single residential rooms for students, as well as a dining room and academic facilities. In the Trent tradition, a College is substantially more than the buildings that house it. Our building is named "Enweying," Anishnaabe for "The Way We Speak Together." Enweying hosts the First People's House of Learning which integrates ceremonial, cultural and academic spaces for the Indigenous Studies Program; these include the Performance Space, the Gathering Space, and other ceremonial spaces indoors and out. The four elements of the First Peoples are integrated through the distinctive architecture of the building, represented by the colours of the medicine wheel.

Along with the department of Indigenous Studies, academic departments housed in Peter Gzowski College include Mathematics, Economics, and Business Administration as well as the Office of Research. Reflective of the idea of integrating all peoples together, Enweying has space in our Atrium (the common area between the lecture halls) used by the Trent Community for many special events such as Career Fairs, sales events and the Elders Conference. There are two large lecture halls often in use for visiting speakers and literary readings. Special activities for Gzowski members occur throughout the year, including events hosted by the student College Cabinet such as movie nights, student pubs, and the Gzowski College Weekend. The Gzowski College Office also hosts events including trips to the Curve Lake Pow Wow and elsewhere, Ten Thousand Villages Festival, the annual Winter Holiday dinner, dinners with special guests, and others celebrating students' successes. As a relatively new College, our identity grows each year with the enthusiasm of all members of the Gzowski community. Our College motto translates as "the minds of the future are made great beginning today." For more information, visit our website at www.trentu.ca/colleges/gzowski. Please come and speak with us!

ACADEMIC SUPPORT SERVICES

Academic Advising

Trent offers numerous ways for students to access academic advising services. Each college in Peterborough and the campus at Trent University Oshawa has a senior academic advisor (Senior Tutor). Senior Tutors in the residential colleges are supported by a team of volunteer faculty advisors. Advisors are available throughout the year either by appointment or during drop-in hours. In addition, first-year students participate in academic advising sessions during New Student Advising (NSA) days in the summer and in Introductory Seminar Week (ISW) in the fall. All students can seek advice from departmental advisors for discipline-specific course planning.

While the ultimate responsibility for course selection and compliance with the University's academic regulations rests with the student, an adviser can help in many ways. Advisors help students clarify their academic goals, decide which courses to take, understand academic regulations, connect with the services they need and, ultimately, take charge of their own education. Students are advised to make maximum use of academic advisors in planning their academic program.

Students who find themselves in difficulty with the academic regulations and/or degree requirements of the University should consult a Senior Tutor for advice.

The Academic Advisors/Senior Tutors may be reached at the following e-mail addresses:

Location	E-Mail Address
Catharine Parr Trail College	tcseniortutor@trentu.ca
Champlain College	ccseniortutor@trentu.ca
Julian Blackburn College	jbseniortutor@trentu.ca
Lady Eaton College	ecseniortutor@trentu.ca
Otonabee College	ocseniortutor@trentu.ca
Peter Gzowski College	gcseniortutor@trentu.ca
Trent University Oshawa	oshseniortutor@trentu.ca

Academic Skills Centre

Telephone: 705-748-1720
Fax: 705-748-1830

E-mail: acdskills@trentu.ca
Web: www.trentu.ca/academicskills

The Academic Skills Centre teaches students through individual and group instruction. The Centre is located in Champlain College and provides services to students in all the Peterborough campus Colleges and at Trent University Oshawa.

Individual and Group Instruction

All students – in all disciplines and at all levels – may take advantage of the assistance offered by Academic Skills Centre instructors, through individual appointments and workshops, or through online appointments. These appointments give students the opportunity to discuss academic work in progress or to learn valuable skills such as critical reading and thinking, time management, grammar and composition, oral presentation strategies, research and citation, listening and note taking skills, scientific writing and laboratory reports, exam preparation techniques, and mathematics instruction. Many students bring essay drafts or ask questions about narrowing an essay topic, developing a thesis or conducting research. Students are encouraged to book appointments early, especially after each Reading Week, as appointments fill up quickly at those busy times in the term.

The Centre also offers a range of in-class and small group workshops designed to teach essential academic skills. Topics include essay writing, developing a thesis, scientific writing, documenting to avoid plagiarism, time management skills and exam preparation. Students should contact the Academic Skills Centre or refer to the website for complete details on available appointments and workshops.

Students may also enrol in the Trent Colleges/Academic Skills: Academic Skills Citation Program designed to help them succeed at Trent. It's an opportunity to grow and progress through customized one-on-one appointments and workshops; at the end of the program, students will receive recognition from their respective colleges. For more information please refer to our website.

The ASC also offers learning modules through myLearningSystem. Titles include *Time Management*, *Exam Preparation*, *Beyond the Five Paragraph Essay*, and *Avoiding Plagiarism*. Trent University Oshawa students may access our online discussion forum to ask one of our ASC instructors a question available through the myLearningSystem portal.

Academic Skills Centre instruction supports the Peer Mentoring program, a student-run volunteer program that matches students with mentors who offer course- or degree-specific academic support. Students are encouraged to review the Peer Mentoring website (www.trentu.ca/academicskills/peermentoring.php) for more information. Mentors who wish to participate as volunteers in the program are automatically registered in the Mentorship Citation Program and will receive support and recognition through their respective colleges.

Specialized Instruction

The ASC has a mathematics instructor and instruction is also available for students with learning disabilities and students whose first language is not English.

Bookstore

1720 West Bank Drive, Peterborough, ON K9J 7B8

Telephone: 705-748-1111

Fax: 705-748-5802

E-mail: bookstore@trentu.ca

Web: www.trentu.ca/bookstore or
www.efollett.com

Manager

D. Legros

Trent operates a University Bookstore located in Champlain College on the Symons Campus. The bookstore accommodates a wide range of needs and interests, not only for Trent students, faculty, and staff, but for the Peterborough community in general. The store aims to be more than a mere outlet for textbooks and supplies. We carry a wide range of general-interest books, along with software, Trent University clothing, gifts and a variety of food and beverage items.

School rings and jackets are sold throughout the academic year.

Textbook buy-back days are held throughout the year, Monday to Friday 9:00 am - 4:00 pm. The value of each book is determined by the demand. Please see store for details.

Textbook Returns:

- Reprotext, Coursepacks, Custom Order Books and iClickers are not returnable.
- The original bookstore receipt (no photocopies) must accompany all returns. New books must be returned in 'mint' condition. Returns will be at the discretion of the bookstore manager.
- Students have seven days after the start of classes to return books for a refund or exchange. Books purchased after this date may be returned within two business days of purchase. Refund dates for students in the Bachelor of Education program will differ due to their earlier program start date. All dates will be posted in the bookstore.
- Students dropping a course may return books up until the official drop date (the 'final date to withdraw from course without academic penalty') by providing verification that they have officially dropped the course. The bookstore will post the dates for each term, no exceptions after that date.
- Textbooks purchased during the last week of classes or during exams are ineligible for refunds or exchanges.

Disability Services

Bata Library, Suite 109

Telephone: 705-748-1281 – Peterborough; 905-435-5100 – Oshawa

Telephone TDD: 705-748-1482

Fax: 705-748-1509

E-mail: disabilityservices@trentu.ca

Web: www.trentu.ca/dso

Director, Access Services

E. Lund-Lucas

Within its resources, Trent University endeavours to ensure the accessibility of its Peterborough and Oshawa campuses and programs to all students, including those with disabilities. The University has a Disability Services Office, located on the ground floor of the Bata Library building on the Peterborough campus, and a disability services team, who provide support and advocacy on behalf of students with physical, sensory or learning disabilities. Some of the services provided by this office include transcription services for those who are visually impaired or print-disabled, assistance with obtaining note-takers for hearing-impaired students, exam invigilation services for students with a variety of disabilities, and liaison with faculty members and with support agencies in the community. Students with disabilities who are considering attending Trent are strongly encouraged to contact the Office at the time of application since some action may be necessary in advance to accommodate the student's needs. For example, in the case of a learning disability, where appropriate, formal diagnosis and assessment of the condition will be required. Normally this would include a report prepared by a registered psychologist within the past three years. In all cases, early identification of needs is extremely important.

Students with mobility impairments are strongly urged to visit the campus that they plan to attend in order to determine its suitability to their needs and interests. Most buildings are equipped with ramps and/or elevators to provide access for persons with mobility difficulties.

Students with disabilities are also encouraged to become aware of assistance that is available through various private and public agencies. Students from other jurisdictions who have disabilities should investigate the availability of assistance through such agencies in their home province or country.

The Disability Services Office also co-administers, with the Financial Aid Office, the Ontario Bursary for Students with Disabilities for eligible students who incur disability-related educational expenses. Applications for these bursary funds are available in September of each year. For more information on this program, please contact the Disability Service Office directly.

Information Technology

Telephone: 705-748-1010

Fax: 705-748-1122

E-mail: it@trentu.ca

Web: www.trentu.ca/it

Acting Director, Information Technology

A. Parker

Manager, Digital Service Delivery

A. Bell

Manager, Information Systems

P. Armstrong

A wide variety of computing and media resources is available to members of the Trent academic community in support of their research, learning, teaching and scholarship. These include wireless Internet access, public labs providing Internet access, e-mail, various computer languages, productivity applications, computer-based services and audio-visual equipment. All computing services are available from computer labs on campus, with many also available from other locations over the Internet. All instructional technology support services are provided free of charge to all academic programs. All equipment reservations are available online via myTrent.

Computing resources are accessible only through personalized computer accounts, available to all faculty, staff and students through Information Technology. Accounts for first-year students are available for activation as part of the University's summer new student orientation process.

Trent's computer facilities are available for use free of charge by all Trent students and Trent employees.

Library

Telephone: 705-748-1011 ext. 7423
Fax: 705-748-1126

Web: www.trentu.ca/library

University Librarian

R. F. Clarke, B.A., M.L.S. (McGill)

Librarians and Archivists

K. Field, B.Mus.Ed. (Dalhousie), M.L.S. (UBC); **J. Luyben**, B.A., M.L.S. (Western); **J. Millard**, B.A. (McMaster), M.L.S. (Toronto), Dipl.Cult.Con. (Victoria), M.A. (T) (McMaster) (*on leave 2011-2012*); **E. Olsen-Lynch**, B.Sc. (Brock), M.L.I.S. (Western); **G. Ripley**, B.A., M.L.S. (Western); **M. Scigliano**, B.A. (Toronto), M.L.S. (Dalhousie), M.A. (Concordia); **J. Watson**, B.A. (Carleton), B.Ed. (Lakehead), M.A. (Laurentian), M.L.I.S. (Western); **B. Znamirovski**, B.A. (Queen's), M.L.S. (Dalhousie)

Librarians Emeriti

T. Eadie, B.A., M.A., M.L.S.; **M. W. Genoe**, B.A., M.A. (Waterloo), M.L.S. (Western), M.Phil. (Waterloo), M.P.A. (Queen's); **A. McCalla**, B.A., B.L.S., M.L.S.

Archivist Emerita

B. Dodge, B.A., M.A., Ed.D. (Toronto)

The Trent University Library consists of two branches: the flagship Thomas J. Bata Library, located on the Symons Campus in Peterborough, and the Oshawa Campus Library, located at the Thornton Road Campus in Oshawa

The Thomas J. Bata Library is the architectural focal point of the Symons Campus, adjacent to the University Court. It plays a pivotal role in fulfilling the University's mission by providing support for study, teaching and research in the humanities, social sciences and sciences. In a time of accelerating change, the Library is committed to excellence and innovation, and to a place in the vanguard of academic libraries in Canada.

The online Library catalogue (TOPCAT) provides access to the collection from computers within the Library and remotely via the Internet. The Library website provides online guides, tutorials, assistance, forms, e-resources, links to valuable sites, and all information related to Library services and resources. The Library's collection includes more than 600,000 print volumes, 350,000 e-books, over 30,000 periodicals in electronic or print formats, an extensive microform collection, and over 87,000 maps and 24,500 air photos. Most print material is available in open stacks. On-site as well as web-based library instruction programs are also offered.

The Library houses a number of special collections to support the University's interest in Canadian Studies. These include the G. M. Douglas Arctic Collection, the Floyd Chalmers Collection of Canadian Explorations and the A. J. M. Smith Collection of Canadian poetry and literature. In addition the Library was a charter subscriber to the Canadian Institute for Historical Microreproductions (now available online as Canadiana.org), and holds the entire collection.

Trent University Archives holds non-current records of the University and also functions as a regional archive preserving private historical records of Peterborough County and the surrounding area. Holdings comprise over 1,100 metres of textual records – family, business, association and institutional papers – as well as 38,000 photographs, maps and other graphic items. In addition, a number of special collections of published materials have been acquired which focus on rare Canadiana. The Archives website (trentu.ca/library/archives) provides an overview of the Archives and its access policies, as well as in-depth guides to the holdings.

The Maps, Data & Government Information Centre (MaDGIC) is a major resource for all students. The Centre serves as a regional depository for several governments including the federal Government of Canada and provincial Government of Ontario. Collections include: Canadian parliamentary and legislative papers, statutes and regulations and other Canadian legal tools, Statistics Canada collections, royal commissions and task force reports, technical reports and studies as well as a range of cartographic resources including Canadian and international gazetteers and atlases, topographic maps, theme maps, Ontario Base Maps, and aerial statistical digital information as well as related technical support. Introductory and specialized workshops to MaDGIC collections are offered in addition to general reference services (www.trentu.ca/library/madgic).

The Oshawa Campus Library opened in September 2010. In addition to access to the entire range of electronic resources available to Trent students, and a growing print book collection that supports teaching on the Thornton Road Campus, the Oshawa Campus Library also facilitates access to print materials housed in the Bata Library via an inter-campus delivery service.

STUDENT SERVICES

Office of Student Affairs

PETERBOROUGH

Telephone: 705-748-1011, ext. 7125
Fax: 705-748-1109

E-mail: studentaffairs@trentu.ca
Web: www.trentu.ca/studentaffairs

TRENT OSHAWA THORNTON ROAD

Telephone: 905-435-5102 ext 5054
Fax 905-435-5101

E-mail: saoshawa@trentu.ca
Web: www.trentu.ca/oshawa/studentlife.php

Associate Vice-President, Student Services

Meri Kim Oliver, B.A., M.T.S.

Manager, Student Affairs

Jeffrey Cadence, B.A.

Manager, Student Affairs - Oshawa

Paul McCann, Ed.D.

The Office of Student Affairs provides administrative and programming support to the various departments that coordinate student services on both the Peterborough and Oshawa campuses.

In Peterborough, these services include the Academic Skills Centre, Athletics, Trent Bus Service, The Career Centre, Counselling Services, Health Services, Disabilities Services, Conference Services, Housing and Food Services, Student Pubs, the Introductory Seminar Week orientation, Spiritual Affairs, and Health education. The Office of Student Affairs coordinates student-based committees to help raise awareness, address concerns, and make recommendations for improvements that will benefit the students and the University.

Student Affairs Oshawa supports and coordinates the various student services on the Oshawa campus including Academic Skills, Athletics, Bus Pass (Durham Regional Transit), Career Counselling, Disabilities Services, Food Services, Health and Wellness Education, Student Leadership Programming, New Student Programming, and Personal Counselling. Oshawa Student Affairs works with student government leaders of the Trent in Oshawa Student Association (TOSA) and other campus groups to reach out to and engage with the Durham community. Working collaboratively, it anticipates and addresses concerns, and makes recommendations that will benefit Trent Oshawa students and the University.

Student Affairs is also home to *Impact* and *Oshawa Impact*, an exciting leadership program that prepares students to assume a wide variety of leadership roles within the Trent community and beyond. Students who complete this co-curricular experience develop the knowledge and skills to assist them in becoming productive, compassionate and effective leaders.

Student Affairs coordinates the *Co-curricular Record* for students in Peterborough and Oshawa. The co-curricular experience requirements aim to provide students with the knowledge and skills that encourage productive, compassionate and effective leadership and citizenry. The certificate becomes part of the students' co-curricular record in which all volunteer and service learning experiences at Trent are recorded. The co-curricular record is an adjunct to academic transcripts and provides a valuable tool to demonstrate experience and skills to potential employers.

Alumni Association

Alumni House, Champlain College
Telephone 705-748-1573
Fax: 705-748-1785

E-mail: alumni@trentu.ca
Web: www.trentu.ca/alumni

Studying at Trent University is an exciting and important time in a student's life, but it is just one phase in the lifelong relationship that the Alumni Association fosters and encourages.

Trent's alumni remain informed, interested and involved, long after graduation day. Recent graduates help represent the university to high school students; university committees and boards benefit from alumni participation; Homecoming Weekend welcomes alumni back to campus each year; Alumni House is a special, popular facility for many university events as well as a destination for returning alumni; twenty-five Chapters across Canada and overseas provide opportunities for Trent alumni to meet in their home communities, and our magazine *Trent* is provided to alumni and friends around the world three times a year.

Alumni involvement is visible every day at Trent through bursaries, awards, prizes, scholarships, support for student groups and programs, hospitality to new students, special lectures and sponsored events.

Trent's alumni number almost 40,000 representing 97 different countries. The success of our alumni as liberal arts and science graduates is impressive and diverse including a nationally recognized executive search consultant, an award-winning physicist, a University President, a leading Canadian church-woman, a pioneering specialist in Canadian environmental law, an innovative leader in information technology, a doctor committed to international humanitarian causes, an Ontario Court Justice and several award-winning writers and musicians.

This strong and lasting bond that alumni form for Trent is an indication of the richness of their experiences as students.

Athletics and Recreation Programs

PETERBOROUGH

Telephone: 705-748-1257
Fax: 705-748-1447

Web: www.trentu.ca/athletics
E-mail: athletics@trentu.ca

Cardio Bookings/Court Bookings/Swim Times: 705-748-1257

Director

Bill Byrick, B.A.

Trent offers a diversified athletic and recreation program in Peterborough, ranging from organized inter-university varsity competition to sport club competitive teams, a large, award winning, Campus Recreation intramural program and fitness activities, as well as informal recreational activities. The new Trent Community Sport and Recreation Centre opened in September of 2010. Facilities include an indoor rowing and paddling centre, a large new fitness centre (including new cardio and strength facilities, a climbing wall, an international squash court, a sports medicine centre, a therapy pool, retrofitted change rooms, and food services) along with the outdoor rowing venue, a multi-sport artificial turf stadium with lighting and seating for 1,000 spectators, recreational track, a second natural grass playing field, a double gymnasium, a 25-metre pool, three additional squash courts, saunas, a canoe venue and an extensive nature area for hiking.

Inter-university and intramural competition is organized in a wide range of sports and Trent University is a full member of Ontario University Athletics and the Canadian Inter-University Sport, as well as the Ontario College Athletic Association and the Canadian University Field Lacrosse Association. Varsity sports include Cross Country Running, Curling, Fencing, Lacrosse, Rowing, Rugby, Soccer, Swimming, and Volleyball. Trent's award-winning Intramural program includes inner tube water polo, basketball, fencing, hockey, soccer, softball, squash, flag football, volleyball, swimming, skiing, ultimate Frisbee and triathlon. A complete schedule of aquatic leadership and fitness programs is available. Trent has an active club program as well, with teams involved in interuniversity competition at the club level in mountain biking, field hockey, lacrosse, triathlon, martial arts, Nordic skiing, rowing, badminton and dancing.

Trent Athletics is the largest student employer on Campus. There are employment opportunities in aquatics, varsity event operations, sports information, building maintenance, personal trainers, sports media team, campus recreation and fitness instruction.

OSHAWA

Telephone: 905-435-5102 ext 5054
Fax 905-435-5101

E-mail: saoshawa@trentu.ca
Web: www.trentu.ca/oshawa/studentlife.php

Coordinator of Athletics

Paul Mc Cann, Ed.D., Manager, Student Affairs

All Trent University Oshawa students pay a compulsory fee which provides them with a City of Oshawa Level II Fitness membership, providing them access to Oshawa's three recreational centres - the Legends Centre at 1161 Harmony Road South, the South Oshawa Community Centre at 1145 Cedar Street and the Oshawa Civic Centre located on Thornton Road immediately south of the Oshawa Campus. Each facility includes cardio and strength training equipment and a 25 metre swimming pool. The Oshawa Civic Centre has one of the largest indoor tracks in the GTA and will boast a state-of-the-art outdoor track in the spring of 2011. For an additional monthly fee, Trent Oshawa students can add a Racquet Sports membership with access to the Civic's indoor tennis and squash courts. In addition, each centre offers a variety of recreational athletics programs, including Yoga, weight training, daily fitness classes and a range of other activities. Trent University Oshawa is working with the Oshawa Civic Centre to mount Trent-only recreational athletic programs in 2011-12, such as fitness classes, weight management, spinning, introduction to weight lifting, pick-up soccer, ultimate Frisbee and a running club among others.

Bus Service

PETERBOROUGH

Trent's Symons and Traill campuses are connected to each other and to the city by dedicated bus routes operated by the City of Peterborough. The Trent Express is operated specifically for students and other members of the Trent community during the Fall and Winter sessions, and is scheduled to coordinate with the University's academic timetable. A reduced Trent Express service is maintained throughout the summer months as well. The City's George Street North bus runs regularly and connects Trent with nearby neighbourhoods.

The compulsory transportation fee paid by full-time students entitles students to a bus pass which is honoured on all City of Peterborough bus routes, giving Trent students access to the entire city from the Labour Day holiday in September to May 1 each year. Please see section on Ancillary Fees for information on the compulsory transportation fee, or view Trent's website: www.trentu.ca/studentaffairs/transportation.php. Part-time students may also purchase a student bus pass. Students enrolled in Summer session at Trent may purchase a Summer bus pass from the Office of Student Affairs.

For questions or comments about Trent bus service in Peterborough, please contact the Office of Student Affairs at studentaffairs@trentu.ca or 705-748-1011 ext. 7125.

OSHAWA

All full-time Trent Oshawa students pay a compulsory fee which allows them to ride on any Durham Region Transit (DRT) bus and GO Transit buses operating within the Region of Durham Region during the academic year (September 1, 2011 to May 31, 2011). Full-time Trent Oshawa students are issued a student identity card with a special sticker which identifies them as DRT bus pass holders.

For questions or comments about Trent bus service in Oshawa, please contact the Office of Student Affairs at saoshawa@trentu.ca or 905-435-5102 ext 5054.

Career Centre

Champlain College, Room 204
Telephone: 705-748-1011, ext. 6012

E-mail: careers@trentu.ca
Web: www.trentu.ca/careers

Hours: 9:30 a.m. to 4:30 p.m. Monday to Friday. Reduced summer hours.

The Career Centre is your on-campus and online resource for planning your career and finding employment. Whether this is your first year or your graduating year, it's never too early to start.

PETERBOROUGH

The Career Centre is open year-round for all students and recent graduates who seek career- and work-related information and guidance. At the Career Centre, students will find information on different career options and effective work search strategies as well as resources for graduate school and further education opportunities.

Career and employment workshops, information sessions and special career events/fairs are held throughout the school year. Individual appointments are available for resumé/cover letter critiques and career counselling.

The Career Centre also invites students from all disciplines to connect with employers, recruiters, and graduate and professional school representatives through several on-campus career fairs and other networking events hosted by the Career Centre throughout the academic year.

OSHAWA

Telephone: 905-435-5100

Professional career counselling assistance is available every second Tuesday on campus and via Skype to Peterborough every Friday. Appointments can be booked in the Student Services Office in Room 101, Thornton Road campus.

Online

Students can find out about exciting upcoming events and other career-related resources by visiting us online at www.trentu.ca/careers. Connect with Trent alumni through our online Alumni-Student Mentoring program at www.trentu.ca/careers/mentoring. Find out what you can do with your Trent degree by visiting us on-campus or online at www.trentu.ca/careers/students/overview.php.

Child Care Centre

Trent University Site

1600 West Bank Drive
Telephone: 705-748-1096

Trent Child Care Administrative Office

236 Parkhill Rd E, Peterborough, ON K9H 1R2
Telephone: 705-775-2811

Executive Director Marie-Anne Saucier

E-mail: info@trentchildcare.com
Web: www.trentchildcare.com

Trent Child Care Inc. is a non-profit organization offering a wide range of programs for children between the ages of six weeks and twelve years. Our campus site is licensed for fifty-two children aged from six weeks to five years. All staff have Early Childhood Education diplomas and maintain current First-Aid and Infant-Child C.P.R. training. Trent Child Care is licensed by the Ministry of Children and Youth, Services under the Ontario Day Nurseries Act. The organization offers care to all members of the community, and fee subsidies are available for those who qualify.

Please direct all registration enquiries to the Trent Child Care Administrative Office. All applications for registration are processed through our online registration available on our website. Early registration is urged, as waiting lists exist at most of our sites.

Conference & Hospitality Services

Lady Eaton College

Telephone: 705-748-1260

Fax: 705-748-1209

E-mail: conferences@trentu.ca

Web: www.trentu.ca/conferences

Trent's Conference and Hospitality Services provide event services to internal and external clients hosting events on campus. We utilize residences, classrooms and dining halls outside of academic timeframes to generate revenue to support the University's operating budget. Conference and Hospitality Services provides employment opportunities to students both during the academic year and through the summer months to assist in providing these services. Accommodation for visiting students and their families is available from May to August through this office. Contact us if you have questions or are planning an event on campus.

Disability Services

See Academic Support Services, Disability Services ([p. 331](#)).

First Peoples House of Learning – Services For Indigenous Students

Telephone: 705-748-1011 ext. 7612

Fax: 705-748-1416

E-mail: iss@trentu.ca

www.trentu.ca/indigenous

Director, First Peoples House of Learning

J. Argue

First Peoples House of Learning, located in Enweying building on the main Symons campus, provides student services for Indigenous students throughout the University. Student space is provided in Ska'nikonhra, Benedict Gathering Place, located on the lower floor of Enweying, and in Nendimowin: Elders and Students Centre, located in Enweying 322, which also provides access to computer, telephone and fax services.

Foundations of Indigenous Learning

Students of Indigenous heritage from all disciplines are welcome to take Foundations of Indigenous Learning INDG 1010Y. In this course, facilitators accompany students on their learning journeys. Students are given an opportunity to learn while utilizing their emotional, mental, physical, and spiritual selves. The course focuses on acquainting students with academic skills, while also engaging students in the process of learning about and developing their individual talents, lessons to be learned, their world views, and their sense of self-worth.

Access and Advocacy for Indigenous Students

Trent University provides access for individuals of Indigenous heritage through the Foundations of Indigenous Learning Diploma. This program is offered through the Indigenous Studies program in collaboration with Indigenous Student Services. Advocacy is available for any Indigenous student needing to connect with a department or service within the University.

Naadimaagewin Program

The Naadimaagewin program offers a variety of group and individual academic supports for students. Workshops are held throughout the year on topics such as Time Management, Essay Writing and Exam Stress. Individual academic help is available through the Indigenous Student Counsellor, who can arrange for tutors from any of the departments on campus for students in need of specific course support. The program also offers cultural workshops during the year.

Cultural Advisor

The Cultural Advisor provides a variety of services to support enhanced awareness and understanding of contemporary and traditional Indigenous issues within the university community. Cultural events, traditional activities and workshops are presented throughout the academic year. The Advisor acts as the primary department liaison for the Elders and Traditional Peoples Gathering each February. Culture-based counselling is available.

Indigenous Student Counsellor/Academic Advisor

The Indigenous Student Counsellor is available to all Indigenous students at the University. The Counsellor provides culturally sensitive counselling for issues regarding university life and academics as well as personal problems that arise as a result of school or other life experiences. Appointments and referrals to long-term counselling can be arranged. Advocacy for students with their professors or other university departments is also available. The counsellor also provides academic advising for degree planning, petitions and other requirements.

Trent University Native Association (TUNA)

Since 1969 TUNA has provided a voice for students within the Indigenous Studies program and for Indigenous students throughout the university. It is a body organized by, for and about Trent's Indigenous student population. All are welcome to join and participate. TUNA organizes various cultural, social and recreational events throughout the year and provides a forum to discuss and deal with issues affecting Indigenous peoples. TUNA can be contacted by e-mail at tuna@trentu.ca. The TUNA office is located in First Peoples House of Learning, Enweyng 322.

TCSA Indigenous Issues Commissioner

This position is part of the Trent Central Student Association (TCSA), the University's student government. If you have questions or concerns you feel need to be addressed by the whole student community (Trent, Provincial or National), please contact the Commissioner through the TCSA website at www.trentcsa.ca.

Off-Campus Housing Service

Suite 110 – Blackburn Hall
Telephone: 705-748-1011, ext. 7128

E-mail: housing@trentu.ca
Web: www.trentu.ca/housing

The Off-Campus Housing service offers a variety of listings of accommodations in the Peterborough area, as well as copies of the Residential Tenancies Act and basic information on renting an apartment or house. Listings are posted regularly and can be viewed year-round on our website. Students are welcome to visit the Housing Office to view the listings, ask questions and/or pick up a map of the City of Peterborough. You can look at our website or e-mail us for more information.

Personal Counselling**PETERBOROUGH**

Trent Counselling Centre, Blackburn Hall, Suite 113
Telephone: 705-748-1386
Fax: 705-748-1137

E-mail: counselling@trentu.ca
Web: www.trentu.ca/counselling

OSHAWA

Trent Oshawa Thornton Road, Rm. 101
Telephone: 905-435-5102 ext 5054 Web: www.trentu.ca/oshawa/studentlife_services.php

Respecting the dignity and value of all people inclusive of age, gender, ethnicity, physical qualities, sexual identity and ability, confidential personal counselling is available to all students free of charge. Many students seek support for specific concerns related to anxiety, depression, grief, identity, and relationship challenges. Other students come to the Centre with less clearly defined difficulties such as low motivation, poor self-image/esteem, stress, loneliness and adjustment issues, all of which can seriously interfere with academic performance and emotional well-being. Through discussions and goal-setting, counsellors can help students to more fully understand themselves and their concerns, and to learn effective coping strategies. A few sessions of individual counselling are often sufficient to find a solution or at least to view the problem from a more manageable perspective. The opportunity to speak freely about one's concerns in a confidential and non-judgmental atmosphere can provide a source of comfort and relief. Referrals within Peterborough or Oshawa and the Durham region can be arranged as appropriate. Group therapy and workshops on selected topics are offered throughout the year. Limited psychiatric services are also provided. To register, call or drop by the applicable location.

Student Associations

Trent Central Student Association (the Central)

Local 71 – Canadian Federation of Students
Suite S110, Champlain College
Telephone: 705-748-1000
Fax: 705-748-1002

E-mail: info@trentcsa.ca
Website: www.trentcsa.ca

The Trent Central Student Association (the Central) is the student union that represents all full-time undergraduate and the full- and part-time Bachelor of Education students at Trent University in Peterborough.

The Central represents the interests of its members to all levels of government and university administration. As a founding member of the Canadian Federation of Students (CFS), the Central is committed to bringing about necessary educational, administrative and/or legislative changes in those areas affecting students.

In addition to its advocacy and lobbying efforts, the Central also provides a variety of services and events for its members including student advocacy, a Consignment Used Book Service, GO Ticket sales, a free student day planner, a free dry erase calendar, free International Student Identity Cards, a health and dental benefits plan, social events, concerts, guest speakers and more.

The Central is governed by a Board of Directors made up of representatives from each college cabinet, as well as an executive committee and equity commissioners elected annually from the membership at large. General elections are held each March, with the term in office beginning in April and lasting for a full twelve months.

The Central also supports and sponsors more than seventy student clubs, groups and societies on campus. The Association continually works to improve and expand the scope of its advocacy, activities and programs. Students are encouraged to communicate ideas and opinions to their elected representatives on the Central Board of Directors, to participate and become involved in the activities of the Association, and to exercise their voting and membership privileges.

JBC Part-Time Student Association (JBCSA)

All part-time students taking a course in Peterborough, regardless of their registered college, are represented by JBCSA, with an office located in Wallis Hall on Traill Campus in downtown Peterborough. For further information, contact the JBCSA Executive Director at 705-748-1380, jbcas@trentu.ca.

The Trent University in Oshawa Student Association

The Trent in Oshawa Student Association (TOSA) represents all full-time and part-time students of Trent University Oshawa. Created in 2010 to address the needs of a newly-expanded and growing Oshawa campus, the new Student Association provides a variety of services and events which reflect the interest and needs of Trent Oshawa students. TOSA also supports and sponsors student clubs and continually works to grow and expand the scope of its advocacy, activities and programs.

Student Health & Dental Benefit Plans

Trent Central Student Association Student Benefits Office
Champlain College, Room S110

Telephone: 705-748-1107
Fax: 705-748-1108

E-mail: benefits@trentcsa.ca
Website: www.trentcsa.ca

The Student Benefits Plan offers full-year health and dental coverage to all eligible students. The fee for the Student Benefits Plan is mandatory and is automatically billed to all eligible students at the same time as tuition, ancillary and other student fees. Eligible students are full-time undergraduate, and full- and part-time Bachelor of Education students.

Students are given an opportunity to waive (opt-out of) the Student Benefits Plan if they have existing health and/or dental coverage. In order to opt-out and be reimbursed the mandatory fee, eligible students must complete an opt-out form online (www.trentcsa.ca), before the advertised deadline. This deadline is firm and will be advertised each year on the Association's website, by e-mail, and in the Trent Central Student Association member handbook. Refund cheques for those students who have opted-out of the plan(s) will be available in early December each year at the

Student Benefits Office. Students wishing to opt-out need only do so once, provided there is neither an interruption in their studies nor a change in student status; opt-out status will carry forward year to year.

Students who have waived their benefits under the plan(s) can opt back in if they lose their alternative coverage. Students must opt-in to the plan(s) within thirty days of losing alternative coverage or during the opt-out/opt-in period in September. The Student Benefits Plan also offers students the option to add a spouse and/or dependents to their health and/or dental plan during the opt-out/opt-in period in September each year.

Students are encouraged to contact the Student Benefits Office or visit the website to learn more about the Benefits Plan options and confirm opt-out deadlines as soon as they arrive on campus; it is each student's responsibility to meet all deadlines associated with the Student Benefits Plans.

For reasons of personal information and privacy protection, the Trent Central Student Association Student Benefits Office can discuss information pertaining to an individual's status on the plan(s) only with the plan holder.

Student Health Services

PETERBOROUGH

Blackburn Hall, Rm. 111
Telephone: 705-748-1481
Fax: 705-748-1055

E-mail: healthservices@trentu.ca
Web: www.trentu.ca/healthservices

Hours: 9:00 am – 12:00 noon 1:30 – 4:00 pm Monday – Friday during the academic year.
Service is reduced in May and June and not available in July and August.

Student Health Services provides primary health care to all students. A full range of confidential medical services is available, including services related to the following: immunization, allergy injections, STI information/testing and counselling, Pap testing, physical exams, birth control, emergency contraception, health counselling, acute and chronic illness, dressings, medical referrals, pregnancy tests, and first aid.

All clinics require booked appointments. Please bring your student card. Ontario residents must have an Ontario Health Insurance Plan (OHIP) card. For students from another province, that province's health insurance is accepted as equivalent. According to new Ministry of Health regulations, health cards must be presented at every visit to Health Services, or any other medical facility. International students require University Health Insurance Plan (UHIP) coverage and should contact the Trent International Program for details. According to the School of Nursing's recommendations, BScN students must have their immunizations up to date prior to coming to Trent University.

OSHAWA

Telephone: 905-721-3037

Web: www.durhamcollege.ca/EN/main/places_to_go/places_to_get_healthy/campus_health_centre.php

All Trent University Oshawa students pay a compulsory fee which provides full access to the Campus Health Centre at Durham College (2000 Simcoe Street North). The Health Centre offers a range of services including appointments with medical practitioners, nutritionists, and chiropractic and massage therapists.

OFFICE OF RESEARCH

The Office of Research supports the university community in its mission to “advance learning through the creative interaction of teaching and research of the highest quality.” Responsible for achievement of Trent’s research goals and objectives, the Office of Research works in co-operation with other departments to implement the University’s strategic research plan. The Office of Research is responsible for the coordination and promotion of research and scholarship within the University.

In particular, the Office of Research works with local, regional, national and international members of the research community to promote and steward excellence and diversity in research, an emphasis on interdisciplinary research, open accountable research practices, the involvement of students in research, and the training of highly qualified personnel. The office is also responsible for the provision of resources to researchers.

Mailing Address

Trent University, 1600 West Bank Drive, Peterborough, Ontario K9J 7B8

Office Location

Suite 344, Gzowski College at Symons, 2151 East Bank Drive

Telephone: 705-748-1011 ext. 7050

Fax: 705-748-1587

E-mail: research@trentu.ca

Web: www.trentu.ca/research

Associate Vice-President Research

To be named

Coordinator, Office of Research

C. J. Smith, B.A. (Trent), M.Ed. (Toronto)

Research Project Officer (Pre Award)

C. Rigby, B.Sc., M.B.A. (Dalhousie)

Administrative Assistant

K. Mauro

RESEARCH CENTRES

Trent University has a number of interdisciplinary Research Centres which represent clusters of faculty and graduate students with shared research interests. These Centres foster academic discussions, support visiting speakers' series and workshops, and conduct collaborative research. In some cases, they are heavily involved in graduate student training, from the selection of graduate students into programs to the delivery of graduate courses and evaluation of theses. In other cases, they are not directly affiliated with particular graduate programs, although graduate students are involved in research within them. Overall, the Centres provide an exciting academic environment for graduate students and faculty at Trent. For further information on Research Centres check www.trentu.ca/research/about_centres.php.

Canadian Environmental Modelling Centre

Contact: **D. Ellis**, *Chemistry*, E-mail: davidellis@trentu.ca

The mission of the Canadian Environmental Modelling Centre (CEMC) is to contribute to improved management of chemicals in our environment, by acquiring and analysing appropriate data and developing, validating and disseminating mass balance models which describe the fate of chemicals in the environment. The objective of the CEMC is to understand and predict quantitatively the pathways of contaminant transport and the resulting exposure. When we can establish a quantitative link between sources, exposure and risk of effects, we are in a strong position to control sources to acceptably low levels, avoiding the problems of unacceptable contamination from excessive sources on the one hand, and uneconomic, unnecessary regulations on the other. Emphasis at the CEMC is placed on training undergraduate and graduate students in environmental science, on co-operation with the other faculty at Trent, and on providing research services relevant to current Canadian and International needs. The CEMC is a part of the larger, multi-university Canadian Environmental Modelling Network (CEMN) and actively collaborates with other researchers both nationally and internationally.

Centre for Health Studies

Contact: **D. Kennett**, *Psychology*, E-mail: dkennett@trentu.ca

The objectives of the Centre for Health Studies are to provide a focus for the different types of research conducted at Trent on various aspects of health, to foster greater communication among health researchers within and outside the university, and to facilitate the training of students (both graduate and undergraduate) for careers and research in health-related fields. The Centre sponsors an annual Health Studies Day in January open to faculty and students, as well to health-care workers and others in Peterborough community, whereby faculty and students present their research findings. The yearly *Showcase* publication provides a summary of these presentations, which can be attained at our website, www.trentu.ca/lhs.

Centre for the Study of Theory, Culture & Politics

Contact: **Director** (to be named), E-mail: theory@trentu.ca

The Centre for the Study of Theory, Culture & Politics encourages research and teaching guided by critical/theoretical orientations that have emerged from contemporary developments in the humanities and social sciences. These orientations test the limits of conventional disciplines and contribute to the study of the complex network of relations that links knowledge, culture and politics. The Centre is concerned with fostering substantive projects of research as well as fundamental reflection on conceptual and methodological issues. The Centre aims to integrate teaching and research, and to encourage the work of both emerging and established scholars. It promotes scholarly research and interchange through conferences, symposia, and speaker series as well as through specific research projects and publications. The M.A. Program in Theory, Culture and Politics is one of the Centre's projects, and the Ph.D. Program in Cultural Studies is affiliated with the Centre.

Frost Centre for Canadian Studies & Indigenous Studies

Contact: **J. Harrison**, *Director*, E-mail: fcddirector@trentu.ca

Established in 1982, the Frost Centre is named in honour of Leslie Frost, the first Chancellor of Trent University. The Centre fosters interdisciplinary research in Canadian Studies & Indigenous Studies at Trent. It administers two graduate programs: the M.A. in Canadian Studies & Indigenous Studies, and the Ph.D. in Canadian Studies (jointly administered with the School of Canadian Studies at Carleton University). The Frost Centre works closely with humanities, social science and other interdisciplinary departments and programs at Trent.

Institute for Watershed Science

Contact: **C. Metcalfe**, *Environmental & Resource Science/Studies*, E-mail: cmetcalfe@trentu.ca

The Institute for Watershed Science is a partnership between Trent University, Fleming College, and the Ontario Ministry of Natural Resources. Its goal is to further the understanding of physical and ecological processes governing watershed function and to develop and transfer this knowledge, associated methods, and tools to support water management decision making. The Institute fosters multi-disciplinary collaboration using the significant research expertise in watershed science of Trent University, extensive resource management and GIS (Geographical Information Systems) expertise of Fleming College, and the applied research, management and policy expertise of the provincial ministry. Complementing this partnership is collaboration with other government agencies, academic institutions, non-government organizations, and the private sector. The Institute is committed to the transfer of knowledge on watershed science to practitioners through publications, courses, workshops, and conferences.

James McLean Oliver Ecological Centre

Contact: **C. Metcalfe**, *Environmental & Resource Science/Studies*, E-mail: cmetcalfe@trentu.ca

The James McLean Oliver Ecological Centre is located on Pigeon Lake, 45 minutes north of Trent's main campus. The 270-acre waterfront property serves as an Ecological Field Station and is being established as a centre for long-term ecological and environmental research, in collaboration with other universities, government agencies, and local groups. Major areas of focus are on climate change, responses of ecosystems to pollutant stress, and nutrient dynamics and ecosystem changes in the Kawartha Lakes. The property contains a number of terrestrial and aquatic habitats with a rich diversity of flora and fauna. The Centre is being developed carefully with areas set aside for long-term research over periods of five, 10, 25 and 50 years.

Trent Centre for Materials Research

Contact: **A. J. Vreugdenhil**, *Chemistry*, E-mail: tcmr@trentu.ca

The Trent Centre for Materials Research fosters research at Trent leading to an improved understanding of the properties of materials of potential benefit to industry, and the training of highly qualified personnel in these areas. To do this, the Centre brings together Trent faculty with research interests in applied materials research, currently in the departments of Chemistry and Physics & Astronomy. Its goals are to improve communications and cross-fertilization of research among the faculty and their graduate students, develop research collaborations, and expose all of the participants to a broad spectrum of research, both experimental and theoretical, in the materials area. The Centre holds research seminars as part of, and in addition to, the weekly Physics/Chemistry seminar series. For more information, see www.trentu.ca/TCMR.

Trent Centre for the Critical Study of Global Power & Politics

Contact: **A. Pickel**, *Political Studies*, E-mail: apickel@trentu.ca

The Centre for the Critical Study of Global Power and Politics (CSGP) is the continuation of the Trent International Political Economy Centre (TIPEC) under a new name and with a new orientation. The Centre provides a focal point for faculty, students and external members, hosts speakers and events, holds workshops, and runs topical working groups. CSGP publishes scholarly papers, discussion papers, and political position papers on various dimensions of global power and politics. The Centre considers itself critical above all in the sense of "questioning the pretensions of organized power" (Harold Innis). It strongly encourages student participation in its various activities.

Trent University Archaeological Research Centre

Contact: **M. Munson**, *Anthropology*, E-mail: maritmunson@trentu.ca

The Trent University Archaeological Research Centre (TUARC) is dedicated to the investigation and understanding of past cultures through studies of material culture and environmental data, analysis of field, laboratory, and archival evidence, and the education of students and interested community members by courses, publications and lectures. TUARC is a unique research centre which manages academic and research facilities for professional archaeologists, researchers, graduate students, and volunteers in the Peterborough region. It sponsors workshops and special courses on archaeology. Research facilities include specialized laboratories for Human osteology, Mesoamerican archaeology, Ontario archaeology, Paleo-DNA studies, South American archaeology, GIS & remote sensing, and Zooarchaeology. TUARC assists with the publication of the findings of associated scholars, organizes public lectures on recent archaeological discoveries and advances, and maintains a resource room and library. TUARC also works closely with Trent's M.A. program in Anthropology, providing a forum for graduate students and professional archaeologists to meet and discuss current research in the discipline.

Water Quality Centre

Contact: **P. Dillon**, *Chemistry, Environmental & Resource Studies/Science*, E-mail: pdillon@trentu.ca

The mission of the Trent University Water Quality Centre is to develop new analytical approaches to emerging issues in water protection and analysis. The Centre develops and refines techniques to the point where they can be used by end users, including researchers, industries, government agencies and analytical service providers. The Centre is not a routine analytical laboratory; rather it provides new tools to partners and clients to allow them to deal with emerging issues in a timely and cost-effective fashion. In order to accomplish this, the Centre seeks to form strategic partnerships with individuals and groups from many industrial, governmental and NGO sectors.

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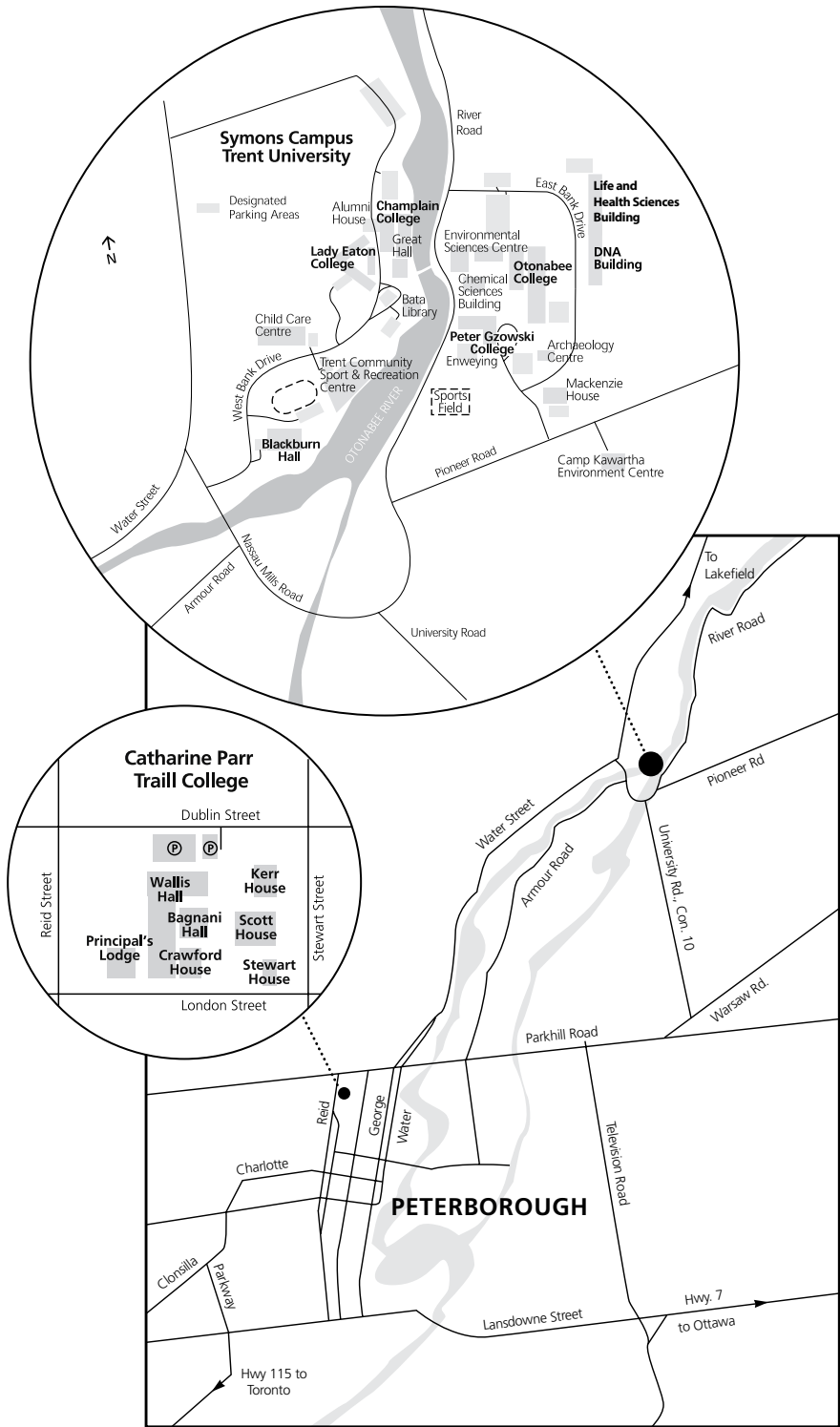
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