

012 2011-2012 2011-2012 2011-2012 2011-2012 2011-2012 2011-2012 2011-2012 2011-2012 2011-2012

2011-2012

gender & environment • urban planning • ecocriticism • sustainability • refugee & migration studies • social policy • neotropical conservation
environmental education • green business models • militarism • aquatic biology • development studies • new social movements
advocacy & social **change** • environmental design • Geographic Information Systems (GIS) • ecofeminist politics • conservation ecology • gentrification
narratives & oral traditions • non-profit sectors • health & environment • community art • environmental literature
feminist theory • natural disasters • animal consciousness • popular culture • food security • consumerism
urban symbolism • indigenous knowledge • environmental thought & ethics • landscape design • environmental economics

faculty of
environmental
studies



undergraduate handbook

2011-2012



redefine THE POSSIBLE.

Office of Student & Academic Services

Room 137, Health, Nursing and Environmental Studies Building (HNES)
Tel: 416-736-5252
Fax: 416-736-5679

Josephine C. Zeeman
Director Student & Academic Services
416-736-2100 ext. 66453
josecamp@yorku.ca

Sharrieffa Sattaur
Administrative and Records Assistant
416-736-2100 ext. 30397
ssattaur@yorku.ca

Ann Tsirgielis
Undergraduate Program Adviser
416-736-2100 ext. 33510
anntsir@yorku.ca

OSAS Assistant
416-736-2100 ext. 55286
osasinfo@yorku.ca

Dr. Ilan Kapoor
Undergraduate Program Director ext.22617
ikapoor@yorku.ca (until June 30, 2011)

Dr. Gail Fraser
Undergraduate Program Director ext.22617
gsfraser@yorku.ca (effective July 01, 2011)

Important Notice/Disclaimer

This handbook is intended to assist readers to understand the academic and administrative structure and policies and procedures of the Faculty, and to describe the courses and academic options offered. Students are responsible for familiarizing themselves with the general information, rules and regulations contained in this handbook, and with the specific information, rules and regulations of the faculty or faculties in which they are registered or enrolled. They must also familiarize themselves with the specific requirements of each degree, diploma or certificate sought. Students are responsible to ensure that the courses they choose are appropriate to the program requirements.

Not every course listed in the handbook will necessarily be offered in any academic year. The Faculty of Environmental Studies reserves the right to limit the number of students who enrol in any program or course.

By the act of registration each student becomes bound by the policies and regulations of York University, including the faculty in which he or she is registered.

Undergraduate Handbook 2011/2012 TABLE OF CONTENTS

- 2 **Preliminaries**
 - 2 Enrolment and Registration Guide Information
 - 3 Contact list
- 4 **BES Program**
 - 4 Vision Statement and Expected Learning Outcomes
 - 4 BES Program Structure
 - 6 Areas of Concentration
 - 10 Honours BES Degree Course Requirements (120 credits)
 - 11 Honours Degree Checklist
 - 12 Honours Degree Checklist - Environmental Management
 - 13 BES Degree Course Requirements (90 credits)
 - 14 Degree Checklist
 - 15 Degree Checklist - Environmental Management
 - 16 Honours Double Major, Honours Major/Minor, Concurrent Education Program
- 19 **BES Certificate Programs**
 - 19 GIS & Remote Sensing
 - 20 Community Arts Practice (CAP)
 - 22 Refugee & Migration Studies
 - 23 Urban Ecologies
- 24 **BES Joint Programs**
 - 25 York-Humber Joint Program in International Development Management Studies
 - 26 York-Seneca Urban Sustainability
 - 27 York-Sir Sandford Fleming Ecosystem Management
- 28 **BES Advising and Progress**
 - 28 Requirements for Visiting Students
 - 29 BES Honours Degree
 - 30 BES Degree
 - 30 Academic Honours
 - 31 FES Policy on Student Work
 - 31 BES Term Work, Tests and Examinations
 - 32 General Regulations for Tests and Examinations
 - 32 Grading Scheme and Academic Feedback
 - 36 Grading in the BES Program
 - 37 Academic Penalties
- 39 **BES Courses**
- 50 **Faculty Members**
- 57 **Awards & Support Services**
 - 57 Financial Awards
 - 58 Student Services and Organizations
 - 59 College Affiliation
 - 60 Student Support Services

Preliminaries

Enrolment and Registration Guide Information

Students enrolling in courses for any academic session must read and adhere to the information available in the enrolment guide. The enrolment guide is accessible on the York University Current Students Web site at www.yorku.ca/yorkweb/cs

By the act of registration each student becomes bound by the policies and regulations of York University, including the Faculty in which the student is registered. Students are responsible for familiarizing themselves with the general information, rules and regulations contained in the Undergraduate Calendar pertaining to their program of study, and with the specific information, rules and regulations of the Faculty or Faculties in which they are registered or enrolled or seek registration or enrolment, as well as the specific requirements of each degree, diploma or certificate sought. It is the student's responsibility to ensure that the courses chosen are appropriate to the program requirements. Below is a "snap shot" of the enrolment guide page and the types of information that are available to students.

REGISTRARIAL SERVICES: REGISTRAR'S OFFICE AND STUDENT FINANCIAL SERVICES

Enrolment and Registration Guide

The following information applies to undergraduate course enrolments. Other enrolment guides:

- [Graduate Studies Registration Guide](#)
- [Osgoode Hall Law School](#)
- [Schulich School of Business Course & Schedule Information](#)



1. Before You Enrol: Important Information

[Disclaimer](#)
[Passport York](#)
[Enrolment reminders](#)
[YU-card](#)
[International student information](#)



2. Planning for Enrolment

[Undergraduate Calendars](#)
[Important dates](#)
[Search Course Timetables](#)
[Find out when you can enrol](#)
[Course and program fees](#)



3. Enrol Online and Register

[How to enrol](#)
[Enrol online](#) (add, drop and transfer courses)
[Register by paying your enrolment deposit](#)



4. Now That You Have Registered, Next Steps

[Additional student fees](#)
[Paying your student account](#)
[Your Student Account Online Statement](#)
[Enrolment verification and RESP letters](#)
[Refund tables](#)
[Print your class schedule](#)
[List all your courses and grades](#)
[Government Financial Aid](#)
[Scholarships, awards and bursaries](#)

CONTACT LIST

Admissions	http://futurestudents.yorku.ca	416-736-5000
Bookstore	http://www.bookstore.yorku.ca	
	Keele Campus	416-736-5024
	Glendon Campus	416-487-6702
Career Centre	http://www.yorku.ca/careers	416-736-5351
Childcare Centres		
Lee Wiggins Childcare Centre	http://www.yorku.ca/children	416-736-5959
York Daycare	http://www.yorku.ca/daycare	416-736-5190
Computing and Network Services	http://www.yorku.ca/computing/students/helpdesk@yorku.ca	416-736-5800
Convocation Office	http://www.yorku.ca/mygraduation/	416-736-5325
Counselling and Development Centre	http://www.yorku.ca/cdc	416-736-5297
Centre for Distance Education (Atkinson)	http://www.atkinson.yorku.ca/CDE/ e-mail akcde@yorku.ca	416-736-5831
Education Office of Student Programs	http://www.edu.yorku.ca	416-736-5002
Environmental Studies, Office of Student Academic Services	http://www.yorku.ca/fes	416-736-5252
Fine Arts Student and Academic Services	http://www.yorku.ca/finearts	416-736-5135
Glendon Office of Student Programs	http://www.glendon.yorku.ca	416-487-6710
Housing		
Off Campus	http://www.yorku.ca/scld/offcampushousing/	416-736-5144
On Campus	http://www.yorku.ca/stuhouse/	416-736-5152
Libraries	http://www.library.yorku.ca	
	Frost –Glendon	416-487-6726
	Law –Osgoode	416-736-5205
	Scott – Main	416-736-5150
	Steacie - Science and Engineering	416-736-5084
LA&PS Office of Continuing Studies	http://www.yorku.ca/laps/	416-736-5222
Office for Persons with Disabilities	http://www.yorku.ca/opd/	416-736-5140
Osgoode Hall Law School	http://www.osgoode.yorku.ca	416-736-5030
Parking	http://www.yorku.ca/parking/	416-736-5335
Registrar’s Office	http://www.registrar.yorku.ca	416-736-5440 Fax 416-736-5444
Schulich School of Business Student Affairs	http://www.schulich.yorku.ca	416-736-5060
Science and Engineering, Academic Services	http://www.science.yorku.ca	416-736-5085
Student Client Services		416-872-9675
Student Community and Leadership Development	http://www.yorku.ca/scld/	416-736-5144
Student Financial Services (SFS)	http://sfs.yorku.ca/	416-872-9675 Fax 416-736-5386
Web Registration and Enrolment System	http://www.yorku.ca/yorkweb/cs.htm	Helpline: 416-736-5440
York International	http://international.yorku.ca e-mail: yiinfo@yorku.ca	416-736-5177 Fax 416-736-5176
YFS Health Plan	http://www.yfs.ca/ e-mail yfshp@yorku.ca	416-736-5324

Bachelor in Environmental Studies (BES) Program

Vision Statement and Expected Learning Outcomes

Vision Statement

The Bachelor in Environmental Studies (BES) program provides a well-rounded, interdisciplinary education in various fields relating to natural, built, and social environments. The program is designed to equip students with the knowledge, critical understanding, and capacity to deal effectively and sensitively with complex environmental and social challenges arising at the local, regional, national and/or global scale.

The BES program introduces students to the relationships between the exploitation of the natural world and justice issues. Aware of the growing interdependencies of human and natural life in a globalized world, the Faculty of Environmental Studies (FES) believes that non-Western and Indigenous perspectives are essential to a fruitful discussion of environmental issues. To that end, faculty members strive to include a broad range of perspectives in their course offerings.

BES Program Structure

The Faculty of Environmental Studies (FES) offers both the BES Specialized Honours Program (120 credits) and the BES Program (90 credits). Environmental studies at FES is a combination of core courses and four distinct academic and professional **Areas of Concentration**:

- Environment and Culture: Philosophy, Arts, Technology and Education;
- Urban and Regional Environments: Analysis, Planning and Design;
- Environmental Politics: Development, Globalization and Justice; and
- Environmental Management: Policy, Resources and Conservation.

BES Degree: Expected Learning Outcomes

The BES program is committed to preparing students to take action on critical environmental issues. Students are encouraged to explore alternatives, strategies, and action related to social and environmental change. Specific learning outcomes include:

- The ability to identify and situate complex environmental issues with a critical interdisciplinary perspective;
- The ability to understand, diagnose and engage with complex environmental topics, especially within the Area of Concentration chosen;
- The skills to tackle complex environmental issues, including key research methodologies, analytical tools and essential communication approaches; and
- The ability to engage effectively in society on pressing environmental challenges.

Progress through the BES Program

The BES program offers a set of core foundation courses, one in each Area of Concentration, as well as elective courses relating to natural, built, or social environments. Faculty members come from a wide range of backgrounds including political science, ecology, planning, philosophy, sociology, geography, economics, education, architecture, and anthropology. All share a commitment to exploring the complex questions and solutions to the human and environmental challenges facing the world. This approach provides flexibility and choice allowing students to combine many areas of interest.

In the first two years of the program, students take required courses that introduce them to the wide range of ideas in Environmental Studies while building critical academic and practical knowledge, including research, writing, analytical and communication skills. During the latter half of the first year, students begin to explore the Areas of Concentration within the BES program they will situate themselves within. In the second year, students choose at least two foundation courses, one of which is associated with the Area of Concentration which they wish to pursue in more detail in subsequent years in the BES program. A specific set of courses is associated with each Area of Concentration. The course selections within a given Area of Concentration are designed to give structure and focus to a student's program. The Area of Concentration provides in-depth knowledge related to the focal topics. The majority of courses are selected on the basis of individual preferences. The course selection process is supported by regular one-on-one consultation with the BES program Adviser.

BES Degree: Faculty Commitments

The Faculty of Environmental Studies commits to provide an intellectually challenging and safe environment for all its students. Specific provisions include:

- a challenging theoretical and practical intellectual learning environment;
- a wide range of courses covering the humanities, social sciences and environmental sciences;
- instructors with expertise in a wide range of fields;
- one-on-one advising;
- opportunities to develop both specific skills and in-depth learning;
- an outlook that includes local and global, historical and contemporary, and philosophical and applied questions;
- a commitment to justice issues related to ability, age, class, gender, race and sexual orientation;
- the knowledge and skills needed for graduate studies and/or environmental careers (e.g. community arts, environmental education, urban planning, environmental policy, human/gender rights, international development policy, environmental conservation and environmental management).

BES PROGRAM AREAS OF CONCENTRATION

The BES Program's four Areas of Concentration reflect FES' broad understanding of environmental studies. Their coherence is established by scholarly, professional, and pragmatic considerations. Students use these Areas of Concentration to help define their own path through the program.

***Environment and Culture:
Arts, Philosophy, & Technology and Education***

This area focuses on the conceptual, historical and cultural roots of human/nature relations and on diverse ways of understanding, expressing and engaging these relations through environmental arts, education, literature, philosophy and other cultural and technological interventions.

Sample topics include: environmental ethics and philosophy; environmental and sustainability education; environment, media and communication; human and other animal relations; science, technology and the environment; environmental literatures; community arts.

Required course:

ENVS 2100 6.0 Foundations in Environment and Culture: Philosophy, Arts, Technology and Education (formerly ENVS 2100 3.0)

9 credits at the 3000 level from the following list:

ENVS 3000 3.0 Environmental Ethics and Epistemology (formerly Environmental Ethics)
 ENVS 3120 3.0 Environmental History
 ENVS 3122 3.0 Community Arts Practice Preparatory Workshop (Prerequisite: ENVS 2122 3.0)
 ENVS 3125 3.0 Popular Education for Environmental and Social Justice
 ENVS 3140 3.0 Environmental and Sustainability Education (formerly Environmental Education)
 ENVS 3150 3.0 Human/Non-Human Animal Relations
 ENVS 3151 3.0 Environmental Politics and Advocacy I
 ENVS 3160 3.0 Race/Racism and Environmental Justice
 ENVS 3170 3.0 Indigenous Environmental Thought
 ENVS 3320 3.0 Sex, Gender, Nature: Ecofeminist Perspectives
 ENVS 3450 3.0 Environment and Health: Social and Political Dimensions
 ENVS 3800D 3.0 Environmental Perspectives on Canadian Consumer Society
 ENVS 3800P 3.0 Water: History, Culture, Politics

9 credits at the 4000 level from the following list:

ENVS 4011 3.0 Food, Land, and Culture
 ENVS 4100 3.0 Environmental Literatures
 ENVS 4120 3.0 Natural History
 ENVS 4122 6.0 Community Arts Practice Practicum Seminar
 ENVS 4140 3.0 Environmental Thought
 ENVS 4161 3.0 Social Movements, Activism and Social Change
 ENVS 4205 3.0 HIV and Globalization
 ENVS 4215 3.0 Globalization and Indigenous Peoples
 ENVS 4320 3.0 Gender & Development
 ENVS 4420 3.0 Environment, Media, Culture and Communication
 ENVS 4421 3.0 Environmental Law & Justice: Stories and Struggles
 ENVS 4750 3.0 Political Ecology of Landscape

NOTE 1: ENVS 3900 and/or 4900 Directed Reading Study Courses do not fulfill the Area of Concentration requirements, unless prior approval is received by the undergraduate program director.

NOTE 2: The courses listed under the Areas of Concentration has been revised and updated from the 2010-2011 academic year.

Urban and Regional Environments: Analysis, Planning and Design

This Area of Concentration focuses on the interrelationships of the ecological, social, built and organizational environments within the urban and regional setting. It is the intention of this area to provide a critical understanding of urban and regional environments incorporated at different scales of build environments, spanning site-specific to global perspectives. By doing this, students will attain a thorough knowledge of the alternative and transformative-based theories, histories and current issues of urbanization and regionalization and their effect on environments, but also learn practical methods of analysis and intervention in different human settlements.

Sample Topics include: migration and settlement; urbanization and the urban process; environmental design/landscape design; urban sustainability; urban governance and regulation; global cities and global urbanization; urban social and environmental movements; urban and regional planning; healthy and sustainable community development; urban social relations (class, race, gender); Native/Canadian relations.

Required course:

ENVS 2200 6.0 Foundations of Urban and Regional Environments (formerly ENVS 2200 3.0)

9 credits at the 3000 level from the following list:

ENVS 3151 3.0 Environmental Politics and Advocacy I
ENVS 3222 3.0 Urban Infrastructure
ENVS 3225 3.0 Regional Governance
ENVS 3226 3.0 Sustainable Urbanism: Environmental Planning and Design
ENVS 3227 3.0 Urban Planning and Practice in the Global South
ENVS 3230 3.0 Restoration Ecology
ENVS 3520 3.0 Applications of Geographical Information Systems in Environmental Studies
ENVS 3710 3.0 Landscape Ecology
ENVS 3740 3.0 Urban Ecology
ENVS 3760 3.0 Plant Ecology
ENVS 3800D 3.0 Environmental Perspectives on Canadian Consumer Society
ENVS 3800P 3.0 Water: History, Culture, Politics

9 credits at the 4000 level from the following list:

ENVS 4210 3.0 Global Populations: Critical Environmental Perspectives
ENVS 4220 3.0 Urbanization in Developing Countries
ENVS 4223 3.0 Global Cities
ENVS 4225 3.0 Urban Sustainability I
ENVS 4230 6.0 Design for Sustainability Workshop
ENVS 4421 3.0 Environmental Law and Justice
ENVS 4440 3.0 Environmental Disasters
ENVS 4442 3.0 Environmental Auditing
ENVS 4520 3.0 Geographical Information Systems Applications in Environmental Studies
ENVS 4700 3.0 Urban Ecologies Workshop
ENVS 4750 3.0 Political Ecology of Landscape
ENVS 4800Q 3.0 Urban Development Processes

NOTE 1: ENVS 3900 and/or 4900 Directed Reading / Study courses do not fulfill the Area of Concentration requirements, unless prior approval is received by the undergraduate program director

NOTE 2: The courses listed under the Areas of Concentration has been revised and updated from the 2010-2011 academic year.

Environmental Politics: Development, Globalization and Justice

Communities and environments are being dramatically transformed by the globalization of economies and cultures. This area is concerned with the analysis of these forces and possible responses to them at local, regional, national and international levels. It involves exploring competing approaches to development, politics and justice that are being formulated and put into practice by a variety of social groups, communities, NGOs, governments, corporations and international organizations.

Sample Topics include: economic globalization; international development; sustainable development; gender and development; human rights and refugee studies; climate change; green international business; culture and global media.

Required course:

ENVS 2300 6.0 Foundations of Environmental Politics: Development, Globalization and Justice (formerly ENVS 2300 3.0)

9 credits at the 3000 level from the following list:

ENVS 3151 3.0 Environmental Politics and Advocacy I
 ENVS 3160 3.0 Race/Racism and Environmental Justice
 ENVS 3340 3.0 Global Environmental Politics
 ENVS 3410 3.0 Environmental Policy I
 ENVS 3420 3.0 Environmental Law
 ENVS 3450 3.0 Environment and Health: Social and Political Dimensions
 ENVS 3510 3.0 Environmental Economics
 ENVS 3800D 3.0 Environmental Perspectives on Canadian Consumer Society
 ENVS 3800P 3.0 Water: History, Culture, Politics

9 credits at the 4000 level from the following list:

ENVS 4011 3.0 Food, Land and Culture
 ENVS 4161 3.0 Social Movements, Activism and Social Change
 ENVS 4205 3.0 HIV and Globalization
 ENVS 4210 3.0 Global Populations: Critical Environmental Perspectives
 ENVS 4215 3.0 Globalization and Indigenous Peoples
 ENVS 4220 3.0 Urbanization in Developing Countries
 ENVS 4223 3.0 Global Cities
 ENVS 4312 3.0 Global Justice and Humanitarian Internationalism (formerly ENVS 4311 3.0 Global Justice and the Environment)
 ENVS 4315 3.0 Humanitarian Crises and Action
 ENVS 4320 3.0 Gender & Development
 ENVS 4410 3.0 Environmental Policy II
 ENVS 4421 3.0 Environmental Law & Justice: Stories and Struggles
 ENVS 4440 3.0 Environmental Disasters
 ENVS 4510 3.0 Ecological Economics
 ENVS 4750 3.0 Political Ecology of Landscape

NOTE 1: ENVS 3900 and/or 4900 Directed Reading Study courses do not fulfill the Area of Concentration requirements, unless prior approval is received by the undergraduate program director.

NOTE 2: The courses listed under the Areas of Concentration has been revised and updated from the 2010-2011 academic year.

Environmental Management: Policy, Resources and Conservation:

This area examines the origins and nature of environmental challenges facing society and explores ways of addressing these challenges through scientific, socio-economic and policy approaches. It is concerned with existing and emerging strategies for both preventing and managing the impacts of human activities on the natural world, but with critical perspectives on the effectiveness of these strategies and encouragement to think and act creatively. It provides concepts, knowledge, and skills needed to be effectively engage in a variety of environmental issues in government , business or not-for-profit sectors.

Sample Topics include: ecology and conservation; environmental assessment; resource management; environmental monitoring and auditing; energy and the environment; environment and health.

Required courses:

ENVS 2400 6.0	Foundations of Environmental Management: Policy, Resources and Conservation (formerly ENVS 2400 3.0)
ENVS 2410 3.0	The Science of Pollution: Impacts on the Environment and Human Health
ENVS 2420 3.0	Ecology and Conservation Science
ENVS 2009 3.0	Quantitative Methods (formerly ENVS 3009 3.0)
ENVS 3010 3.0	Qualitative Methods

9 credits at the 4000 level from the following list:

ENVS 4041 6.0	Alternative Economics Firms & Arrangements
ENVS 4110 3.0	Conservation Biology
ENVS 4111 3.0	Biodiversity
ENVS 4230 6.0	Design for Sustainability Workshop
ENVS 4400 3.0	Fundamentals of Renewable Energy
ENVS 4401 3.0	Fundamentals of Energy Efficiency
ENVS 4402 3.0	Climate Change Mitigation (formerly ENVS 4455 3.0)
ENVS 4410 3.0	Environmental Policy II
ENVS 4421 3.0	Environmental Law & Justice: Stories and Struggles
ENVS 4430 3.0	Impact Assessment Processes and Practice
ENVS 4440 3.0	Environmental Disasters
ENVS 4442 3.0	Environmental Auditing
ENVS 4446 3.0	Protected Area Management
ENVS 4447 3.0	Northern Ecosystems
ENVS 4510 3.0	Ecological Economics (formerly Environmental Economics II)
ENVS 4520 3.0	Geographical Information Systems Applications in Environmental Studies
ENVS 4521 3.0	Remote Sensing and Image Processing for Geographical Analysis and Environmental Monitoring
ENVS 4523 3.0	Systems Thinking in Environmental Studies
ENVS 4810A 6.0	International Field Experience: Costa Rica

9 credits at the 3000 level from the following list:

ENVS 3110 3.0	Scientific Knowledge and Environmental issues
ENVS 3130 3.0	Energy and Environment
ENVS 3230 3.0	Ecological Restoration
ENVS 3310 3.0	Tropical Conservation and Sustainable Development
ENVS 3400 3.0	Introduction to Climate Change Science and Policy
ENVS 3410 3.0	Environmental Policy I
ENVS 3420 3.0	Environmental Law
ENVS 3430 3.0	Environmental Assessment
ENVS 3440 3.0	Resource Management
ENVS 3450 3.0	Environment and Health: Social and Political Dimensions
ENVS 3505 3.0	Business and Sustainability
ENVS 3510 3.0	Environmental Economics
ENVS 3520 3.0	Applications of Geographic Information Systems in Environmental Studies
ENVS 3521 3.0	Environmental Remote Sensing
ENVS 3800D 3.0	Environmental Perspectives on Canadian Consumer Society
ENVS 3800P 3.0	Water: History, Culture, Politics

NOTE 1: ENVS 3900 and/or 4900 Directed Reading / Study courses do not fulfill the Area of Concentration requirements, unless prior approval is received by the undergraduate program director.

NOTE 2: The courses listed under the Areas of Concentration has been revised and updated from the 2010-2011 academic year.

Honours BES Degree Course Requirements (120 credits)

Students must pass courses worth a minimum of 120 credits in order to graduate with the BES Specialized Honours Degree. At least 60 credits and a maximum of 90 credits shall be Environmental Studies courses. **An overall grade point average of at least 5.0 (C+) must be achieved in order to graduate.**

Students choose their courses in the Honours BES program according to the following requirements:

Required General Education (12 credits):

Following York's philosophy of undergraduate education, BES students are required to study in humanities and the natural sciences.

Humanities Requirement:

The BES humanities requirement can be satisfied by taking ENV5 1800 6.0 or a 1000- level course (at least 6 credits) from the following Classical Studies, English; French Studies; History, Humanities, Languages, Literature and Linguistics; or Philosophy.

Science Requirement:

The science requirement is met by taking ENV5 1500 6.0 Introduction to Science for Environmental Studies or a first year (6 credit) Biology, Chemistry or Physics course from the Faculty of Science and Engineering.

Note: Students who declared Environmental Management as their Area of Concentration are required to take either ENV5 1500 6.0 or Biology 1010 6.0 to fulfill their Science Requirement.

Required Core Environmental Studies Courses (18 credits):

ENV5 1000 6.0	Earth in Our Hands (formerly Perspectives in Environmental Studies)
ENV5 1200 6.0	Taking Action: Engaging People and the Environment
ENV5 2009 3.0	Quantitative Methods in Environmental Studies (formerly ENV5 3009 3.0) OR
ENV5 3010 3.0	Qualitative Methods in Environmental Studies
ENV5 3011 3.0 *	Introduction to Senior Honours Work

***NOTE:** (i) Students choosing the course-based options (CBO) will not be required to enrol in ENV5 3011 3.0 or ENV5 4000 6.0. However, students must select alternative courses in their declared Area of Concentration to replace the requirements. Those who have already completed ENV5 3011 3.0 are not under any obligation to complete ENV5 4000 6.0 and can still opt for the CBO.

(ii) Students enrolled in the Environmental Management Area of Concentration are required to take ENV5 2410 3.0, ENV5 2420 3.0, ENV5 2009 3.0/3009 3.0 and 3010 3.0.

Area of Concentration Requirement (at least 12 credits):

ENV5 2100 6.0	Foundations in Environment and Culture: Philosophy, Arts, Technology and Education
ENV5 2200 6.0	Foundations of Urban and Regional Environments: Analysis, Planning and Design
ENV5 2300 6.0	Foundations of Environmental Politics: Development, Globalization and Justice
ENV5 2400 6.0	Foundations of Environmental Management: Policy, Resources and Conservation

Faculty Requirement (27 credits):

A minimum of 27 credits at the 3000 level and 4000 level in Environmental Studies (ENV5) courses in addition to the above. Of these, at least 9 credits must be at the 3000 level in the declared Area of Concentration and at least 9 credits must be at the 4000 level in the declared Area of Concentration. The remaining 9 credits will be satisfied by taking ENV5 4000 6.0 and one other three-credit course at the 4000 level. For the course-based option students need to take two 3-credit 4000-level courses in their Area of Concentration to replace ENV5 4000 6.0.

Out-of-Faculty Requirements (24 credits outside student's Area of Concentration):

In addition to the general education requirements, students must take 24 credits outside of the Faculty. These courses are selected based on student's interest and/or other combination program requirements outside the BES program.

Free Electives:

Students must take up to 27 credits from any undergraduate program (including FES). These courses are selected based on student's interest and/or other combination program requirements outside the BES program.

***Course Based Option (CBO): Students requesting the CBO are not required to enroll in ENV5 3011 3.0. and ENV5 4000 6.0, however, both of these courses must be replaced with courses from their Area of Concentration beyond the Faculty Requirement.**

BES Honours Program Checklist	Environmental Culture / Environmental Politics / Urban and Regional Environments
--------------------------------------	---

Student: _____ **Student #:** _____ **Email:** _____ @yorku.ca

PROGRAM CORE REQUIREMENTS		Total	completed/ in progress	to do
All BES students are required to take the Core Environmental Studies Courses	ENVS 1000 6.0 Earth in Our Hands	6		
	ENVS 1200 6.0 Taking Action	6		
	ENVS 2009 3.0 / 3009 3.0 Quantitative Methods <input type="checkbox"/> or ENVS 3010 3.0 Qualitative Methods <input type="checkbox"/>	3		
	ENVS 3011 3.0 Intro. to Senior Honours Work <input type="checkbox"/> or ENVS 3____ 3.0 Course Base Option (CBO)	3		
		18		
➡ Please pick one of the above				

GENERAL EDUCATION REQUIREMENTS (minimum 12 credits)		Total	completed/ in progress	to do
Science Requirement (ENVS 1500 6.0 or equivalent)		6		
Humanities Requirement (ENVS 1800 6.0 or equivalent)		6		
		12		

AREA OF CONCENTRATION REQUIREMENTS		Total	completed/ in progress	to do
BES Students are required to take a minimum of two foundations courses.	ENVS 2_____	6		
	ENVS 2_____	6		
		12		

➡ Please indicate your selected Area of Concentration:

FACULTY REQUIREMENTS (Area of Concentration Courses)		Total	completed/ in progress	to do
27 credits of ENVS courses at 3000 and 4000 level. You must select 9.0 credits at the 3000-level and 9.0 credits at the 4000-level from the Area of Concentration list (See BES Supplemental Calendar).	ENVS 3_____	3		
	ENVS 3_____	3		
	ENVS 3_____	3		
	ENVS 4_____	3		
	ENVS 4_____	3		
	ENVS 4_____	3		
	ENVS 4_____	3		
	ENVS 4000 6.0 Thesis <input type="checkbox"/> or ENVS 4____ 3.0 (CBO) / ENVS 4____ 3.0 (CBO)	6		
➡ Please pick one of the above, if choosing ENVS 4000 level courses please indicate which ones.		27		

OUT-OF-FACULTY REQUIREMENTS (must be taken outside FES)		Total	completed/ in progress	to do
In addition to the General Education Requirements, BES Students are required to take a minimum of 24 credits outside the Faculty of Environmental Studies.				
		24		

FREE ELECTIVES (courses can be taken either in FES or outside at any level)		Total	completed/ in progress	to do
The remainder of your credits can be taken from any faculty (including FES).				
		27		

➡ Total Credits	Total Credits	120		
------------------------	----------------------	------------	--	--

To graduate you need 120 credits. In some cases, students may be required to take more than 120 credits in order to meet their degree program requirements.

Please note that you must meet your Area of Concentration Requirements and 4000-level requirements. For details see the most recent Undergraduate Handbook. Students are required to take a minimum of 18 credits at the 4000-level; and 15 of those credits must be ENVS courses.

Student Signature: _____ **Date:** _____

BES Honours Program Checklist	Environmental Management
--------------------------------------	---------------------------------

Student: _____ Student #: _____ Email: _____ @yorku.ca

PROGRAM CORE REQUIREMENTS		Total	completed/ in progress	to do
All BES students are required to take the Core Environmental Studies Courses.	ENVS 1000 6.0 Earth in Our Hands	6		
	ENVS 1200 6.0 Taking Action	6		
	ENVS 2009 3.0 / 3009 3.0 Quantitative Methods	3		
	ENVS 2410 3.0 The Science of Pollution	3		
	ENVS 2420 3.0 Ecology and Conservation Science	3		
	ENVS 3011 3.0 Intro. to Senior Honours Work <input type="checkbox"/> or ENVS 3____ 3.0 Course Base Option (CBO) <input type="checkbox"/>	3		
		24		

⇒ Please pick one of the above

GENERAL EDUCATION REQUIREMENTS (minimum 12 credits)		Total	completed/ in progress	to do
Science Requirement (ENVS 1500 6.0 or equivalent)		6		
Humanities Requirement (ENVS 1800 or equivalent)		6 (or 9)		
		12 (or 15)		

AREA OF CONCENTRATION REQUIREMENTS		Total	completed/ in progress	to do
BES Students are required to take a minimum of two foundations courses.	ENVS 2400 6.0 Foundations of Environmental Management	6		
	Second Foundations Course: ENVS 2_____	6		
		12		

FACULTY REQUIREMENTS (Area of Concentration Courses)		Total	completed/ in progress	to do
27 credits of ENVS courses at 3000 or 4000 level. 9 3000-level and 9 4000-level courses must be selected from the Area of Concentration list (See BES Supplemental Calendar).	ENVS 3_____	3		
	ENVS 3_____	3		
	ENVS 3_____	3		
	ENVS 4_____	3		
	ENVS 4_____	3		
	ENVS 4_____	3		
	ENVS 3010 3.0 Qualitative Methods	3		
	ENVS 4000 6.0 <input type="checkbox"/> or ENVS 4____ 3.0 (CBO)	6		
	ENVS 4____ 3.0 (CBO)	6		
		27		

⇒ Please pick one of the above, if choosing CBO please identify ENVS courses

OUT-OF-FACULTY REQUIREMENTS (must be taken outside FES)		Total	completed/ in progress	to do
In addition to the General Education Requirements, BES Students are required to take a minimum of 24 credits outside the Faculty of Environmental Studies.				
		24		

FREE ELECTIVES (courses can be taken either in FES or outside at any level)		Total	completed/ in progress	to do
The remainder of your credits can be taken from any faculty (including FES).	Complete 3 credits at 4000 level (please see below ✦)			
		21 (or 18)		

⇒ Total Credits	Total Credits	120		
-----------------	---------------	------------	--	--

To graduate you need 120 credits. In some cases, students may be required to take more than 120 credits in order to meet their degree program requirements.

Please note that you must meet your Area of Concentration Requirements and 4000-level requirements. For details, please refer to the most recent Undergraduate Handbook.

Students are required to take a minimum of 18 credits at the 4000-level; and 15 of those credits must be ENVS courses. ✦✦✦

Student Signature: _____ Date: _____

BES Degree Course Requirements (90 Credits)

Students will automatically be placed in the 90-credit Bachelor's program if they do not achieve or maintain the minimum grade requirements for the Specialized Honours degree program. Students who are registered for a Specialized Honours degree may choose to graduate with a 90-credit BES if they fulfill that program's requirements. ***In order to graduate with a BES degree, a student must successfully complete a minimum of 90 credits and achieve the required minimum grade point average (g.p.a) of 4.0 (C), including the requirements outlined below:***

Required General Education (at least 12 credits):

Following York's philosophy of undergraduate education, BES students are required to study in humanities and the natural sciences.

Humanities Requirement:

The BES humanities requirement can be satisfied by taking ENVS 1800 6.0 or a 1000-level course (at least 6 credits) from the following: Classical Studies; English; French Studies; History; Humanities; Languages, Literature and Linguistics; or Philosophy.

Science Requirement:

The science requirement is met by taking ENVS 1500 6.0 Introduction to Science for Environmental Studies or a first year (6 credit) Biology, Chemistry or Physics course from the Faculty of Science and Engineering.

NOTE: Students who declared Environmental Management: Policy, Resources and Conservation as their Area of Concentration are required to take either ENVS 1500 6.0 or Biology 1010 6.0 to fulfill their Science Requirement.

Required Core Environmental Studies Courses (15 credits):

- | | |
|---------------|---|
| ENVS 1000 6.0 | Earth in Our Hands (formerly Perspectives in Environmental Studies). |
| ENVS 1200 6.0 | Taking Action: Engaging People and the Environment |
| ENVS 2009 3.0 | Quantitative Methods in Environmental Studies (formerly 3009 3.0) OR |
| ENVS 3010 3.0 | Qualitative Methods in Environmental Studies |

NOTE: Students enrolled in the Environmental Management Area of Concentration are required to take ENVS 2410 3.0 and ENVS 2420 3.0; further, they are required to take both ENVS 2009 3.0 (formerly 3009 3.0) and 3010 3.0.

Area of Concentration Requirement (at least 12 credits):

- | | |
|---------------|--|
| ENVS 2100 6.0 | Foundations in Environment and Culture: Philosophy, Arts, Technology and Education |
| ENVS 2200 6.0 | Foundations of Urban and Regional Environments: Analysis, Planning and Design |
| ENVS 2300 6.0 | Foundations of Environmental Politics: Development, Globalization and Justice |
| ENVS 2400 6.0 | Foundations of Environmental Management: Policy, Resources and Conservation |

Faculty Requirement (24 credits):

A minimum of 24 credits at the 3000 or 4000 level in Environmental Studies (ENVS) courses in addition to the above. Of these, at least 12 credits must be in the declared Area of Concentration; the remaining 12 credits are selected based on the student's interest.

Out-of-Faculty Requirements (12 credits outside student's Area of Concentration):

In addition to the general education requirements, students must take 12 credits outside of the Faculty. These courses are selected based on student's interest and/or other combination program requirements outside the BES program.

Free Electives:

Students must take up to 15 credits from any undergraduate program (including FES). These courses are selected based on student's interest and/or other combination program requirements outside the BES program.

Students pursuing the 90-credit Bachelor in Environmental Studies are required to declare an Area of Concentration. Course selection will be determined through the normal academic advising and Program Checklist processes.

BES (90-Credit) Program Checklist	Environmental Culture / Environmental Politics / Urban and Regional Environments
--	---

Student: _____ Student #: _____ Email: _____@yorku.ca

PROGRAM CORE REQUIREMENTS		Total	completed/ in progress	to do
All BES students are required to take the Core Environmental Studies Courses.	ENVS 1000 6.0 Earth in Our Hands	6		
	ENVS 1200 6.0 Taking Action	6		
	ENVS 2009 3.0 / 3009 3.0 Quantitative Methods <input type="checkbox"/> or ENVS 3010 3.0 Qualitative Methods <input type="checkbox"/>	3		
	Please pick one of the above	15		

GENERAL EDUCATION REQUIREMENTS (minimum 12 credits)		Total	completed/ in progress	to do
Science Requirement (ENVS 1500 6.0 or equivalent)		6		
Humanities Requirement (ENVS 1800 6.0 or equivalent)		6		
		12		

AREA OF CONCENTRATION REQUIREMENTS		Total	completed/ in progress	to do
BES Students are required to take a minimum of two foundations courses.	ENVS 2_____	6		
	ENVS 2_____	6		
		12		

Please indicate your selected Area of Concentration:

FACULTY REQUIREMENTS (Area of Concentration Courses)		Total	completed/ in progress	to do
24 credits of ENVS courses at the 3000 or 4000 level. A minimum of 12 credits must be selected from the Area of Concentration list (See Undergraduate Handbook).	ENVS _____	3		
	ENVS _____	3		
	ENVS _____	3		
	ENVS _____	3		
	ENVS _____	3		
	ENVS _____	3		
	ENVS _____	3		
		24		

OUT-OF-FACULTY REQUIREMENTS (must be taken outside FES)		Total	completed/ in progress	to do
In addition to the General Education Requirements, BES Students are required to take a minimum of 12 credits outside the Faculty of Environmental Studies.				
		12		

FREE ELECTIVES (courses can be taken either in FES or outside at any level)		Total	completed/ in progress	to do
The remainder of your credits can be taken from any faculty (including FES).				
		15		

Total Credits	Total Credits	90		
----------------------	----------------------	-----------	--	--

Please note that you must meet your Area of Concentration Requirements. For details see the most recent Undergraduate Handbook.

Students are required to take a minimum of 24 credits at the 3000 or 4000-level; 12 of those credits must be from your Area of Concentration

Student Signature: _____ Date: _____

BES (90-Credit) Program Checklist	Environmental Management
--	---------------------------------

Student: _____ Student #: _____ Email: _____@yorku.ca

PROGRAM CORE REQUIREMENTS		Total	completed/ in progress	to do
All BES students are required to take the Core Environmental Studies	ENVS 1000 6.0 Earth in Our Hands	6		
	ENVS 1200 6.0 Taking Action	6		
	ENVS 2009 3.0/ 3009 3.0 Quantitative Methods	3		
	ENVS 2410 3.0 The Science of Pollution	3		
	ENVS 2420 3.0 Ecology and Conservation Science	3		
	ENVS 3010 3.0 Qualitative Methods	3		
		24		

GENERAL EDUCATION REQUIREMENTS (minimum 12 credits)		Total	completed/ in progress	to do
Science Requirement (ENVS 1500 6.0 or equivalent)		6		
Humanities Requirement (ENVS 1800 6.0 or equivalent)		6		
		12		

AREA OF CONCENTRATION REQUIREMENTS		Total	completed/ in progress	to do
BES Students are required to take a minimum of two foundations courses.	ENVS 2400 6.0 Foundations of Environmental Management: Policy, Resources and Conservation	6		
	Second Foundations Course: ENVS 2_____	6		
		12		

FACULTY REQUIREMENTS (Area of Concentration Courses)		Total	completed/ in progress	to do
24 credits of ENVS courses at the 3000 or 4000 level. A minimum of 12 credits must be selected from the Area of Concentration list (See Undergraduate Handbook).	ENVS _____	3		
	ENVS _____	3		
	ENVS _____	3		
	ENVS _____	3		
	ENVS _____	3		
	ENVS _____	3		
	ENVS _____	3		
	ENVS _____	3		
		24		

OUT-OF-FACULTY REQUIREMENTS (must be taken outside FES)		Total	completed/ in progress	to do
In addition to the General Education Requirements, BES students are required to take a minimum of 12 credits outside FES.				
		12		

FREE ELECTIVES (courses can be taken either in FES or outside at any level)		Total	completed/ in progress	to do
The remainder of your credits can be taken from any faculty (including FES).				
		6		

⇒ Total Credits	Total Credits	90		
------------------------	----------------------	-----------	--	--

To graduate you need 90 credits. In some cases, students may be required to take more than 90 credits in order to meet their degree program requirements.

Please note that you must meet your Area of Concentration Requirements. For details see the most recent Undergraduate Handbook.

Students are required to take a minimum of 24 credits at the 3000 or 4000-level; 12 of those credits must be from your Area of Concentration.

Student Signature: _____ Date: _____

Honours Double Major, Honours Major/Minor, Concurrent Education Program

In addition to taking courses in the BES program, students have the opportunities to specialize in a specific subject or combination of subjects. The area of primary concentration is known as the major. An area of secondary concentration (if any) is known as the minor. In such cases, an application must be made using the application form available through the current students' website (<http://www.registrar.yorku.ca>). This request is subject to approval based on your current academic standing. Each program sets the requirements for each Double Major or Minor program with options available in the Faculties of Liberal Arts and Professional Studies, Fine Arts, Health, and Science and Engineering. BES students should consult the York University Undergraduate Calendar at (<http://www.registrar.yorku.ca>) for specific program requirements.

General Requirements

Regardless of the type of combination degree that is sought, honours double major or an honours major/minor, all students will have a "home" Faculty that will issue their degree. Students enrolled in the Faculty of Environmental Studies will receive a BES degree upon successful completion of their program; students in the Faculty of Liberal Arts and Professional Studies will receive a BA; students in the Faculty of Fine Arts will receive a BFA or BA; students in the Faculty of Health will receive a BA or BSc; and students in the Faculty of Science and Engineering will receive a BSc.

Students must maintain Honours standing by achieving a minimum cumulative grade point average of 5.0 (C+) over all courses taken at York. Students whose cumulative grade point average is below 5.0 (C+) during the course of their studies may proceed in an Honours program, on warning, provided they meet the specific year level progression requirements described in this booklet. The Faculty of Environmental Studies degree requirements and program regulations apply to those students whose home Faculty is FES.

DOUBLE MAJOR REQUIREMENTS IN ENVIRONMENTAL STUDIES

Students whose home Faculty is Liberal Arts and Professional Studies and/or the Faculty of Health who want to pursue a major in Environmental Studies are required to complete **seven full courses (42 credits) in environmental studies:**

- ENVS 1000 6.0 Earth in Our Hands (formerly Perspectives in Environmental Studies)
- two full-courses (12 credits) in the "foundations" series at the 2000 level (2100 6.0, 2200 6.0, 2300 6.0 or 2400 6.0)
- ENVS 2009 3.0 Qualitative Methods in Environmental Studies (formerly 3009 3.0)
OR ENVS 3010 3.0 Quantitative Methods in Environmental Studies
- 9 credits at the 3000 level
- 12 credits at the 4000 level

MINOR REQUIREMENTS IN ENVIRONMENTAL STUDIES

Students whose home Faculty is Liberal Arts and Professional Studies, Fine Arts, Health and Science and Engineering who want to pursue a minor in Environmental Studies **are required to complete five full courses (30 credits) in Environmental Studies:**

- ENVS 1000 6.0 Earth in Our Hands (formerly Perspectives in Environmental Studies)
- two full-courses (12 credits) in the "foundations" series at the 2000 level (2100 6.0, 2200 6.0, 2300 6.0 or 2400 6.0)
- 6 credits at the 3000 level or higher
- 6 credits at the 4000 level

Students should be aware that in order to complete the requirements of the Honours Double Major or Honours Major/Minor programs it may be necessary to complete more than 20 full courses (120 credits).

Second Major/Minor Options for BES Students

Faculty of Liberal Arts and Professional Studies

Students in the BES program may apply to pursue an Honours Double Major program or an Honours Major/ Minor program in many disciplines in the Faculty of Liberal Arts and Professional Studies, along with their Major in Environmental Studies. Second major programs are available with any seven- or eight-course major discipline. Minors may be pursued in several programs. For detailed information on requirements and application forms, please consult the departmental offices and York University Calendar, at <http://www.registrar.yorku.ca>

Faculty of Fine Arts

BES students may apply to do a Minor in any of the disciplines within the Faculty of Fine Arts with the exception of the design program. Students should consult the York University Calendar and visit the Faculty of Fine Arts for information on specific programs, at: <http://www.yorku.ca/finearts>

Faculty of Health

Environmental Studies students pursuing an Honours Major in Environmental Studies may combine their program with an Honours Double Major or an Honours Major/Minor program with the Faculty of Health, subject to the following regulations:

Honours Double Major and Honours minor options may be pursued with the Faculty of Environmental Studies in the following Faculty of Health BA programs:

Honours Double Major Options

- Kinesiology and Health Science
- Psychology

Honours Minor Options

- Health Policy
- Health Management
- Health Informatics
- Kinesiology and Health Science
- Psychology

Faculty of Science and Engineering

BES students who want to integrate their interest in Environmental Studies with science may apply to pursue an Honours Minor with the following Faculty of Science and Engineering programs:

- Biology
- Earth and Atmospheric Science
- Chemistry
- Math
- Physics and Astronomy

Students who intend to apply to any of these programs must complete the required pre-requisite courses in high school and take their University first-year Environmental Science course from FSE instead of the ENVS 1500 course offered in FES. For detailed information, please consult the York Undergraduate Calendar at:

<http://www.science.yorku.ca/programs/index.html>

Faculty of Education Concurrent Education Program

The Faculty of Education at York University offers the BEd degree in both a consecutive program (i.e. requiring a one-year period of study after obtaining a Bachelor's Degree) , and a concurrent program, where students who are enrolled in the BES program may apply to co-register in the Faculty of Education.

BES students may apply to enter the concurrent program after completing one or two years in the BES program. Candidates admitted to the Concurrent Education Program would add a minimum of one year to their undergraduate studies. Successful candidates then work to complete their BES program in addition to completing their education studies for a Bachelor of Education degree.

Admission Requirements for the Concurrent Education Program:

- You must have a minimum of 24 credits (four full courses) of the first year of undergraduate studies or the equivalent, or have a minimum of 36 credits (six full courses) left to complete your academic degree.
- You must have a minimum C+ overall average or Honours standing, and be admitted to and continuing in an undergraduate program (in this case, Environmental Studies).
- Selection is based on grade point average, related experience (as a classroom volunteer, coach, mentor, tutor, etc.), a personal statement, an interview, and two letters of reference.

Successful co-registrants are usually selected on the basis of education-related experience, references, university grade point averages and individual interviews. Applications should be directed to the Faculty of Education, Office of Student Programs, located at room 128, Winters College. The application deadline is in early March of each year.

For further information, please visit the Faculty of Education website, at: <http://edu.yorku.ca/programs.html>

BES Certificate Programs

While working towards the completion of their BES degree, students may opt to pursue a certificate in addition to their degree program. Students can choose from one of four certificates in Environmental Studies: Geographic Information Systems and Remote Sensing (GIS), Community Arts Practice (CAP), Refugee and Migration Studies (GRSM) or Urban Ecologies (UE). In order to do so, students are required to complete a number of required and elective courses, in addition to completing other degree requirements. Contact the Office of Students and Academic Services, room 137 HNES Building, for more information about applying to these certificate programs.

Minimum Requirements for Multiple Certificates

Students may acquire more than one certificate during the course of their studies provided that at least 18 credits in each certificate program are unique to the specific certificate.

Residency Requirements

The University residency requirement for undergraduate certificate programs is 18 credits for certificate programs requiring up to 36 credits, and 50% of the required credits for certificates comprising more than 36 credits. Normally, for undergraduate certificate programs requiring 18 credits or less, all credits are completed at York.

CERTIFICATE IN GEOGRAPHIC INFORMATION SYSTEMS (GIS) AND REMOTE SENSING

York University degree candidates and non-degree students may earn a Certificate in GIS and Remote Sensing. GIS and Remote Sensing encompasses the art, science and technology involved in collecting and managing geographically-referenced information.

Required Courses (24 credits)

ENVS 1000 6.0	Earth in Our Hands (formerly Perspectives in Environmental Studies)
ENVS 2009 3.0	Quantitative Methods in Environmental Studies (formerly ENVS 3009 3.0)
ENVS 3520 3.0	Applications of Geographic Information Systems in Environmental Studies
ENVS 3521 3.0	Environmental Remote Sensing
ENVS 4520 3.0	Geographical Information Systems Applications in Environmental Studies
ENVS 4521 3.0	Remote Sensing and Image Processing for Geographical Analysis and Environmental Monitoring

AND 3.0 credits from the following list of elective courses

Elective Courses

EATS 4220 3.0	Remote Sensing of the Earth's Surface
EATS 4230 3.0	Remote Sensing of the Atmosphere
ENVS 3710 3.0	Landscape Ecology

(Elective Courses continued)

ENVS 4447 3.0	Northern Ecosystems
GEOG 2350 3.0	Introduction to Geoinformatics
GEOG 3140 3.0	Retailing, Shopping, Society and Space
GEOG 4240 3.0	The Planning of Urban Public Facilities

Note: *students intending to pursue the GIS certificate with the Faculty of Environmental Studies should enrol in ES/ENVS 2009 3.00 in their second year of study*

Other Requirements

Students working towards this certificate must: maintain a cumulative grade point average of 6.0 (B) in the certificate required courses and achieve a cumulative g.p.a. of 5.0 (C+) in all courses; register in the program after completing 24 credits, and must maintained continued enrolment in the Honours program.

Students who have been exempted from any of the required courses or Special Students who have successfully completed the equivalent of any of the required courses must substitute additional credits from the certificate program elective courses list, for an overall total of 24 credits in the certificate program.

CERTIFICATE IN COMMUNITY ARTS PRACTICE (CAP)

The Certificate in Community Arts Practice (CAP) may be completed either concurrently with a degree program at York University, (a three-year degree or an honours degree) or completely separate from an active degree program. Candidates who previously completed an undergraduate degree in a related field must have a minimum grade point average of 5.0 (C+). As well, individuals without an undergraduate degree but who have previous relevant work experience may also apply to this program. Consideration of non-degree applicants will be based on the level and appropriateness of their work experience and applicants may be invited to an interview by the program coordinator.

The certificate introduces students to diverse practices of community arts and art and activism. It prepares students to collaborate with communities in making place-based art, writing community, environmental and ecological histories, community arts facilitation, performance/media/visual art, arts management, and funding for the arts. Students develop artistic skills, deepen their social analysis, and learn to facilitate creative processes with groups working for social change.

Requirements for the Community Arts Practice (CAP) Certificate

12 credits of core courses

ENVS 2122/FACS 2122 3.0 Community Arts for Social Change
ENVS 3122/FACS 3122 3.0 CAP Preparatory Workshop (year 3)
ENVS 4122/FACS 4122 6.0 CAP Practicum Seminar (year 4)

And 12 credits of electives: Select at least one course from each of the following four categories:

Community and popular education

ENVS 3125 3.0 Popular Education for Environmental and Social Justice
THEA 4200 6.0 Perspectives on Contemporary Theatre
THEA 4440 6.0 Drama and Education
VISA 3001B 3.0 Artist as Activist and Educator
YSDN 3104 3.0 Design for Public Awareness

Introductory or advanced studio courses in an artistic discipline

DANC 2501 3.0 Introduction to Dance Studio 1	VISA 2055 3.0 Time-Based Art: Performance Art and Everyday Life
ENVS 1800 6.0 Environmental Writing	VISA 2056 3.0 Time-Based Art: Introduction to video - Production
ENVS 4100 3.0 Environmental Literatures	VISA 2070 3.0 Print Media: Lithography
FACS 1939 3.0 Interactive New Media Art: An Introduction	VISA 2071 3.0 Print Media: Intaglio
FACS 2930 6.0 The Electronic Landscape	VISA 2073 3.0 Print Media: Relief
FILM 1010 3.0 Introduction to Filmmaking I	VISA 2074 3.0 Print Media: Screenprinting
FILM 3002 6.0 Documentary Project Workshop I	VISA 2024 3.0 Painting: Composition and Colour
MUSI 1000 6.0 Workshop in Musicianship I	VISA 2033 3.0 Clay Modeling and Plaster Casting
MUSI 1011 3.0 Non-Major Strings	VISA 2034 3.0 Stone Carving
MUSI 1012 3.0 Non-Major Guitar	VISA 2065 3.0 Introductory Digital: Camera to Image
MUSI 1014 3.0 Singing for Non-Majors	VISA 2066 3.0 Introductory Digital Photography
MUSI 1043 3.0 West African Drum Ensemble: Ghanaian	VISA 3053 3.0 Community Based Video: Art and Activism
MUSI 1556 3.0 Gospel Choir	VISA 3021 6.0 Mural Painting
THEA 1520 3.0 Acting for Non-Majors	VISA 3022B 3.0 Painting: The Spaces We Live In
THEA 1521 3.0 Acting for Non-Majors II	VISA 3022D 3.0 Painting: Towards a Communal Practice
THEA 2060 3.0 Voice & speech I	VISA 3032F 3.0 Sculpture Processes: Site Specific
THEA 2061 3.0 Voice & speech II	VISA 3051 6.0 Time-Based Art: Media Explorations
THEA 2090 3.0 Physical aspects of theatre I	YSDN 1001 3.0 Visual Language
THEA 2091 3.0 Physical aspects of theatre II	YSDN 1002 3.0 Design and Image
THEA 2600 6.0 Putting on the play	YSDN 1010 3.0 Introduction to Design: Practice and Appreciation
VISA 2053 3.0 Time-Based Art: Crossing Boundaries	
VISA 2053 3.0 Time-Based Art: Crossing Boundaries	

Advanced community-related artistic practice

DANC 2510 A, B, C, D 3.0 Introduction to World Dance Practices
DANC 3259 3.0 Animating Communities through Dance
ENVS 3800Y 3.0 Contesting Place: Art in the Urban Environment
ENVS 4420 3.0 Media, Culture, Communications, and Environment
FACS 2960A 3.0 Creative and Critical Fictions
FACS 3100 3.0 The Theatricality of Power

FACS 3900A 3.0 Arts and Culture: South Asia
FACS 3900M 3.0 Arts and Culture: Indigenous Culture
FACS 4934 3.0 Tactical Media: Art and Activism
THEA 4450A 3.0/THEA 4450A 6.0 Practicum: Performance in the Schools
THEA 4460 6.0 Improvisation and Playmaking
VISA 3053/FILM 3331 6.0 Community Based Video Art and Activism

Critical social analysis

DANC 2540 3.0 Dance and Popular Culture
ENVS 3151 3.0 Environmental Politics and Advocacy I
ENVS 3160 3.0 Race/Racism and Environmental Justice
ENVS 3225 3.0 Regional Governance
ENVS 4161 3.0 Social Movements, Activism, and Social Change
ENVS 4223 3.0 Global Cities
FACS 2400 6.0 Photography, Film and Popular Culture

FACS 2900 6.0 Rethinking Representation
FACS 3500 3.0 The Body in Performance
FACS 4970A 3.0 Performance: Theory and Practice
VISA 3001 3.0 The Body and Technology
THEA 4270B 3.0/THEA 4270B 6.0 Performing Gender
THEA 4331 3.0/THEA 4331 6.0 Theatre of Political Engagement
YSDN 1101 3.0 Critical Issues in Design
YSDN 3105 3.0 Self, Society and Design
YSDN 3106 3.0 Image and Influence

Other Requirements

Students working towards this certificate must:

- register in the program after completing 24 credits and must maintain continued enrolment in the Honours program
- to receive the certificate, candidates must achieve a cumulative grade point average (GPA) of 4.0 or greater in the courses taken to satisfy certificate requirements; and, York students must complete their degree in order to be granted the certificate.
- meet the minimum cumulative grade point average (CGPA) requirement for an honours program.

NOTE: BES STUDENTS PURSUING THE CAP CERTIFICATE ARE NOT REQUIRED TO ENROL IN ENVS 3011 3.0 AND ENVS 4000 6.0 REGARDLESS OF AREA OF CONCENTRATION.

GENERAL CERTIFICATE IN REFUGEE AND MIGRATION STUDIES (GSRM)

Faculty of Environmental Studies students may earn a General Certificate in Refugee and Migration Studies while and in addition to, fulfilling the requirements for the BES program.

Students should apply to enter the Certificate program at the beginning of their 3rd year. Students admitted to the Certificate program must submit the Application to Graduate with a Certificate by January 31st for the June Convocation and July 31st for the October Convocation and a completed checklist for the Certificate in Refugee Migration to the education coordinator at the Center for Refugee Studies (CRS), to ensure that all certificate requirements have been considered. Further information is available from the education coordinator, Center for Refugee Studies, or the coordinator's academically accredited designate.

Required Courses

AS/SOSC 1130 9.0	International Migration OR	ENVS 4210 3.0	World Population Issues and Problems
AP/REI 2000 6.0	Introduction to Refugee and Migration Studies OR	ENVS 4220 3.0	Urbanization in Developing Countries
AS/GEOG 2310 6.0	Introduction to Refugee and Migration Studies	ENVS 4312 3.0	Global Justice and Humanitarian Internationalism

Three additional pre-approved full courses (18 credits or equivalent) of which 12 credits must be at 3000 or 4000 level.

A list of pre-approved ENVS courses follows. Other relevant courses may be selected and submitted for approval with the student's study plan, which must be reviewed by the education coordinator, Center for Refugee Studies, or the coordinator's designate.

ENVS Courses for the Refugee and Migration Studies Certificate

ENVS 2300 6.0	Foundations of Environmental Politics
ENVS 3160 3.0	Race/Racism and Environmental Justice
ENVS 3310 3.0	Tropical Conservation and Sustainable Development

Other Requirements

To be awarded this certificate, students must:

- maintain a minimum cumulative grade point average of 5.0 (C+) in the certificate required courses
- attend a minimum of 8 Centre for Refugee Studies seminar presentations over the course of the degree
- complete 15 hours of volunteer participation in the Student Caucus and/or Centre for Refugee Studies activities.

Other courses are listed in the Faculty of Fine Arts, Glendon, and Liberal and Professional Studies calendars. For more information, please contact CRS, 8th floor, York Research Tower or email crs@yorku.ca. Website, at: <http://www.yorku.ca/crs/>

CERTIFICATE IN URBAN ECOLOGIES (UE)

The Urban Ecologies (UE) certificate is an interdisciplinary program designed to help you learn how the many conflicts between the natural and urban environments emerge, is represented and can be addressed. The Certificate program emphasizes urban ecology as an innovative and interactive approach to critically study the social and biophysical configuration of urban landscapes, places, sites and ecologies.

Through this certificate, you will develop theoretical and practical knowledge to help address complex contemporary urban environmental challenges through thoughtful planning, design and ecological action.

Application form

The certificate is open to any York University student enrolled in ***an undergraduate Honours program***. To register for the Urban Ecologies certificate program, you must fill out the Urban Ecologies (UE) application form and submit it to the Office of Student and Academic Services (OSAS) in 137 HNES. Your application will be forwarded to the Urban Ecologies program coordinator.

Required Courses (24 credits):

- ES/ENVS 3226 3.0 Sustainable Urbanism
- ES/ENVS 3230 3.0 Restoration Ecology
- ES/ENVS 3710 3.0 Landscape Ecology
- ES/ENVS 3740 3.0 Urban Ecologies
- ES/ENVS 3760 3.0 Plant Ecology
- ES/ENVS 4225 3.0 Urban Sustainability
- ES/ENVS 4700 3.0 Urban Ecologies Workshop
- ES/ENVS 4750 3.0 Political Ecology of Landscapes

Other Requirements:

To be awarded this certificate, students must:

- Maintain a minimum grade of 5.00 (C+) in each course credited to the certificate and maintain honours standing in their degree program.
- Maintain a cumulative grade point average of 5.00 (C+)

NOTE: BES STUDENTS PURSUING THE URBAN ECOLOGIES CERTIFICATE ARE NOT REQUIRED TO ENROL IN ENVS 3011 3.0 AND ENVS 4000 6.0 REGARDLESS OF AREA OF CONCENTRATION.

BES Joint Programs

Joint programs offer students the opportunity to receive a combined university degree and a college diploma from either Seneca College or Sir Sandford Fleming College, and a certificate from Humber College in what would otherwise take seven years. The York-Humber program may be completed in four years, while the York-Seneca and York-Sir Sandford Fleming programs are five years in duration. These accelerated programs can begin either at the respective college or at York University (with the exception of the York-Humber Joint Program), and are then completed at the partner institution. Students enrolled in joint programs must fulfill the joint program requirements of both institutions.

Students who are enrolled in FES are required to complete a minimum of 90 credits within the first three years of the joint program and earned a minimum of 5.00 grade point average (C+ average at York), including the Core, Faculty, Area of Concentration, and General Education Requirements. They are also required to submit an application to the joint program at the respective college in October of their third year of study.

With the exception of the York-Humber Joint Program: students who begin their diploma at the college should apply to the Joint Program in Environmental Studies through the normal York admission process in the final year of their diploma. Acceptance is contingent upon students successfully completing the diploma with a minimum 3.00 grade point average at the college. Successful applicants will be awarded 60 block credits toward their BES program. Students who choose to opt out of the Joint Program at York and attend another program will have their advanced standing re-evaluated.

Students admitted to the Joint Program directly from Seneca College or Sir Sandford Fleming College must maintain honours standing over the course of their studies in Environmental Studies; a cumulative grade point average of 5.00 (C+) over all courses taken at York. Students whose cumulative grade point average is below 5.0 (C+) during the course of their studies may proceed in an Honours program, on warning, provided they meet the specific year level progression requirements described in this booklet. Failure to maintain this standing will result in the following:

- Removal from the Joint Program;
- Re-evaluation of advanced standing (transfer credits), and;
- Transfer into the 90-credit BES degree program.

** Students enrolled in the 90-credit BES degree program are not eligible to apply to any joint program directly.

YORK-HUMBER COLLEGE JOINT PROGRAM IN INTERNATIONAL DEVELOPMENT MANAGEMENT STUDIES (FORMERLY INTERNATIONAL PROJECT MANAGEMENT)

York University students in the BES program may apply to the Joint Program in International Development Management Studies formerly International Project Management at Humber College at the beginning of their third year of studies, and must be in the honours program and maintain a minimum grade point average of 5.00 (C+). Upon successful completion of the joint program, students receive a Honours BES Degree and a post-diploma certificate in International Development Management Studies. Students who intend to pursue this option must declare their intention after 1st year in the BES program and must declare Environmental Politics as their Area of Concentration and must fulfill those requirements.

NOTE: Admission to this Joint Program is contingent upon Humber College's own admissions criteria and is therefore not automatic or guaranteed. To be considered for admission, applications to Humber College must be submitted by February 1 through the Ontario College Application Centre.

Degree Requirements for Students First Enrolling in the BES Program at York

Year 1 - (30 credits)

ENVS 1000 6.0 Earth in Our Hands (formerly Perspectives in Environmental Studies)
ENVS 1200 6.0 Taking Action: Engaging People and the Environment
ENVS 1500 6.0 Introduction to Environmental Science: The Web of Life
Humanities (6 credits)
Electives (6 credits)

Year 2 - (30 credits)

ENVS 2009 3.0 Quantitative Methods in Environmental Studies (formerly 3009 3.0) **OR**
ENVS 3010 3.0 Qualitative Methods in Environmental Studies
ENVS 2300 6.0 Foundations of Environmental Politics
ENVS 2400 6.0 Foundations of Environmental Management
Electives (15 credits): recommended to include
ANTH 1110 6.0 Introduction to Social Anthropology

Year 3 - (30 credits)

ENVS 3000 3.0 Environmental Ethics and Epistemology
ENVS 3226 3.0 Planning Environmentally **OR**
ENVS 3310 3.0 Tropical Conservation and Sustainable Development
ENVS 3340 3.0 Global Environmental Politics
ENVS 3430 3.0 Environmental Assessment

18 credits at the 4000 level from the Area of Concentration in Environmental Politics

Year 4 - At Humber College:

Course selections will be determined by the Humber College program coordinator during an individual advising appointment.
For more information on the Humber College program, visit <http://www.humber.ca/program/20831>

York University students in the BES honours program may apply to the Joint Program in Urban Sustainability (JPUS) at Seneca College during their third year of studies, and must maintain a minimum grade point average 5.00 (C+). After successfully completing the JPUS, students will receive their Bachelor in Environmental Studies Honours Degree and their Civil Engineering Technology Diploma. Students who intend to pursue this option must declare their intention after 1st year in the BES program and must declare Urban and Regional Environments as their Area of Concentration and must fulfill those requirements.

Degree Requirements for Students First Enrolling in the BES Program at York

Year 1 - Five full courses (30 credits)

ENVS 1000 6.0 Earth in Our Hands (formerly Perspectives in Environmental Studies)
 ENVS 1200 6.0 Taking Action: Engaging People and the Environment
 ENVS 1500 6.0 Introduction to Environmental Science: The Web of Life (students may take BIOL 1010 6.0 or BIOL 1410 6.0 instead if they have Grade 12 Biology or chemistry)
 Humanities (6 credits)
 Electives (6 credits)

Year 2 - Five full courses (30 credits)

ENVS 2200 6.0 Foundations of Urban and Regional Environments
 ENVS 2400 6.0 Foundations of Environmental Management
 ENVS 2410 3.0 The Science of Pollution
 ENVS 2420 3.0 Ecology and Conservation Science
 AP/SOSC 2710 9.0 City Lives and City Forms: An Introduction to Urban Studies **OR**
 AP/SOSC 2730 6.0 The Culture of Cities: Visual Journeys through Time and Space
 Electives (6 credits)

Year 3 - Five full courses (30 credits)

ENVS 3000 3.0 Environmental Ethics and Epistemology
 ENVS 2009 3.0 Quantitative Methods in Environmental Studies
 ENVS 3225 3.0 Regional Governance
 ENVS 3226 3.0 Planning Environmentally
 ENVS 4225 3.0 Urban Sustainability I
 15 credits at the 4000 level from the Area of Concentration in Urban and Regional Environments

Years 4 and 5 - at Seneca College

Course selections will be determined with the Seneca program coordinator during an individual advising appointment.

Degree Requirements for Students Enrolling at York after Completing their Technologist Program at Seneca College

Year 1 - (30 credits)

ENVS 1000 6.0 Earth in Our Hands (formerly Perspectives in Environmental Studies)
 Humanities (6 credits)
 ENVS 2200 6.0 Foundations of Urban and Regional Environments
 plus one of the following courses:
 ENVS 2100 6.0 Foundations in Environment and Culture
 ENVS 2300 6.0 Foundations of Environmental Politics
 ENVS 2400 6.0 Foundations of Environmental Management
 Electives (6 credits)

Year 2 - (30 Credits)

ENVS 3000 3.0 Environmental Ethics and Epistemology
 ENVS 3225 3.0 Regional Governance
 ENVS 3226 3.0 Planning Environmentally
 3 credits at the 3000 level in Urban and Regional
 ENVS 4225 3.0 Urban Sustainability I
 15 credits at the 4000 level from the Area of Concentration in Urban and Regional Environments

Course Credit Exclusions for Seneca Technologist Students at York

Students entering the Joint Program in Environmental Studies from Seneca College will be exempted from the following courses: ENVS 1200 6.0, ENVS 1500 6.0, ENVS 2500 6.0, ENVS 2410 3.0, ENVS 2420 3.0

For more information on the Seneca College program, visit: <http://www.senecac.on.ca/civil>

York University students in the BES Honours Program may apply to the Joint Program in Ecosystem Management (JPEM) at Sir Sandford Fleming (SSFC) during their third year of studies, and must maintain a minimum grade point average of 5.00 (C+). After successfully completing the JPEM, students will receive their BES Honours Degree and their Ecosystem Management Technologist Diploma. Students who intend to pursue this option must declare their intention after 1st year in the BES program and must declare Environmental Management their Area of Concentration and must fulfill those requirements.

Degree Requirements for Students First Enrolling in the BES Program at York

Year 1 - (30 credits)

ENVS 1000 6.0	Earth in Our Hands (formerly Perspectives in Environmental Studies)
ENVS 1200 6.0	Taking Action: Engaging People and the Environment
ENVS 1500 6.0	Introduction to Environmental Science: the Web of Life (students may take BIOL 1010 6.0 or BIOL 1410 6.0 instead if they have Grade 12 Biology or chemistry)

Humanities (6 credits)

Electives (6 credits) (SC/CSE 1520 3.0 and SC/CSE 1540 3.0 strongly recommended)

Year 2 - (30 credits)

ENVS 2100 6.0	Foundations in Environment and Culture
ENVS 2400 6.0	Foundations of Environmental Management
ENVS 2410 3.0	The Science and Pollution
ENVS 2420 3.0	Ecology and Conservation Science
BIOL 2050 4.0	Ecology (students must inquire at the Biology Department for prerequisites)

Electives (9 credits)

Year 3 - (30 credits)

ENVS 2009 3.0	Quantitative Methods in Environmental Studies (formerly 3009 3.0)
ENVS 3010 3.0	Qualitative Methods in Environmental Studies

6 credits at the 3000 level (chosen from the Area of Concentration in Environmental Management)

18 credits at the 4000 level (chosen from the Area of Concentration in Environmental Management)

Years 4 and 5 - (at SSFC)

Course selections will be determined by the Sir Sandford Fleming program coordinator during an individual advising appointment.

York Course Credit Exclusions for SSFC

York students who have taken ENVS 3520 and ENVS 3521 while in the BES program will be exempted from the introductory course in GIS at SSFC, and will take an elective course instead.

Degree Requirements for Students Enrolling at York after Completing their SSFC Technologist Program

Year 1

ENVS 1000 6.0	Earth in Our Hands (formerly Perspectives in Environmental Studies)
---------------	---

Humanities (6 credits)

ENVS 2400 6.0 Foundations of Environmental Management

ENVS 3000 3.0 Environmental Ethics and Epistemology

Electives (9 credits)

Year 2

12 credits at the 3000 or 4000 level (from the Area of Concentration in Environmental Management)

18 credits at the 4000 level (from the Area of Concentration in Environmental Management)

Course Credit Exclusions for SSFC Technologist Students

Students entering the Joint Program in Environmental Studies from SSFC will be exempted from the following courses: ENVS 1200 6.0, ENVS 1500 6.0, ENVS 2009 3.0, ENVS 3009 3.0, ENVS 3010 3.0, ENVS 2410 3.0, ENVS 2420 3.0.

Course credit exclusions may apply to ENVS 3520 3.0 (GIS), ENVS 3521 3.0 (Remote Sensing), ENVS 4442 3.0 (Environmental Monitoring), ENVS 4520 3.0 (GIS Applications), depending on the courses students have taken at SSFC.

For more information on the SSFC program, visit:

<http://www.flemingc.on.ca>

BES Advising and Progress Through the Program

It is critical that students enrolled in the BES Programs meet with the Program Adviser to ensure that all degree requirements are met through a COMPLETED BES Program Checklist form. The advising meeting will guide second, third, and fourth year course selections and allow students to discuss future objectives, and ensure that the courses selected keep important options open for each student.

The BES Program Checklist is extremely important; it ensures that all students meet the requirements of their declared Area of Concentration. Each student is required to submit to the Program Adviser a COMPLETED BES Program Checklist by the end of April. *Students are blocked from online enrolment and registration until this form has been received.* An incomplete or improper submission of a BES Program Checklist form may result in a delay in registration and may prohibit enrolment in desired and/or required courses.

Students considering the Course Based Option (CBO) for their program of study are NOT required to enrol in: ENVS 3011 3.0 Introduction to Senior Honours Work or ENVS 4000 6.0 Senior Honours Work Seminar. However, students must select alternative courses in their Area of Concentration to replace the requirements. Those who have already *completed ENVS 3011 3.0 are under no obligation to complete ENVS 4000 6.0 and can still opt for the CBO.*

Please note that those considering taking ENVS 4000 6.0 (i.e. the thesis option) should be prepared to devote a considerable amount of time and attention to their research, analysis and write-up in a relatively unstructured format that some may find very challenging, labour-intensive and time-consuming. Only those who understand this and are committed to such a process should consider the thesis option.

Advising appointments can be made through the Office of Student and Academic Services, room 137 HNES or by phone at 416-736-5286. Student's who fail to follow the above; namely, have an advising appointment and hand in a COMPLETED BES Program Checklist, will be blocked from enrolment and registration for the Fall- Winter sessions.

Course Load

Environmental Studies students are subject to the following course load constraints:

- Fall/Winter Session (September-April): Students are advised to take no more than 30 credits. A maximum of 36 credits (18 credits per term) may be taken conditional upon approval of your Program Checklist and review by your Adviser.
- Summer Session (May-August): Students may take a maximum of 12 credits.
- Students with substantial academic weaknesses and/or financial responsibilities are advised to take fewer courses than indicated for that session.

ACADEMIC STANDING

Academic standing depends on several factors, including the number of courses a student has passed, the grade point average achieved during a particular session (sessional grade point average) and the overall grade point average (cumulative grade point average)

REQUIREMENTS FOR VISITING STUDENTS

Individuals who wish to enrol in undergraduate credit courses, but who do not intend to complete a degree or a certificate may be admitted to York as a Visiting Student (see the Admissions section of York Undergraduate Calendar for more information). There are three categories of visiting students:

- a) those who hold an undergraduate degree (three-year Bachelor's degree minimum) from an accredited university/university-level institution;
- b) those who do not hold an undergraduate degree but wish to enrol in York courses to fulfill the academic, upgrading or professional development requirements of a professional designation;
- c) those who are currently attending another recognized university and wish to take York courses on a Letter of Permission issued by their home institution.

GPA Requirement

Students in categories a) and b) whose overall cumulative grade point average (OCGPA) falls below 4.00 (C) based on a minimum of 24 credits will not be allowed to enrol in any subsequent session as visiting students. Students who are not permitted to re-enrol must apply for re-admission through the Admissions Office.

Note: Repeated course legislation does not apply to visiting students but only to academic degrees and certificates. Therefore, all courses attempted or taken will count in the OCGPA.

Credit Limits

Students in category b) who have maintained an OCGPA of 4.00 throughout their studies and who have completed 30 credits will not be allowed to enrol in additional courses, such students must either reactivate to proceed as visiting students or may choose to apply for admission to a degree or certificate program.

BES HONOURS DEGREE

Qualifying for Honours: Students with no Previous Postsecondary Education

Students who are admitted to the Faculty of Environmental Studies with no prior experience at a postsecondary educational institution (such as a university or college) are automatically enrolled in an Honours program.

Transfer Students

Students who are admitted to the Faculty of Environmental Studies with prior experience at a post secondary educational institution are required to enroll in the Honours program if their prior cumulative grade point average (including failed courses) is at least the equivalent of 5.00 on the York scale. (Note: Courses taken at other post-secondary institutions are not calculated as part of the student's grade point average at York, nor do they appear on the York University transcript.)

Continuing and Revisions to Progression Requirements: Honours Standing

To continue in an Honours program, students must maintain a minimum cumulative grade point average (CGPA) of at least 5.00 (C+). Students whose cumulative grade point averages fall below 5.00 during the course of their studies may proceed in an Honours program, on warning, provided that they meet the year level progression requirements as set out below.

Year	Level Credit Range	CGPA
01	0-23	4.00
02	24-53	4.25
03	54-83	4.80
04	84-120	5.00

Students must successfully complete (pass) at least 120 credits, meet Faculty and program academic requirements, and achieve a minimum CGPA of 5.00 in order to graduate with an Honours degree. Students who are permitted to continue in an Honours program on warning will be required to attend an advising appointment with their Adviser.

Ineligibility to Continue in Honours

Students who do not meet the conditions outline above may continue their studies only in the Bachelors 90-credit degree program. Students will automatically be transferred to the Bachelors degree program.

Graduating in Honours

To graduate from an Honours program, students must successfully complete (pass) at least 120 credits which meet the Faculty of Environmental Studies' program requirements. The cumulative grade point average for all courses taken must be at least 5.00 (C+).

Courses taken Beyond the Normal Maximum

Students in an Honours BES program who successfully complete more than 120 credits and whose cumulative grade point average is at least 5.00 (C+) will have all credits counted towards their Honours BES and their cumulative grade point average.

Opting to Graduate in the BES Program (90 credit)

(a) Students registered in the four-year Honours program may opt to graduate with a three-year (90-credit) degree if they fulfill those program requirements. Students who wish to take advantage of this option should complete the relevant form at the Office of Student Academic Services, Room 137 HNES, by early December for graduation the following Spring, or by mid-August for graduation the following Fall (refer to the 90 credit program requirements).

(b) Students registered in an Honours BES program whose cumulative grade point average after completion of 90 credits falls below 5.00 (C+), but remains 4.00 (C) or above, may request to graduate with a 90-credit Bachelor's BES degree if they fulfill the degree requirements, or may continue in the program until the requirements for the 90-credit degree are fulfilled. They may not continue in an Honours program and they may not take extra courses in a subsequent session in an effort to raise their cumulative grade point average to re-enter the Honours program.

Re-entering Honours

Students who are ineligible to continue in the Honours program because their cumulative grade point average has fallen below the minimum requirement as outline above may re-enter the BES Honours program only if they raise their cumulative grade point average to 5.00 (C+) or above by the time they have successfully completed their 90th credit.

BES DEGREE

Students must successfully complete (pass) courses for at least 90 credits which meet the Bachelor of Environmental Studies program requirements. The cumulative grade point average for all courses taken must be at least 4.00 (C).

Courses taken Beyond the Normal Maximum—in Order to Raise Cumulative Grade Point Average

Students in the BES program who have passed 90 credits in accordance with the Faculty of Environmental Studies program requirements, but whose cumulative grade point average is below 4.00 (C), may attempt to raise their average to 4.00 (C) by taking up to 12 additional credits, to a maximum of 102 credits. These courses must be above the 1000-level and a minimum of six credits must be taken in FES; regulations on equivalent and excluded courses apply.

Courses taken Beyond the Normal Maximum

Students in the BES program who successfully complete more than 90 credits and whose cumulative grade point average is at least 4.00 (C) and less than 5.00 (C+) will have all credits counted towards their BES degree and their cumulative grade point average.

Transferring to Honours

Students in the BES 90 credit program who becomes eligible for Honours program due to higher grade point average will automatically be transferred to the Honours BES degree program. Students who have graduated from the Faculty of Environmental Studies with a 90 credit BES degree and whose record makes them eligible for an Honours BES may apply to the Faculty to pursue the honours degree.

ACADEMIC HONOURS

Unlike completing requirements for an Honours degree program which refers to degree requirements (credits/courses) receiving an academic honor refers to academic excellence. The Faculty recognizes the academic excellence of its students by means of the following honors which are recorded on a student's transcript.

Scholarships and Merit Awards

These include FES Awards and Scholarships, Merit Awards, Entrance Scholarships, Renewable Scholarships and In-Course Scholarships.

Sessional Dean's Honour Roll

The Dean's Honour Roll recognizes a student's academic achievements in a given session based on the following criteria:

- Students taking 12-17 credits in a given session and who have attained a sessional grade point average of 8.00.
- Students taking 18 or more credits in a given session and who have attained a sessional grade point average of 7.50.

Graduating Honours

Students with high grade point averages are eligible for the following honours upon graduation from the Faculty:

Specialized Honours BES Degree (120 credits)

- Summa cum laude: cumulative grade point average 8.00+.
- Magna cum laude: cumulative grade point average 7.80 - 7.99
- Cum laude : cumulative grade point average 7.50-7.79
- Member of the Dean's Graduating Honour Roll : cumulative grade point average 7.00+
- Dean's Sessional Honour Roll: 8.00 sessional cumulative grade point average on 12-17 credits or 7.50 sessional cumulative grade point average on 18 or more credits.

Bachelors BES Degree (90 credits)

- With Distinction: cumulative grade point average 8.00+
- With Merit: cumulative grade point average 7.50 - 7.99
- Member of the Dean's Graduating Honour Roll: cumulative grade point average 7.00 -7.49
- Dean's Sessional Honour Roll: 8.00 sessional cumulative grade point average on 12-17 credits or 7.50 sessional cumulative grade point average on 18 or more credits.

FES POLICY ON STUDENT WORK

All written or visual work that is submitted as part of an academic program must be submitted in hardcopy (not electronically), unless previously agreed to by the instructor or Adviser.

Please note that the above policy statement outlines the required format for submission of student work for a course and/or an academic program, as outlined in BES course syllabi.

BES TERM WORK, TESTS AND EXAMINATIONS

Term Work

Term work includes reports, assignments, essays, tests, and other written and oral work assigned in a course, with the exception of final examinations, as outlined in the approved course syllabus. Course directors set the deadlines for submission of term work. All term work must be submitted by the last day of classes of the term in which the course ends. Term work submitted after the last day of classes of the term in which the course ends will not be accepted for grading. Students will be penalized 5% of the value of the assignment per day that their assignments are late. Exceptions to the lateness policy for valid reasons such as illness, compassionate grounds, etc will be entertained by the course director only when supported by written documentation (e.g. a doctor's letter).

Instructions for Submission and Return of Final Assignments

In cases where students will be handing in an assignment late in the term and the Professor or Teaching Assistant will not have an opportunity to return the graded assignment in a subsequent class/tutorial, special arrangements must be made to accommodate students' wishes to have the graded assignment returned to them:

- a) students must submit their final assignment with a self-addressed, stamped, envelope if they want to receive the graded assignment. If the assignment is more than 5 pages in length they are advised to have the post office weigh the package to determine appropriate postage required.
- b) if students do not attach a self-addressed stamped envelope, they must attach a document with their course details, their name and student number and their signature and a statement confirming they do not wish to have the assignment returned to them.

Proper academic performance depends on students doing their work not only well, but on time. Accordingly, **the assignments for ENVS courses must be received by the Instructor or Teaching Assistant on the due date specified for the assignment.**

Examination

Examinations may be held in any BES course in such form and manner as decided by the course director and as described in the approved course syllabus. Examinations are an essential part of the learning and evaluation process. They must be conducted under fair conditions which allow students to analyze, synthesize, and demonstrate what they have learned. Disruptions or attempts to obtain an unfair advantage are offences against due academic processes and carry severe penalties.

End of Term Restrictions

The total value of any test(s) or examination(s) given during the last two weeks of classes in a term must carry a combined weighting of no more than 20 percent of the final mark for the course. Note: exceptions are made for some third and fourth year courses, such as seminars, that often have one or two major assignments due at the end of term.

Scheduling of Tests

Except where testing is conducted during individual appointments which accommodate a student's schedule (for example, individually scheduled make-up tests), tests or examinations given during the term must be held within the hours regularly scheduled for the course in question.

Students' Rights of Refusal

Students who are asked to write tests or examinations in contravention of the preceding two regulations may refuse to do so without academic penalty. They also have the right to raise the matter with the Undergraduate Program Director.

GENERAL REGULATIONS FOR TESTS AND EXAMINATIONS

Identification: Students who are being tested or examined are required to present their YU-card or an acceptable form of photographic identification when asked to do so by an instructor or invigilator. Acceptable forms of photographic identification include:

- a YU-card with a photo;
- a valid driver's licence with photography attached or a valid passport or other certificate of citizenship with photography attached.

Formally Scheduled Examinations

(a) Final Examination Period: There is a final examination period at the end of each term, as published in the York University undergraduate enrolment guide.

(b) Examination Schedules: The dates, times and places of formally scheduled examinations are published each term on the Current Students Web site (<http://www.yorku.ca>, click on Current Students). Examinations may last two or three hours. Students are responsible for making themselves aware of the appropriate examination details.

(c) Missed Examinations: A student who misses an examination must contact the Office of Student and Academic Services or the Office of the Registrar within 48 hours of the examination. A student who wishes to write a make-up examination must petition for deferred standing in the course.

(d) Supplemental Examinations or Rewriting of Examinations: These are not allowed in the Faculty of Environmental Studies. Once the final examination has been written or the major paper submitted, the course is considered to be completed. Examinations or papers cannot be rewritten to improve a final grade. There shall be no rewriting to improve a mark.

GRADING SCHEME AND ACADEMIC FEEDBACK

(a) The course director shall assess students enrolled in each BES course in light of the requirements set at the beginning of the course as articulated in the course syllabus. These assessments shall be based on a combination of tests or formal examination(s), participation in classes, term work submitted, and other evidence as determined by the course director.

(b) Marking scheme

(i) *Announcement in class:* The means of determining the final grade in a course shall be provided to students by the course director. Such information must include the types of assignments, essays, examinations, and other components, which make up the grade, their relative weight(s), and any other procedures, which enter into the determination of the final grade.

(ii) *Subsequent changes:* In exceptional circumstances, a previously announced marking scheme for a course may be changed, but only with the consent of all students and the approval of the Undergraduate Program Director. The course director must distribute the new marking scheme in written form to the students.

(iii) *Feedback during course:* Instructors are obliged to provide a mechanism by which students can be apprised of their progress in a course and that the grading scheme (i.e. kinds and weights of assignments, essays, exams, etc.) be announced, and be available in writing, within the first two weeks of class, and that, under normal circumstances, graded feedback worth at least 15% of the final grade for Fall, Winter or Summer Term, and 30% for 'full year' courses offered in the Fall/Winter Term be received by students in all courses prior to the final withdrawal date from a course without receiving a grade, with the following exceptions:

- graduate or upper level undergraduate courses where course work typically, or at the instructor's discretion, consists of a single piece of work and/or is based predominantly (or solely) on student presentations (e.g. honours theses or graduate research papers
- not due by the drop date, etc.);
- practicum courses;
- ungraded courses;
- courses in Faculties where the drop date occurs within the first 3 weeks of classes;
- courses which run on a compressed schedule (a course which accomplishes its academic credits of work at a rate of more than one credit hour per two calendar weeks).

Note: Under unusual and/or unforeseeable circumstances which disrupt the academic norm, instructors are expected to provide grading schemes and academic feedback in the spirit of these regulations, as soon as possible.

Alternate Grading Method: Pass/Fail

Students in good academic standing in the Faculty of Environmental Studies can request a pass/fail option only after completing 24 credits towards an undergraduate degree program. They may elect to take up to 6 credits on an ungraded basis towards a Bachelors degree (90 credits) or 12 credits toward an Honours Bachelors degree (120 credits). Courses taken under the pass/fail option will be annotated on their transcript as "Pass" or "Fail." Neither of these grades will be calculated into their grade point average. ***The pass/fail option cannot be chosen by a student for the following :***

- major or minor courses (including for- credit practica)
- outside-the-major required courses
- courses taken to satisfy *General Education* or *Certificate* requirements
- required 1000-level science courses for students in the Faculties of Science & Engineering and Health
- Students must confirm their eligibility to complete a course on an ungraded basis.
- Completed Pass/Fail Application Forms must be submitted to the relevant office within the first two weeks of class.
- Students who elect to complete a course on an ungraded basis may not revert to taking the course on a graded basis after the last date to drop a course without academic penalty.

Exceptions

The Pass / Fail grading option is not applicable for the following:

Graduate degrees or diplomas
BEd and BEd (Technological Education) degrees
LLB/JD degree
BBA and iBBA degrees
Exchange courses taken at another institution

- Students are required to fill out an application form available at the Student Client Services or online at the Current Students Web site <http://www.yorku.ca/yorkweb/cs.htm>. The student will return completed form with the course director's approval to the Student Client Services.

Repeating Passed or Failed Courses for Academic Credit is as follows:

1. (a) Students may repeat either a passed or failed course once for academic degree or certificate credit. Students should note that course availability and space considerations may preclude the possibility of repeating a course in the session they choose.

(b) When a student is allowed to repeat a course for academic degree or certificate credit, the second grade will be the grade of record and the only grade calculated in the student's grade point average (Major, Cumulative, Sessional and Overall). A course can be credited only once towards satisfaction of degree or certificate academic credit requirements

(c) The record of both the first and second time the course was taken will appear on the student's transcript, with the first course designated as 'No Credit Retained' (NCR)

(d) The restrictions regarding repeating a passed or failed course also apply to cross listed courses and course credit exclusions.

2. The above items do not apply to graduate degree or diploma programs, the BEd degree programs of the Faculty of Education, or the LLB degree program of Osgoode Hall Law School.

3. The above items do not apply to practicum courses offered in the Bachelor of Social Work (BSW) degree program or practicum courses offered in the Bachelor of Science in Nursing (BScN) degree program.

Prior to 2002, students who repeated a course for academic degree had both grades counted in their grade point average. The revision to the legislation in 2002 changed that rule so that students who repeat a course have the second grade become the grade of record and the only grade calculated in the grade point average. The record of the first course remains on the transcript, but no credit is retained for it and the grade is not included in the calculation of the GPA; this is denoted by a NCR notation on the transcript for that course.

Thus the following needs to be done if a course taken pre-2002 (likely several times) is repeated once post-2004:

- retain the pre-2002 course(s) on the student's record but flag them all as 'NCR'
- do not include the grade(s) of said pre-2002 course(s) in the GPA calculation

As per Senate 2004 legislation, subsequent repeats of the course post-2004, beyond the first, will also be flagged NCR.

GRADE REAPPRAISALS

Reappraisal of Final BES Course Grades

Students may, with sufficient academic grounds, request that a final grade in a course be reappraised (which may mean the review of specific pieces of tangible work). Non-academic grounds are not relevant for grade reappraisals; in such cases, students are advised to petition to their home Faculty. Students are normally expected to first contact the course director to discuss the grade received and to request that their tangible work be reviewed. Tangible work may include written, graphic, digitized, modelled, video recording or audio recording formats, but not oral work.

Students need to be aware that a request for a grade reappraisal may result in the original grade being raised, lowered or confirmed.

In the event that students are still not satisfied with the final grade OR the course director is not available to review the work, they may submit in writing a formal request for a grade reappraisal to the department or unit in which the course is offered*. The Senate approved deadline for submitting grade reappraisals is within three weeks of the release of final grade reports in any term. Exercising discretion about minor delays in meeting the deadline which result from slow mail delivery or extraordinary circumstances is reasonable.

*The exceptions are as follows:

For courses offered by Osgoode Hall Law School, Schulich School of Business, and the Faculty of Education the requests for reappraisal are submitted to the office of the relevant Associate Dean.

If the condition of sufficient academic grounds has been met, the relevant department committee, Department Chair, Associate Dean or Graduate/Undergraduate Program Director will be responsible for ensuring that the work is reappraised by an appropriate faculty member, ensuring anonymity of both the student and the reappraiser, and for communicating the result of the reappraisal (including the reappraiser's comments) and the route of appeal to both the student and the course director. The reappraiser will be given the nature of the assignment and the rationale for the original grade. It is expected that every effort will be made to render the decision within 30 days of the reviewer having received the work.

DATE BY WHICH TO REQUEST A GRADE REAPPRAISAL

Requests for grade reappraisals must be submitted by the scheduled date for the term in which a course is completed and the grade released.

Winter term- June 15th
Summer term- September 30th
Fall term – February 15th

In all cases, a minimum of 21 days from the date of the release of grades will be allowed. Whenever the grade reappraisal reflects a grade change, it will be annotated on the student's transcript.

Further Appeal for Reappraisal of a Final BES Course Grade

If the student is not satisfied with a reappraised final course grade, the procedure shall be as follows:

- The course director and the student shall discuss the matter with the Undergraduate Program Director, who may or may not arrange another reappraisal;
- If the matter remains unresolved, the student may appeal the grade by petition on the appropriate form provided by the Office of Student and Academic Services to the BES Program and Admissions Subcommittee, clearly stating the grounds for appeal;
- The decision of the BES Program and Admissions Subcommittee shall be final, and may be appealed to the FES Appeals Committee only on grounds of procedural irregularity.

Reappraisal of Grades Other Than Final Course Grades

If a student is not satisfied with any grade -- other than a final course grade -- received from an instructor or teaching assistant, the student is expected to discuss the matter (and at such time may request a reappraisal) with the person from whom the student received the grade, normally within two weeks. A reappraisal may result in a lower, higher, or unchanged grade. If the student is not satisfied with the result of the reappraisal, the instructor or teaching assistant (where appropriate) shall discuss the matter with the course director. The course director shall decide whether or not to reappraise the student's work, and his/her decision is final for all grades other than final course grades.

In some cases, students may be eligible for deferred standing (an extension) to write a test or final examination or to complete an assignment after the Faculty's deadline for submission of term work. Senate policy states that students must request deferred standing through the department responsible for the course within one week following a missed examination or the last day to submit course work.

Students are responsible for ensuring that full documentation (medical or other) is provided in support of a petition for deferred standing. Application forms are available at the Student Client Services or online at the Current Students Web site at (<http://www.yorku.ca>), click on My Student Records, then My Grades and Transcript.

In cases where a student cannot be expected to complete the work for a course, the phrase "*Aegrotat Standing*" (from the Latin for "she/he is ill") is substituted for a grade on the transcript. *Aegrotat Standing* is seldom granted, and only in exceptional circumstances where deferred standing is inappropriate. For more information, please contact your course director.

The Faculty of Environmental Studies follows the York University undergraduate grading scheme which awards letter grades ranging from A+ to F and assigns a point value from 0 to 9 to each letter grade. The various grades that may be awarded in satisfying the requirements of a BES course or assignment are as follows:

GRADE	POINT VALUE	%	DEFINITION
A+	9	90%+	Exceptional: thorough knowledge of concepts and/or techniques and exceptional skill or great originality in their use.
A	8	80-89%	Excellent: thorough knowledge of concepts and or techniques and a high degree of skill and/or some elements of originality.
B+	7	75-79%	Very Good: thorough knowledge of concepts and/or techniques and a fairly high degree of skill in their use.
B	6	70-74%	Good: good level of knowledge of concepts and/or techniques and considerable skill in their use.
C+	5	65-69%	Competent: acceptable level of knowledge of concepts and/or techniques and reasonable skill in their use.
C	4	60-64%	Fairly Competent: acceptable level of knowledge of concepts and/or techniques and some ability in their use.
D+	3	55-59%	Passing: slightly better than minimal knowledge of concepts and/or techniques and some ability in their use.
D	2	50-54%	Barely Passing: minimum knowledge of concepts and/or techniques needed to satisfy course requirements.
E	1	40-49%	Marginally Failing
F	0	0-39%	Failing

Students whose academic record does not meet Faculty standards are subject to the academic penalties of Academic Warning, Required Withdrawal, Debarment Warning, Debarment and Academic Probation.

Students whose cumulative grade point average falls below 4.00 (C) at the end of any session, or who enter the Faculty with a grade point average equivalent to less than 4.00 (C) on the undergraduate grading scheme, receive an Academic Warning. Students who receive an Academic Warning must achieve a cumulative grade point average of at least 4.00 (C) within the next 24 credits taken, or must earn a sessional grade point average of at least 5.00 (C+) in the session in which the 24th credit is completed and in each subsequent session until the cumulative average reaches 4.00 (C), or be required to withdraw.

Students whose academic record shows a marked weakness may be required to withdraw from their studies for one year, during which time they are encouraged to identify and remedy any problems which may have contributed to their failure to perform up to their potential, and to reflect on their reasons for pursuing a university education. The following regulations apply to required withdrawals:

Grade Point Average Below 3.00 (D+)

Students whose cumulative grade point average on at least 24 credits is below 3.00 (D+) must withdraw for 12 months.

Grade Point Average Below 4.00 (C) and Greater than 3.0 (D+)

Students who have received an Academic Warning for a cumulative grade point average below 4.00 (C) must achieve a cumulative grade point average of at least 4.00 (C) within their next 24 credits taken or earn a sessional grade point average of at least 5.00 (C+) in the session in which the 24th credit is completed and in each subsequent session until the cumulative average reaches 4.00 (C); otherwise, they must withdraw for 12 months. Should the student's cumulative grade point average fall below 3.00 (D+) at any time after completion of 24 credits, they will be required to withdraw.

Students who have been required to withdraw may submit a petition to the Faculty of Environmental Studies Petitions (BES Program and Admissions) Committee requesting permission to continue their studies without interruption. For further information, contact the Office of Student and Academic Services (Room 137 HNES).

Students who have been required to withdraw may apply for reactivation (to continue their studies) after the requisite period of absence by submitting a reactivation form obtainable from the York University Web Site at (<http://www.yorku.ca>), click on My Student Records, then My Academic Status.

Students who return to their studies after such a required withdrawal (as well as those who have been allowed to continue their studies by virtue of a petition to the FES Petitions Committee) will receive a Debarment Warning.

Students who have been required to withdraw from the Faculty of Environmental Studies or from another faculty at York or elsewhere receive will a Debarment Warning upon returning or continuing their studies in the Faculty of Environmental Studies. Students on a Debarment Warning must achieve a cumulative grade point average of at least 4.00 (C) within the next 24 credits taken or earn a sessional grade point average of at least 5.00 (C+) in the session in which the 24th credit is completed and in each subsequent session until their cumulative average reaches 4.00 (C), and must then maintain this average. Students who do not fulfill these conditions you will be debarred from the University. Students whose cumulative grade point average falls below 3.00 (D+) at any time while on a Debarment Warning will be debarred.

Students who have already been required to withdraw because of their unsatisfactory academic record and whose record does not show improvement will be debarred from the University. Debarment, the minimum period for which is normally two years, means that a student is no longer a student at York University.

Petition to Continue Without Interruption

Students who have been debarred may submit a petition to the Faculty of Environmental Studies Petitions Committee requesting permission to continue their studies without interruption. For further information, contact the Office of Student and Academic Services (Room 137 HNES).

Reapplying After Debarment

Students who have been debarred and who wish to resume their studies must apply for admission through the Admissions Office, and must provide persuasive evidence that they are ready and able to complete a degree program.

Debarment Warning Remains in Effect

Students who have been debarred and who subsequently resume their studies in the Faculty of Environmental Studies-whether by petitioning to continue without interruption or by reapplying for admission-will receive an Academic Probation.

Conduct that violates the ethical or legal standards of the University community is a serious matter. In particular, any breach of academic honesty is a most serious offense to both the University community and the academic enterprise. Therefore, all faculty members are required to treat any breach of academic honesty, no matter how small the breach may appear, as a most serious matter demanding most thorough investigation. The rules embodied in the University Senate Policy on Academic Honesty apply to all BES students and are described in Appendix One of the FES Academic Regulations. Appendix Two of the FES Academic Regulations describes the Procedures Governing Breach of Academic Honesty.

In the Faculty of Environmental Studies it is a serious offence against academic honesty, among other things, to cheat, to impersonate, to plagiarize or misappropriate the work of others, to practice improper research procedures, to be dishonest in publication, to aid and abet academic misconduct, or to undertake any other action that runs counter to academic honesty. In addition, some forms of breach of academic honesty might constitute offenses under the Criminal Code of Canada. While the pressures of school may be such that a student may feel pressured to breach academic honesty, students must completely resist such pressures. Students who are unsure of what may constitute a breach of academic honesty should consult with the Senate Policy on Academic Honesty (see University Policies and Regulations in the York Undergraduate Calendar), or (<http://www.yorku.ca/secretariat/policies/>).

ENVS 1000 6.0 Earth in Our Hands: Introduction to Environmental Studies

Prerequisite: None.

This course is designed to provide students with an introductory perspective or framework of understanding for environmental studies at the broadest level. The course introduces students to environmental issues, using the urgent, emerging prospect of the fate of the "Earth in our hands" as the main organizing ethical, scientific and practical theme throughout the year. Lecture and tutorial topics range over a number of environmental approaches, drawing on a diversity of arts and sciences, including environmental history, environmental ethics, ecology, economics and planning; and continually emphasizing the fact that environmental studies is fundamentally both an academic and a practical process of learning how to live more sustainably, through integrating better understanding of the natural world with more knowledgeable concern over our growth impacts on that world.

ENVS 1200 6.0 Taking Action: Engaging People and the Environment

Prerequisite: None.

Students learn to identify, research, and act on local/global issues of environmental and social justice. Working in small groups, they develop basic skills in collaborative research, social analysis, action planning and creative communications. The workshop introduces them to the praxis pedagogy of the program, connects them to organizations addressing the issues, and culminates in actions and presentations.

ENVS 1500 6.0 Introduction to Environmental Science: The Web of Life

Prerequisite: None.

This course provides an introduction to key areas of science necessary for the study of environmental problems. It also acquaints students with techniques (including computer techniques) for the description, organization display and interpretation of quantitative data.

Note: This course is not intended for students who have Grade 12 Biology and Chemistry. Students are encouraged to speak to their academic Adviser about an alternative course.

ENVS 1800 6.0 Environmental Writing

Prerequisite: First-year specialty or by permission of the instructor.

This course introduces students to a range of modes of writing in environmental studies. In the process of reading, discussing and practising different kinds of environmental writing, students will develop a variety of writing skills in addition to an appreciation of writing as an important form of environmental action. The course also considers writing in relation to oral traditions and newer technologies.

Note: This course is not intended for ESL students.

ENVS 2009 3.0 Quantitative Methods in Environmental Studies (formerly ENVS 3009)

Prerequisite: None.

An introduction to the skills necessary to pursue and understand statistical data analysis. Topics include: graphing, frequency distributions, measures of central tendency, an introduction to probability, statistical inference, hypothesis testing and bivariate regression. Statistical software will be utilized to perform data analysis on the computer.

ENVS 2100 6.0 Foundations in Environment and Culture: Philosophy, Arts, Technology, and Education (formerly ENVS 2100 3.0)

Prerequisite: Second Year standing or by permission of instructor.

This foundational course enables students to develop a rigorous engagement with some of the complex dimensions of environmental culture, and to develop their abilities as engaged cultural actors in varied environmental milieu as artists, critics, scholars and educators. In addition to learning how to read texts and situations critically and carefully, students will develop a cross-cultural, cross-disciplinary, environmentally grounded array of creative skills.

The course prepares students to address such issues as: the historical, conceptual and philosophical dimensions of environmental problems; the co-development of social, technological and ecological histories in particular places and globally; the cultural production of environmental issues in literature, the arts and popular culture; relations among nature science and technology in such areas as biotechnology or animal rights; the transformation of environments through literary, visual and performing arts; critical analysis of representations of nature and media literacy; and the contemporary range of environmental and social discourses in diverse cultural and disciplinary traditions and practices.

ENVS 2122 3.0 Community Arts for Social Change

Cross Listed Course: FA/FACS 2122 3.0

Prerequisite: Second Year standing or by permission of instructor.

An introduction to community-based creative practices integral to social change in different historical and cultural contexts. These practices are examined in terms of their form, content, production, and reception from interdisciplinary perspectives.

ENVS 2150 3.0 Environment, Technology and Sustainable Society

Prerequisite: Second year standing or by permission of the instructor.

This course introduces the various technical, socio-political and philosophical issues associated with the concept of sustainable society. Emphasis is placed on the analysis of the complex relationship between humans, technology, nature, ideology and the social infrastructure.

Note: ES/ENVS 2150 3.00 is not open to environmental studies students.

ENVS 2200 6.0 Foundations of Urban and Regional Environments: Analysis, Planning, and Design (formerly ENVS 2200 3.0)

Prerequisite: Second year standing or by permission of instructor.

This course focuses on the interrelationships of the ecological, social, built and organizational environments within the urban and regional setting. It provides a critical understanding of urban and regional environments along with a solutions-based approach to addressing urban and regional issues with an explicitly environmental perspective. Students will attain a thorough knowledge of the theories, histories and current issues of urbanization and regionalization and their effect on environments, but also learn practical methods of analysis and intervention in different human settlements. With the Greater Toronto Area as a field laboratory, there will be an emphasis on application and involvement.

ENVS 2300 6.0 Foundations of Environmental Politics: Development, Globalization, and Justice (formerly ENVS 2300 3.0)

Prerequisite: Second year standing or by permission of instructor.

The course examines how communities and environments are being dramatically transformed by the globalization of economies and cultures. It analyzes the reasons for this transformation as well as responses to them at local, regional, national and international levels. It explores competing approaches to environmental politics, development and justice that are being formulated and put into practice by a variety of governmental, non-governmental and international actors.

ENVS 2400 6.0 Foundations of Environmental Management: Policy, Resources and Conservation (formerly ENVS 2400 3.0)

Prerequisite: Second year standing or by permission of instructor.

Drawing on the natural and social sciences, this course examines the role of policy and management strategies in addressing environmental, nature resource and conservation challenges, in ways supportive of sustainable development. It provides an overview of the concepts, knowledge and skills that are needed to be effective in environmental policy and management in government, business and not-for-profit sectors.

ENVS 2410 3.0 The Science of Pollution: Impacts on the Environment and Human Health

Prerequisite: ES/ENVS 1500 6.0 or equivalent (such as BIOL 1010 6.0, GEOG 1400 6.0), or permission of the instructor.

The course introduces students to the major scientific concepts and principles that govern the origin, fate and effect of pollutants in the environment. Topics include fossil fuel and alternative energy sources, atmospheric pollution, heavy metal and pesticide toxicology, organic sewage and endocrine disrupters. Further objectives of this course are to develop students' ability to analyze, manipulate, present and interpret scientific data and to develop the students' ability to review and critique scientific reports on scientific problems.

Course Credit Exclusion: ENVS 2500 6.0-Environmental Studies students will not be given degree credits towards their degree program for ENVS 2400 3.0 or ENVS 2420 3.0 if they choose to take the latter.

ENVS 2420 3.0 Ecology and Conservation Science

Prerequisite: ES/ENVS 1500 6.0 or equivalent (such as BIOL 1010 6.0, GEOG 1400 6.0), or permission of the instructor.

The purpose of the course is to present the main scientific concepts and principles of ecology and conservation science that are applicable to environmental problems frequently encountered in Environmental Studies. Topics include diagnosing species declines, conservation genetics, ecology of invasive species, habitat fragmentation, national parks, and ecotourism. The more specific objectives of this course are to: give critical reflection on how these concepts are used; develop students' ability to analyze, manipulate, present and interpret scientific data; and develop the students' ability to review and critique scientific reports on scientific problems.

Course Credit Exclusion: ENVS 2500 6.0 -Environmental Studies students will not be given degree credits towards their degree program for ENVS 2400 3.0 or ENVS 2420 3.0 if they choose to take the latter.

ENVS 3000 3.0 Environmental Ethics and Epistemology (formerly Environmental Ethics)

Prerequisite: Third or Fourth year standing and completion of 6 credits in Environmental Studies or by permission of the instructor.

This course identifies, examines, and compares ethical perspectives from diverse traditions with a particular focus on the interplay of ethics and epistemology, and metaphysical issues and their relationship to underlying cultural, environmental and spiritual values. Individual ethics and practical applications in "living a good life" will be explored.

ENVS 3010 3.0 Qualitative Methods in Environmental Studies

Prerequisite: Third or Fourth year standing and completion of 6 credits in Environmental Studies or by permission of the instructor.

After a discussion of the logic of qualitative research, selected qualitative methods will be examined in detail. Topics include: field research, participant and non-participant observation, interviews, oral history, field experiments, participatory action research, non-obtrusive research, grounded theory and the analysis of qualitative data.

ENVS 3011 3.0 Introduction to Senior Honours Work

Prerequisite: Third year ENST standing with Environmental Studies as Major 1.

This course prepares students for their fourth year Senior Honours Work around selected interdisciplinary themes proposed by faculty members around their research interests. Sections organized by faculty members will explore appropriate methods and will help students develop proposal for major papers or major projects that relate to the theme. This course lays the groundwork for ES/ ENVS 4000 6.00, Senior Honours Work Seminar.

Note: Third-year standing means the student has completed 54 or more credits that are creditable to the BES Program; credits counting towards a concurrent BEd degree cannot be included in this total. Because this course is a prerequisite for ENVS 4000 6.0 Senior Honours Work and because ENVS 4000 6.0 Senior Honours Work is intended for students in the final year of their BES degree program, students taking more than four academic years to complete their degree program will be permitted to enrol in ENVS 3011 3.0 Introduction to Senior Honours Work only in the second last year of their degree program. This course is not open to students pursuing a 90 credit BES degree.

ENVS 3110 3.0 Scientific Knowledge and Environmental Issues

Prerequisite: ES/ENVS 2410 3.0 or ES/ENVS 2420 3.0 or by permission of the instructor.

This course explores links between environmental science and its application to identifying and resolving environmental issues. It starts with an examination of the nature of scientific knowledge. Case studies then critically examine scientific knowledge, in particular how environmental scientific knowledge has or has not affected environmental policies, environmental programs and the state of the environment and how they, in turn, affect the production of scientific knowledge.

ENVS 3120 3.0 Environmental History NOT OFFERED

Prerequisite: Third or Fourth year standing or by permission of the instructor.

The course examines the culture-environment relationship in historical perspective. The focus is on ways in which social change is triggered by environmental change and vice-versa. Case studies illustrate general patterns of change, such as those associated with the introduction of alien species, new modes of agricultural production.

ENVS 3122 3.0 Community Arts Practice Preparatory Workshop

Cross Listed Course: FA/FACS 3122 3.0

Prerequisite: ES/ENVS 2122 3.0 Community Arts for Social Change

This preparatory workshop lays the groundwork for the fourth-year Community Arts Practice Practicum (ENVS 4122/FACS 4122 6.0). Students identify socially-based projects with cultural organizations or community groups and negotiate an agreement to develop a collaborative cultural production over the subsequent year.

ENVS 3125 3.0 Popular Education for Environmental and Social Justice

Prerequisite: Third or Fourth year standing, or permission of the instructor.

Students explore the key notions of popular education related to knowledge and power, and various forms of anti-oppression practice addressing racism, sexism, classism, homophobia, ableism, and human/non-human domination in the context of organizations and movements for social and environmental justice in a globalizing and diasporic context.

ENVS 3130 3.0 Energy and the Environment in Canada

Prerequisite: ES/ENVS 2400 6.00 or permission of instructor.

The course focuses on relationships between socio-economic development, energy use, and the environment in Canada. Energy sources, energy end use, energy technology, and energy institutions as well as the social and ecological impacts of energy use are examined. Energy systems supportive of sustainable development are explored.

ENVS 3140 3.0 Environmental and Sustainability Education (formerly Environmental Education)

Prerequisite: Third or Fourth year standing or by permission of the instructor.

The course explores concepts and practices in environmental education in the widest sense, comprising formal, informal and aboriginal education ideas. The course takes a critical and historical and cultural approach to environmental education with an emphasis on developing and practicing sustainable perspectives on how people learn about think about and remember the natural environment.

ENVS 3150 3.0 Human/Non-Human Animal Relations

Prerequisite: Third or Fourth year standing or by permission of the instructor.

This course dwells within the emergent field of animal studies, and will consider a diverse range of human relationship to other animals. The foundation of the course is a contemporary, post-Cartesian vision of animals, with an emphasis on the relational knowledge that is made about, and between humans and other animals from a cultural and environmental studies perspective. The course enables students to develop a creative and rigorous engagement with some of the complex dimensions of such issues as: the historical and philosophical scope of animal studies; animal agency, sociality and consciousness; animal representations in literature, the arts and popular culture; animal advocacy, social movements and humane education; and animal questions in science and technology.

ENVS 3151 3.0 Environmental Politics and Advocacy

Prerequisite: Third or Fourth Third or fourth year standing and completion of any environmental studies course, or permission of the instructor.

This course introduces students to a range of approaches and issues in environmental politics and advocacy. Themes include: political dimensions of contemporary environmental problems; main currents in environmental political thought; and relations between governmental and non-governmental organizations in environmental advocacy.

ENVS 3160 3.0 Race/Racism and Environmental Justice

Prerequisite: Third or Fourth year standing or by permission of the instructor.

The course examines the intersection of race/racism and environmentalism. It begins from the premise that environmental issues are always already racialized. Issues as diverse as toxic facility siting, environmental assessment practices, ecological philosophies and popular nature representations (re)produce powerful assumptions that turn on racist/racialized constructs. Discussion may include: the history and current practices of environmental justice movements; questions of race and representation in green politics; the significance of environmentalism's silence about race; cross-cultural and anti-racist environmental politics; and postcolonial perspectives on "global" environmental issues.

ENVS 3170 3.0 Indigenous Environmental Thought

Prerequisite: Third or Fourth year standing or by permission of the instructor.

This course will explore various Traditional Aboriginal processes of "coming to know" the environment. Students will be guided through an examination of these Aboriginal relationships, as they existed traditionally, through times of critical change, and into the present. The underlying theme of this course will focus on individual, regional, and national ways of "being and becoming" environmentally responsible moving outwards towards a Global responsibility.

ENVS 3222 3.0 Urban and Regional Infrastructures: A Critical Introduction

Prerequisite: Third or Fourth year standing or permission of the instructor.

Course Credit Exclusion: ES/ENVS 3800L 3.00.

An introduction into urban and regional infrastructures. The course examines the history of and current issues surrounding hard (water, transportation, etc.) and soft (social) infrastructures in processes of (sub)urbanization from an urban political ecology perspective.

ENVS 3225 3.0 Regional Governance

Prerequisite: Third or Fourth year standing or permission of the instructor.

This course builds on ENVS 2200 6.0 which is recommended.

Regional governance includes the government and civic organization of all aspects of life in an (urban) region. This course introduces concepts of the region, regionalism, regional government and regional economic development. While the course has an international perspective, there will be a strong focus on historical and current regional governance in the Toronto urban region. Particular attention will be paid to issues related to environmental governance, bioregional issues and watershed planning and management.

ENVS 3226 3.0 Sustainable Urbanism: Environmental Planning and Design

Prerequisite: Third or Fourth year standing or permission of the instructor.

This course builds on ENVS 2200 6.0 which is recommended.

Planning and design of sustainable human environments is explored in this course. Consideration of the ecological, social and economic impacts of past and present and alternative future settlement patterns and processes provides the context for discussion. The focus of study is the GTA, although international examples will be used.

ENVS 3227 3.0 Urban Planning and Practice in the Global South

Prerequisite: Third or Fourth year standing or permission of the instructor.

Course Credit Exclusion: ES/ENVS 3800N 3.00.

This course examines urban planning practice in developing countries as a response to the problems in the cities of the Global South. It examines the origins and evolution of urban planning taking into account political, social, economic, and cultural circumstances, by examining case studies from Asia, Africa and Latin America.

ENVS 3230 3.0 Restoration Ecology

Offered Summer 2011

Prerequisite: Third year standing or by permission of instructor.

This course explores the theoretical, biophysical and applied dimensions of restoration ecology. The course examines the circumstances surrounding policy, design and planning, and implementation of ecological restoration. It investigates many approaches (techniques and methods) enhancing the ecological integrity of degraded sites. The regional focus of the course is the Greater Toronto bioregion though lessons and experiences will relate to broader issues of ecological restoration.

ENVS 3310 3.0 Tropical Conservation and Sustainable Development (formerly Environment and Development)

Prerequisite: Third or Fourth year standing and completion of 6 credits in Environmental Studies or by permission of instructor.

This course is a study of the theory and practice of conservation as applied to sustainable development in tropical environments. Emphasis on the integration of ecological, cultural and institutional dimensions in conservation practice for sustainability.

ENVS 3320 3.0 Sex, Gender, Nature: Ecofeminist Perspectives

Prerequisite: Third or Fourth year standing and completion of 6 credits in Environmental Studies or by permission of instructor.

This course acquaints students with literature and advocacy that celebrates 'intersections' between women/gender and nature. Attention is given to various approaches, and biological, social, cultural and spiritual perceptions, through course activities involving experience, reflection, creative representation, reading, discussion, and writing.

ENVS 3340 3.0 Global Environmental Politics

Prerequisite: Third or Fourth year standing and completion of 6 credits in Environmental Studies or by permission of instructor.

The course examines the interrelationship between globalization and environment. It analyzes the historical development of the global environmental system and theoretical approaches to understanding the global environment. It considers the main actors, institutions and legal instruments related to global environmental issues. The environmental impacts of, and political responses to, such phenomena as global warming, trade, structural adjustment, transnational corporate activity, foreign aid, environmental security and biodiversity depletion are studied.

ENVS 3400 3.0 Introduction to Climate Change Science and Policy

Prerequisite: Third or Fourth year standing or permission of the instructor.

This course builds on ES/ENVS 1500 6.00 and ES/ENVS 2420 3.00.

Course Credit Exclusion: ES/ENVS 3800M 3.00.

This course is intended to provide a critical overview of the field with particular attention paid to emerging trends in science and planning systems. Description of the theoretical underpinnings of planning, the application and development of Decision Support Systems, as well as the introduction of case studies, will provide students with the background needed to deal with the particularities of regional planning issues of CCA.

ENVS 3410 3.0 Environmental Policy I

Prerequisite: Third or Fourth year standing or permission of the instructor.

The formulation of environmental policy is the focus its underlying scope, concepts, legal bases, methodologies. Case studies illustrate the interaction of environmental policy with other policy areas: foreign and trade policy, economic and social policy. Critical review of how policy is created participants, effects, burdens and benefits.

ENVS 3420 3.0 Environmental Law

Prerequisite: Third or Fourth year standing and completion of 6 credits in Environmental Studies or by permission of instructor.

Introduction to basic legal concepts: sources of law, legal remedies, common law, administrative law. Planning acts, environmental protection acts and environmental assessment

acts. Litigation processes, hearing boards, and their operation. Critical review of environmental legal concepts and their social, economic and environmental effects.

ENVS 3430 3.0 Environmental Assessment

Prerequisite: Third or Fourth year standing and completion of 6 credits in Environmental Studies or by permission of instructor.

The course provides a critical overview of the theory and practice of environmental assessment (EA). Course objectives include gaining familiarity with the fundamentals of EA; exploring substantive and process-oriented issues through case studies; and practising methods and techniques. EA is examined broadly as a management and decision-support tool with applications at the project, planning and policy levels.

ENVS 3440 3.0 Resource Management

Prerequisite: Third or Fourth year standing and completion of 6 credits in Environmental Studies or by permission of instructor.

Current theories of resource management, methods, information and decision-making are reviewed critically. Ethical, cultural, social, and economic perspectives on resource management are explored through case studies.

ENVS 3450 3.0 Environment and Health: Social and Political Dimensions

Prerequisite: Third or Fourth year standing and completion of 6 credits in Environmental Studies or by permission of instructor.

The overall purpose of this course is to develop a broader and critical framework that can be used to understand how human health is influenced by the larger cultural, ecological and political-economic forces at work in contemporary society. Topics include: socio-political aspects of toxicological risk management, environmental epidemiology, the precautionary principle and social movements and environmental health.

ENVS 3505 3.0 Business and Sustainability: Issues and Strategies

Prerequisite: Third or Fourth year standing or by permission of the course director.

An introduction to key dimensions of business and sustainability including: what is sustainability?; "values-driven" business models and practices; eco-production in key economic sectors (food, manufacturing, energy, building); financing sustainability; indicators of sustainability; green regulation; and green business strategies.

ENVS 3510 3.0 Environmental Economics

Prerequisite: Third or Fourth year standing and completion of 6 credits in Environmental Studies or by permission of instructor.

The application of economic principles to environmental issues is introduced and critically reviewed. Linkages between economic factors, social processes and natural environments are explored. The use of economic principles in deriving solutions to issues of pollution control, resource depletion and environmental regulation is explored.

ENVS 3520 3.0 Applications of Geographic Information Systems in Environmental Studies

Prerequisite: Third or Fourth year standing and completion of 6 credits in Environmental Studies or by permission of instructor.

This course provides students with an introduction to the application of Geographic Information Systems (GIS) as they are commonly used to address contemporary environmental issues. Various applications, techniques and theoretical frameworks are presented to provide a critical appreciation of this geo-spatial technology. Students gain hands-on experience using industry standard software products and associated technologies (i.e. global positioning systems) to increase their ability to apply these computer-based methods of geographic inquiry. A wide range of case studies, research projects and laboratory assignments are used to demonstrate the principles of the growing area of study.

ENVS 3521 3.0 Environmental Remote Sensing **Cross-listed Course: AP/SC/GEOG 3440 3.0**

Prerequisite: AP/SC/GEOG 2420 3.00, or ES/ENVS 2009 or ES/ENVS 3009 and one 2000-level environmental studies theme foundation course; or written permission of the course director.

This course represents an introduction to the methods in which remote sensing data are collected, processed and analyzed. An emphasis is placed on environmental applications. The synergy between the technologies of remote sensing and geographic information systems (GIS) is also stressed. Two lecture hours, two laboratory hours. One term.

Course Credit Exclusion: AP/SC/GEOG 4390T 3.00.

ENVS 3710 3.0 Landscape Ecology

Prerequisite: Third or Fourth year standing and completion of 6 credits in Environmental Studies or by permission of instructor.

This course examines the interactions between ecological processes and spatial patterns. It reviews the basic principles of ecology and ecological interactions. It emphasizes applied and theoretical approaches to study landscape ecology patterns and dynamics of ecosystems, and ecological processes, and the implications for degraded environments.

ENVS 3740 3.0 Urban Ecology

Prerequisite: Third or Fourth year standing and completion of 6 credits in Environmental Studies or by permission of instructor.

This course examines the challenges and potentials of incorporating ecological factors in urban systems. Lectures, field trips, readings and discussion provide the framework for the understanding of natural processes and cultural patterns and practices in the urban landscape. Functional and structural contexts are examined in relationship to the dynamics of natural urban ecosystems. Different urban environments and design projects provide a framework of systemic inquiry, criticism and interpretation.

ENVS 3760 3.0 Plant Ecology

Offered Summer 2011

Prerequisite: Third or Fourth year standing and completion of 6 credits in Environmental Studies or by permission of the instructor.

This course provides an introduction to a broad range of native plants through their particular relationships to plant communities, physiological characteristics, environmental conditions and patterns. Basic concepts of plant ecology are reviewed prior to intensive field visits emphasizes plant identification, dynamics and distribution in various natural and/or urban ecosystems and plant communities.

ENVS 3800D 3.0 Environmental Perspectives on Canadian Consumer Society

Prerequisite: Third or Fourth year standing or by permission of the course director.

This course will introduce students to foundational work in the sociology and political economy of consumption as well as recent scholarship on various initiatives linked to "ethical" and "green" consumption (initiatives challenging mainstream consumption and commodification processes and behaviours)

ENVS 3800P 3.0 Water: History, Culture, Politics

Prerequisite: Third or Fourth year standing or by permission of the course director.

This course will reflect on the way cultural understandings help to shape political and ecological relationships with water. It will examine current issues such as toxic contamination, dam construction, mining, Indigenous water rights, water commons, privatization and commodification, placing emphasis on water's particular relationship to power. We will approach water simultaneously as a potent symbol and metaphor, as a subject of memory and emotional attachment, and as a key site of struggle for environmental justice.

ENVS 3810A 3.0/6.0 International Field Experience: Ecology and Sustainability in Costa Rica

Prerequisite: Third or Fourth year standing and by permission of the instructor.

The study, through direct field observation, of the theory and principles of ecology as these apply to sustainable development in tropical environments, specifically in Costa Rica. The principle objective is to provide first hand experience in basic and applied research in ecology. Field activities are designed to foster an understanding of the nature, distribution and human use of tropical environments, particularly as these relate to sustainable development in rural areas. The goal is an understanding of the interrelationships between environment and development in the Neotropics.

Note: This course is only open to students who are selected to participate in International Field work.

Course Credit Exclusions: ES/ENVS 4810 3.0/6.0 Ecology and Sustainability in Costa Rica.

ENVS 4000 6.0 Senior Honours Work Seminar

Course Team: Supervisors of individual students' Senior Honours Work as approved in ENVS 3011 3.0 Introduction to Senior Honours Work in previous Winter term.

Prerequisite: ENVS 3011 3.0 Introduction to Senior Honours Work and fourth-year ENST standing with Environmental Studies as Major I.

Students develop their own interests in the context of a collaborative project around select themes led by a faculty member's research interests, connected with the areas of concentration, developed through a seminar. Senior Honours Work includes multiple approaches and outcomes within two broad categories: 1) Major Paper (research paper, synthesis paper, literature review, content analysis, literary work, etc.). 2) Major Project (workshops, cultural productions, studio, field project, etc. - accompanied by a reflection paper).

ENVS 4011 3.0 Food, Land, and Culture

Prerequisite: Fourth year standing and completion of 6 credits in Environmental Studies or by permission of the instructor.

This course examines food, land, and culture from a critical interdisciplinary environmental perspective. Students have the opportunity to pursue their own interests related to food politics, planning, sustainable and alternative agriculture, human-animal relationships and ethics, from a local and/or global perspective.

ENVS 4041 6.0 Alternative Economic Firms and Arrangements

Cross-listed to: AP/SOSC 4041 6.0

Prerequisite: Fourth Year Standing or by permission of the instructor.

This course investigates alternatives to capitalist corporations that are characterized by some degree of mutuality, such as co-operatives and worker-owned firms. Key issues examined include the competitiveness of alternatives and their desirability on other grounds, including contributions to local economic development.

ENVS 4100 3.0 Environmental Literatures

Prerequisite: Third or Fourth year standing, or permission of the instructor.

This course builds on ES/ENVS 1800 6.0 which is recommended.

This course will explore the role of literature and literary criticism (including eco criticism) in interpreting, creating, and transforming environmental discourse and politics. It will take up questions concerning the historical development of environmental and nature writing, and will explore a variety of contemporary genres that call older traditions to account. Through the close reading of a diverse collection of literary texts (poetry, novels, short stories, plays, etc.), we will examine and practice a number of different approaches to defining, reading and critiquing environmental literatures.

ENVS 4110 3.0 Conservation Biology
Cross-listed Course: SC/BIOL 4245 3.0
(Formerly BIOL 4170G 3.0)

Prerequisites: SC/BIOL 2010 4.00; one of SC/BIOL 2030 4.00, SC/BIOL 2031 3.00; SC/BIOL 2040 4.00; SC/BIOL 2050 4.00; or permission of the instructor.

This course explores the role of biological science in efforts to conserve natural resources, systems and the organisms therein. Two lecture hours, three laboratory hours.

ENVS 4111 3.0 Biodiversity

Cross-listed Course: SC/BIOL 4255 3.0

Prerequisite: Completion of 60 credits towards a degree in Biology or Environmental Studies, or by permission of the instructor.

We do not know the number of species on Earth, even to the nearest order of magnitude. This course discusses the factors that influence the number of species in an area and the importance of biodiversity to humanity. Two lecture hours, three laboratory hours.

Course Credit Exclusion: SC/BIOL 4255 3.0

ENVS 4120 3.0 Natural History

Prerequisite: Third or Fourth year standing and completion of 6 credits in Environmental Studies or by permission of the instructor.

The course explores the beliefs, theories and practices of naturalists, through readings as well as visits to sites of natural history. It examines the ways in which current approaches to natural history are products of the historical development of the field, and reflect assumptions regarding scientific knowledge formation and practice.

ENVS 4122 6.0 Community Arts Practice Practicum Workshop

Cross Listed Course: FA/FACS 4122 6.0

Prerequisite: ES/ENVS 2122 3.0 and ES/ENVS 3122 3.0

This course provides students with an opportunity to implement proposals developed in the third-year Community Arts Practice Preparatory Workshop (ENVS 3122/ FACS 3122) by immersing them directly in a creative production in collaboration with cultural and/or community organizations to educate and advocate around social-political issues.

ENVS 4123 3.0 Environment and Behaviour
NOT OFFERED

Integrated Course: ES/ENVS 5123 3.00

Prerequisite: Third or Fourth year standing or permission of the instructor.

Introduction to the study of human responses to the environment. Emphasis is on built social and natural aspects of environment. Examples are drawn from environmental psychology, environmental sociology, behavioural geography, and environmental health.

ENVS 4140 3.0 Environmental Thought

Prerequisite: Third or Fourth year standing or permission of the instructor

The course is an introduction to diverse ways of seeing and understanding nature. An historical perspective on the development of environmental thought leads to an exploration of various perspectives and critiques of the standard scientific and technological approaches to understanding nature, as offered by alternative schools of thought such as humanists, deep ecologists and ecofeminists.

ENVS 4161 3.0 Social Movements, Activism and Social Change

Prerequisite: Fourth years standing or permission of the instructor.

This course examines new social movements that have arisen in response to the crisis of industrial culture, economic restructuring, shifting political formations and ecological disasters. The course focuses on current theories of social movements, contested issues and case studies of social movements in action and is intended to provide opportunities for students to gain first hand experience with social movement organizations through participatory research projects.

ENVS 4205 3.0 HIV and Globalization: Where do we go from here? NOT OFFERED

Prerequisite: Third or fourth years standing or permission of the instructor.

This course will study the AIDS pandemic in the context of the uneven impact of globalization processes. Our framework for understanding 'global AIDS' will stretch beyond biomedical and behavioral theories. We will focus on the social and environmental determinants of HIV risk through an examination of the structural barriers to health protection.

ENVS 4210 3.0 Global Populations: Critical Environmental Perspectives

Prerequisite: Third or Fourth year standing and completion of 6 credits in Environmental Studies or by permission of the instructor.

The course examines the trends, causes and consequences in population growth and movements across the globe. It studies the environmental impacts of rises in population, global refugee and immigration patterns and their socio-environmental consequences, and the influence of new immigrants and 'diasporas' on national identity and culture. Case studies explore existing and alternative family planning policies, the enhancement of women's status through educational, health and employment strategies, and immigration and multicultural policies in developed and developing countries.

ENVS 4215 3.0 Globalization and Indigenous Peoples

Prerequisite: Third or Fourth year standing and completion of 6 credits in Environmental Studies or by permission of the instructor.

Indigenous peoples are distinct communities who have experienced the processes of globalization in particular ways. This course reviews the global historical processes of imperialism and colonialism and their legacies of racism,

assimilation and marginalization. The course then examines Indigenous peoples' resistance to globalization and engagement with global networks and institutions, in order to protect their cultures and assert their rights.

ENVS 4220 3.0 Urbanization in Developing Countries

Prerequisite: Third or Fourth year standing and completion of 6 credits in Environmental Studies or by permission of the instructor.

The key issues of cities in the Third World are addressed, including squatter settlements, rural-urban migration, urban agriculture, housing, urban transport, basic services (water, sanitation, waste management, health and education), urban governance, socio-cultural diversity and urban environmental planning. Case studies demonstrate public policies and their link to socio-economic, cultural and environmental issues.

ENVS 4223 3.0 Global Cities

Integrated Course: ES/ENVS 5023 3.00

Prerequisite: Fourth year standing and completion of 6 credits in Environmental Studies or by permission of the instructor.

This course offers an introduction to the literature on global cities and a systematic review of a distinct field of research in urban studies which concerns itself with the globalization of a network of global or world cities.

ENVS 4225 3.0 Urban Sustainability I (formerly ENVS 3220 3.0)

Prerequisite: Third or Fourth year standing, or permission of the instructor.

This course builds on ES/ENVS 3225 3.0 which is recommended.

The course takes a conceptual approach to defining "sustainability" for urban areas, considering patterns of land use, human activities, natural systems and needed rehabilitation. Concepts such as urban ecology, social ecology, the ecological footprint etc. will be discussed. Social sustainability, environmental justice and urban governance are central to the course design. Case studies explore ways of making urban areas more sustainable.

ENVS 4230 6.0 Design for Sustainability in the Built Environment: Interactive Workshop

Prerequisite: Third or fourth-year standing and by permission of the instructor only.

This course explores the principles and best practices in sustainable building design and sustainable development in an urban context. It takes an international perspective on the issues. The interactive workshop format actively engages students to collaborate in small groups to complete exercises and to plan and participate in an inter-disciplinary design charrette.

ENVS 4312 3.0 Global Justice and Humanitarian Internationalism (formerly ENVS 4311 3.0)

Cross-listed to: AP/POLS 4212 3.0

Prerequisite: Third or Fourth year standing or permission of the instructor.

In the context of international humanitarianism and advocacy, this course provides a general introduction to international justice, drawing on basic philosophical ethics. It begins with theoretical schools of thought to then enable students to apply ethical analysis to particular controversies.

ENVS 4315 3.0 Humanitarian Crises and Action

Prerequisite: Third or fourth-year standing and completion of 6 credits in Environmental Studies, International Development, Global Studies or International Relations (Political Science) or by permission of the instructor.

Humanitarian crises, causing or threatening mass deaths, include environmental disasters, famines, epidemics, mass persecution and displacement, genocide and war. Reactive, reconstructive and preventive humanitarian action and its organizational forms and context are examined in relation to the descriptive and causal analysis of crises. Complex emergencies are emphasized. Cases, recurrent patterns and relevant theories are covered.

ENVS 4320 3.0 Gender & Development

Prerequisite: Fourth-year standing or permission of the instructor.

The course presents an overview of gender and development analysis as a framework for considering the role of women in third world development. Consideration of theories and concepts leads to case studies illustrating issues and practices.

ENVS 4400 3.0 Fundamentals of Renewable Energy: Theory, Policy and Practice

Prerequisite: Third or Fourth-year standing or permission of the instructor.

The course is designed to provide students with a critical understanding of key renewable energy options for electricity generation, heating and cooling of buildings and transportation. Students will be introduced to a critical analysis of renewable energy as a strategy for climate change mitigation, community empowerment, industrial development, and energy security.

This course builds on ENVS 3130 3.00.

ENVS 4401 3.0 Fundamentals of Energy Efficiency: Theory, Policy and Practice in a Canadian Context

Prerequisite: Third or Fourth-year standing or permission of the instructor.

This course is designed to allow students to explore the policy and technical dimensions of energy efficiency and energy conservation in greater depth, with particular focus on potential contributions to sustainability of energy systems and climate change mitigation in a Canadian context.

This course builds on ES/ENVS 3130 3.00.

ENVS 4402 3.0 Climate Change Mitigation

Prerequisite: Third or Fourth-year standing or permission of the instructor.

Course Credit Exclusion: ES/ENVS 4455 3.0

This course expands on the concepts presented in ES/ENVS 3400 3.00 and examines in detail current and future options to reduce emissions at different government levels and prospects for multilateral and local collaborations. The course also critically analyzes the design, implementation and performance of domestic and international mitigation policy initiatives.

Completion of either ES/ENV 3130 3.00 or ES/ENVS 3400 3.00 is strongly recommended.

ENVS 4410 3.0 Environmental Policy II

Prerequisite: Third or Fourth year standing and completion of 6 credits in Environmental Studies or by permission of the instructor.

The course presents a theory of policy development, covering the roles of various groups such as the public, NGOs, the media and industry and applies the theory to the processes of international Conventions and Protocols. These include the Canada/US Boundary Waters Treaty, and the Canada/USA Air Quality Accord. This course covers some of the mechanisms that use environmental science to establish Convention on Substances that Deplete the Ozone Layer, the Convention on Biological Diversity, The Framework Convention on Climate Change and the Kyoto Protocol.

ENVS 4420 3.0 Environment, Media, Culture and Communication

Prerequisite: Third or Fourth year standing and completion of 6 credits in Environmental Studies or by permission of the instructor.

Media and communication technologies both shape and are shaped by cultural constructs, institutions and practices. This course will examine how the environment is framed and contested through dominant and alternative media, applying critical media, communication and cultural studies theories (such as political economy, textual analysis and audience reception). A variety of media forms will be explored (print and broadcast, photography and video, Web-based and digital media, spoken word and performance etc.) through active critique and creative cultural production.

ENVS 4421 3.0 Environmental Law & Justice: Stories and Struggles

Integrated Course: ES/ENVS 5061 3.0

Prerequisite: Third or Fourth year standing, or permission of the instructor.

This course examines and evaluates how contemporary advocates employ law to protect the environment, secure equal access to environmental health, and contribute to social justice.

This course builds on ES/ENVS 3420 3.0 which is recommended.

ENVS 4430 3.0 Impact Assessment Process & Practice

Prerequisite: ES/ENVS 3430 3.0 or permission of the instructor.

The current processes and practices of environmental and social impact assessment are critically reviewed through case studies. Emerging conceptual and methodological issues in the field are explored in the context of actual practice situations.

ENVS 4440 3.0 Environmental Disasters

Prerequisite: Third or Fourth year standing and completion of 6 credits in Environmental Studies or by permission of the instructor.

The overall objective of this course is to gain an understanding of the causes and responses to natural and technological disasters. An in-depth examination of various case studies of disasters will be used to illustrate the principles involved. Topics include the history of disaster research, emergency management, normal accidents and the psychosocial impacts of disasters.

ENVS 4442 3.0 Environmental Auditing

Prerequisite: Third or Fourth year standing and completion of 6 credits in Environmental Studies or by permission of the instructor.

This course focuses on the principles, processes and techniques of environmental auditing and management systems (e.g. ISO 14001). A highlight of the course requires the students to conduct, in a team setting, an on-campus environmental audit, which includes a formal presentation of findings and a final audit report. Concepts of environmental monitoring, environmental risk assessment and occupational health and safety are also addressed through lectures, class discussions, demonstrations and assignments.

ENVS 4445 3.0 Environmental Conservation in Ontario: Policy and Applications NOT OFFERED

Prerequisite: Third or Fourth year standing and completion of 6 credits in Environmental Studies or by permission of the instructor.

Examines current and emerging conservation policy and conservation applications in Ontario, including the Greater Toronto Area. Examples of conservation in Ontario to be critically examined include: Protected areas policy, regulatory frameworks, Ontario's Conservation Authorities, land stewardship, citizen engagement with conservation, heritage trusts, the Bruce Trail Association, ecotourism and protection of biodiversity in Northern Ontario.

ENVS 4446 3.0 Protected Area Management

Integrated Course: ES/ENVS 5016 3.00

Prerequisite: Third or Fourth year standing and completion of 6 credits in Environmental Studies or by permission of the instructor.

This course will explore protected area management, which is a form of environmental management focusing on an area of land and/or freshwater/sea especially dedicated to the protection and maintenance of biological diversity, and of natural and associated cultural resources, and managed through legal or other effective means.

ENVS 4447 3.0 Northern Ecosystems: A Natural History of Arctic Regions

Prerequisite: Third or Fourth year standing and completion of ENVS 1500 6.0 or by permission of the instructor.

This course examines the interactions between species and their environment in northern terrestrial and marine habitats. We review the postglacial history, climate, and energy flow in boreal and arctic ecosystems and examine evolutionary adaptations to cold, highly-seasonal environments. We consider strategies for wildlife management and conservation and the threats posed by climate change, resource development, and pollution.

ENVS 4510 3.0 Ecological Economics

Prerequisite: Third or Fourth year standing and completion of 6 credits in Environmental Studies or by permission of the instructor.

This course builds on ES/ENVS 3510 3.00

This course provides an introduction to the emerging field of ecological economics. Areas of focus include the appropriate

scale of the economy in relation to the environment, the role of discount rates in mediating intergenerational and interspecies equity, environmental valuation, full-cost accounting, environmental risk assessment, and the application of thermodynamic and ecological principles in economic analysis.

ENVS 4520 3.0 Geographical Information Systems Applications in Environmental Studies

Prerequisite: ENVS 3520 3.0 or the permission of the instructor.

This course focuses on advanced applications of Geographic Information Systems (GIS) to topics related to planning and resource management. The technical aspects of GIS applications will be explored along with considerations related to database development. Students will gain hands-on experience with data input through scanners and digitizers, and with GIS analyses using both vector and raster data models. A significant part of the course will involve the development of a GIS database for analysis through group projects.

ENVS 4521 3.0 Remote Sensing and Image Processing for Geographical Analysis and Environmental Monitoring

Cross-listed to: AP/GEOG 4440 3.0 and SC/GEOG 4440 3.0

Prerequisite: AP/GEOG 3440 3.00 or ES/ENVS 3521 3.00 or SC/EATS 4220 3.00 or written permission of the course director.

Sophisticated methods and techniques for collecting, processing and analyzing remote sensing data are examined. Special topics include image enhancement techniques (e.g. texture transforms), non-traditional image classification and data integration for incorporation of remote sensing data products into geographic information systems (GIS). One and one-half lecture hours, one and one-half laboratory hours. One term.

Course Credit Exclusion: AP/SC/GEOG 4390T 3.00.

ENVS 4522 3.0 Internet-Distributed Geographic Information System (GIS) for Public Engagement NOT OFFERED

Prerequisite: Third or Fourth year standing and completion of 6 credits in Environmental Studies or by permission of the instructor.

This course examines the role of geo-spatial information technologies as applied public engagement activities. Students will review literature in areas of social theory, public participation and technology mediated engagement techniques while developing applied knowledge through project design and implementation exercises.

ENVS 4523 3.0 Systems Thinking in Environmental Studies: Theory and Methodologies

Prerequisite: Fourth year standing and by permission of the instructor .

This course addresses fundamentals of general and complex systems thinking (such as general systems theory, complex adaptive systems, chaos theory) major paradigms in systems thinking (functionalist, interpretive, emancipatory, postmodern), and their associated methodologies and applications in environmental studies.

ENVS 4700 3.0 Urban Ecologies Workshop

Prerequisite: Fourth year standing or by permission of the instructor.

The workshop investigates a current urban landscape ecology issue in Toronto. This collaborative project-based workshop is designed to provide students with direct experience in urban ecology research, field investigation, analysis of relevant political, social, economic, environmental, and cultural dynamics, and consideration for alternatives improving the ecological infrastructure. Each year a different topic is selected as the basis for the workshop project.

Course credit exclusion: ES/ENVS 4700 6.00

ENVS 4750 3.0 Political Ecology of Landscape

Prerequisite: Third or Fourth year standing and completion of 6 credits in Environmental Studies or by permission of the instructor.

This course is structured around a critical analysis of historical and theoretical issues related to natural and urban landscape. The emphasis of this course is on the development and transformation of landscapes as an expression of various social, cultural, physical, economic, political, artistic, technological, and ecological forces through space and time.

ENVS 4800Q 3.0 Urban Development Process

Prerequisite: Fourth year standing and by permission of the instructor.

Critical investigation of approaches to, and topics in, processes of urban growth, decline, development and redevelopment. 20th-century theories of urbanization are examined and their relevancy for understanding selected recent urban problems are studied.

ENVS 4810A 6.0 A International Field Course: Ecology and Sustainability in Costa Rica

Prerequisite: Third or Fourth year standing and by permission of the instructor

OFFERED Summer 2011

Advanced study, through thorough literature review and direct field observation, of the theory and principles of ecology as these apply to sustainable development in tropical environments, specifically in Costa Rica. The principle objective is to provide first hand experience in basic and applied research in ecology. Field activities are designed to foster an understanding of the nature, distribution and human use of tropical environments, particularly as these relate to sustainable development in rural areas. The goal is an understanding of the interrelationships between environment and development in the Neotropics.

Note: This course is only open to students who are selected to participate in International Field work.

Course Credit Exclusion: ES/ENVS 3810A 3.0/6.0

ENVS 3900 3.0/6.0 Directed Reading

This course may be used for individualized study, in which case the BES Regulations on Special Enrolment Courses apply.

ENVS 4900 3.0/6.0 Directed Study

This course may be used for individualized study, in which case the BES Regulations on Special Enrolment Courses apply.

***NOTE:** ENVS 3900 and/or 4900 directed reading/study courses do not fulfill the Area of Concentration requirements.

Undergraduate Directed Reading and Directed Study courses are for students who wish to pursue intensive individual work with a particular FES faculty member on a specific topic of study. Normally, this will be entertained only for a topic that is not offered as a lecture/ seminar or special topics course in a particular academic session. Directed Reading and Directed Study courses are subject to the following guidelines:

- 1) Students may request enrolment in directed reading and/or directed study courses only after having completed four full course equivalents (24 credits) in FES.
- 2) Normally, the maximum permissible number of directed reading and/or directed study courses included in a BES honours program is three full-course equivalents (18 credits).
- 3) Normally, within the last five full-course equivalents (i.e. during their last year), students may take a maximum of two full-course equivalents (12 credits) of directed reading and/or directed study courses.
- 4) Normally, students may take a maximum of two full-course equivalents (12 credits) of directed reading and/ or directed study courses with the same faculty member as course director.
- 5) The student and faculty member must agree, at the time of enrolment in the course, on a written description of the course, its objectives, its content, the expected learning outcome, the form and frequency of contact between the student and faculty member, and the form of its evaluation. This description/contract must be submitted to the Office of Student and Academic Services for approval by the undergraduate program director; the student and the faculty member should each retain a copy.

Courses Students may take advantage of opportunities for exchange, placements, internships, or field study in international contexts either inside or outside of Canada (recognizing that diasporic local communities also offer rich learning about diverse cultural practices). Learning objectives, methods of inquiry, and proposed outcomes related to a student's plan of study are developed with a faculty supervisor. Pre-IFE workshops prepare the student for the experience in theoretical, personal and practical terms, and post-IFE activities offer opportunities to reflect critically on the experience while sharing it with the broader FES community. Course(s) may be offered at either ENVS 3810 3.0 or ENVS 3810 6.0 credits.

ENVS 4810 3.0/6.0 International Field Experience

This course organized by a faculty member offers a group of students a field course experience in a particular city, country, or region (designated a, b, c, etc.). Students may prepare themselves in theoretical, personal, and practical terms by participating in pre-international field experience workshops offered by OSAS and may share their experiences on return through post-international field experience activities. Course may be offered at either 3.0 or 6.0 credits.

Faculty Members

This section lists teaching faculty at York University holding appointments in the Faculty of Environmental Studies as of February 1, 2011. While this list is provided to give an indication of the nature and range of teaching faculty members' interests and expertise, it is subject to change. In addition to full-time faculty and faculty emeriti who still teach, advise, and/or do research within the Faculty, FES also employs a number of part-time faculty members, as well as practising professionals from the Toronto area, who act as course instructors and resource contacts in FES programs. Please note that not all faculty members listed here necessarily teach at the undergraduate level. Please contact the Office of Student and Academic Services for more information on faculty members' respective teaching responsibilities.

FULL-TIME FACULTY MEMBERS

S. Harris Ali Associate Professor

BA Hons, MA (Sociology) McMaster, BEng (Materials Engineering), PhD (Sociology) McMaster.

Areas of Academic Interest: Environmental Disasters; Environment and Health; Environmental Sociology.

E-mail: hali@yorku.ca

Deborah J. Barndt Professor and Coordinator of Community Arts Practice Certificate Program

BA (Comprehensive Social Studies and French) Otterbein College, MA (Social Psychology), PhD (Sociology) Michigan State.

Areas of Academic Interest: Popular education and social/environmental justice; community and activist art; global food systems and local alternatives; postcolonialism and cultural studies; critical feminist, Indigenous and anti-racist methodologies; collaborative research; transnational alliances; photographic practices; Latin America. E-mail: dbarndt@yorku.ca

Martin J. Bunch Associate Professor and Associate Dean of Research

BA (Geography) York, MA, PhD (Geography) Waterloo.

Areas of Academic Interest: Decision support in GIS; web-distributed GIS; ecosystem approaches; problems of developing area cities (particularly in India); adaptive management; urban development; urban environmental management; complex systems; systems approaches to problem solving.

E-mail: bunchmj@yorku.ca Website: <http://www.yorku.ca/bunchmj/>

Mora D.F.P. Campbell Associate Professor

BA, MA, PhD (Philosophy) Waterloo.

Areas of Academic Interest: Environmental and agricultural ethics and philosophy; Spirituality, ethics, and nature; Philosophy of time and technology. E-mail: moracamp@yorku.ca

Robin Cavanagh Lecturer

Diploma (Native Management & Economic Development), BA (Native Studies) Trent, MES (York).

Areas of Academic Interest: Indigenous Research Methodologies; Spiritual Pedagogies; Indigenous Education; Environmental Justice; Cross-cultural spaces; Research ethics and protocols. E-mail: cavanagh@yorku.ca

Ravi de Costa Assistant Professor (on sabbatical 2011-12)

BA Hons (Government & Public Administration) Sydney, PhD (Politics) Swinburne University of Technology, Melbourne.

Areas of Academic Interest: Indigenous politics, history and policy; Globalization; Comparative political development and political behaviour; Social movements. E-mail: rdc@yorku.ca

José Etcheverry Assistant Professor

BA Hons (Geography & Environmental Studies) York, MA (Geography & Environmental Studies), PhD (Geography) Toronto.

Areas of Academic Interest: Climate Change Mitigation; International and National Renewable Energy Policies; Rural Electrification; Educational and Capacity Development Networks; New Media and Communications. E-mail: rejose@yorku.ca

Leesa K. Fawcett Associate Professor; Associate Dean of Students; and Coordinator, Graduate Diploma in Environmental/ Sustainability Education.

BSc Hons (Marine Biology and Oceanography) Guelph, MES (Environmental Thought and Biological Conservation), PhD (Biology Human Ecology) York.

Areas of Academic Interest: Bioregionalism, Community Development and Food; Ecology & Environmental Science; Environmental & Cultural Studies; Environmental Education; Gender & Environments; Globalization & International Development; Sustainability. E-mail: lfawcett@yorku.ca

Sarah Flicker Assistant Professor

BA Hons (Medical Anthropology) Brown, MPH (Maternal & Child Health and Epidemiology) Berkeley, PhD (Social Science and Health) Toronto.

Areas of Academic Interest: Adolescent Health; Community-based participatory research; HIV/AIDS; Community Development. E-mail: flicker@yorku.ca

Honor Ford-Smith Associate Professor (on sabbatical 2011-12)

BA (Theatre and English) Wisconsin Madison, MA (Adult Education), PhD (Education) Toronto.

Areas of Academic Interest: Performance and social movements; Race, gender, nation and colonialism and post-colonialism; Caribbean societies and their diasporas; Community and environmental arts and education. E-mail: hoperoad@yorku.ca

Jennifer Foster Assistant Professor and Coordinator of Urban Ecologies Certificate Program (on sabbatical 2011-12)

BA Hons (Cultural Studies) Trent, MES, PhD (Environmental Studies) York.

Areas of Academic Interest: Urban and regional environmental planning; Ecological restoration; Landscape ecology; Spatial practices; Political ecology. E-mail: jfoster@yorku.ca

Gail S. Fraser Associate Professor; and Undergraduate Program Director

B.Sc (Biology), MSc (Zoology), PhD (Biopsychology) Memorial University.

Areas of Academic Interest: Ecology (avian, aquatic, behavioral, marine, terrestrial); Applied Ecology; Access to environmental data/environmental policy; Wildlife management/Conservation biology. E-mail: gsfraser@yorku.ca

Liette Gilbert Associate Professor

BSc (Landscape Architecture) Montréal, MA, PhD (Urban Planning) UCLA.

Areas of Academic Interest: Multicultural Cities and Identities; Politics of Difference in the City; Representations of Immigration and Multiculturalism; Urban Planning, Design and Urbanism; Political Ecology of Landscapes. E-mail: gilbertl@yorku.ca

Ilan Kapoor Professor

BA Hons (Economics and Political Science) Waterloo, MA (International Affairs) Carleton, PhD (Political Science) Toronto.

Areas of Academic Interest: Critical Development studies and Third World Politics; Participatory development and democracy/democratic theory; Postcolonial theory and cultural studies; Social/environmental movements in the North and South; 'New' critiques of development (ecological, postdevelopment, postmarxist, feminist, anti-racist, non-western, postcolonial). E-mail: ikapoor@yorku.ca Website: <http://www.yorku.ca/ikapoor/>

Roger Keil Professor; and Director, CITY Institute

Staatsexamen Dr.Phil (Political Science) Johann Wolfgang Goethe Universität.

Areas of Academic Interest: Urban Governance; Global Cities; Infectious Disease and Cities; Urban Infrastructures; Urban Political Ecology. E-mail: rkeil@yorku.ca

Stefan Kipfer Associate Professor and PhD Program Coordinator

BA (Political Science and French), MES (Urban Political Economy and Ecological Politics), PhD (Political Science) York.

Areas of Academic Interest: Theories of society, politics and the city; Comparative and international urban-regional politics and planning; Transnational urbanization, urban-regional restructuring and social movements; Imperialism, colonialization, racialization, multiculturalism and cities; Suburbanization, territorial relations and regional planning; Public housing, gentrification, privatization and redevelopment. E-mail: kipfer@yorku.ca

Timothy B. Leduc Sessional Assistant Professor

BSc (Psychology) Trent, MSW Toronto, MES, PhD (Environmental Studies) York

Areas of Academic Interest: Intercultural views on northern climate change; Ecological worldviews, religion and eco-humanities; Colonial and indigenous knowledges in Canada; Environmental education; Interdisciplinarity in Canadian Environmental Studies. E-mail: tleduc@yorku.ca

Ute Lehrer Associate Professor

lic phil. (History of Art and Architecture, Sociology, Economic and Social History) Zurich, PhD (Urban Planning) UCLA.

Areas of Academic Interest: Cities and Globalization; Economic Restructuring and Urban Form; Political Economy of the Built Environment; Theory and History of Planning, Urban Design and Architecture; Built Environment, Ethnicity and Immigration to Urban Areas. E-mail: lehrer@yorku.ca

Rod MacRae Assistant Professor and MES Program Coordinator

BA (History) Acadia, MSc, PhD (Agriculture) McGill.

Areas of Academic Interest: Federal food policy making; regulatory frameworks for pesticide and GE crops; demand-supply management in the food system; strategies to localize the food and agriculture system; farm environmental goods and services payments. E-mail: rmacrae@yorku.ca

Lewis Molot Professor (on sabbatical 2011)

BSc (Zoology), MSc (Limnology) Toronto, PhD (Oceanography) Alaska.

Areas of Academic Interest: Photochemical formation of particulate organic carbon in lakes; Fe control of cyanobacterial blooms in lakes. E-mail: lmolot@yorku.ca

Peter R. Mulvihill Associate Professor

BA (General Arts) Carleton, BES (Environment and Resource Studies), MA (Regional Planning and Resource Development), Waterloo, PhD Amenagement (Environmental Planning) Montréal.

Areas of Academic Interest: Future of the environmental movement; Environmental assessment; Environmental planning; Environmental history; Northern Canada; Rural and ex-urban places; China. Email: prm@yorku.ca

Patricia E. Perkins Associate Professor

BA (Public and International Affairs) Princeton, MA, PhD (Economics) Toronto.

Areas of Academic Interest: International trade; Trade and environment; Ecological economics; Community economic development; Metal markets and trade; Debt, poverty, and environmental degradation; Women, ecology and economics. E-mail: esperk@yorku.ca

Justin Podur Assistant Professor; Graduate Program Director; and Coordinator of GIS and Remote Sensing Certificate Program

BSc Hons (Physics) MScF (Forestry) PhD (Forestry) Toronto.

Areas of Academic Interest: Forest Fires; Climate Change; Mathematical Modeling; Landscape Ecology; Alternative media. E-mail: jpodur@yorku.ca Website: <http://www.yorku.ca/jpodur/>

Barbara L. Rahder Professor and Dean, Faculty of Environmental Studies

BSc (Psychology) Portland State, MSc, PhD (Urban and Regional Planning) Toronto, FCIP.

Areas of Academic Interest: Urban and community planning history, theory, and practice; Community development and access to public space; Social equity, diversity, and change; Women and environments; Participatory planning and research. E-mail: rahder@yorku.ca

Raymond A. Rogers Associate Professor

BA (History) Manitoba, MES (Integrated Marine Resource Management), PhD (Environmental Studies) York.

Areas of Academic Interest: Relationship between economics and the natural world focusing on critiques of conservation and development; Application of social theory to the environmental crisis; Cultural studies. E-mail: rrogers@yorku.ca

R. L. Liora Salter Professor (Joint Appointment with Osgoode Law School)

BA (Sociology) Toronto, MA (Communication Studies) Simon Fraser, FRSC.

Areas of Academic Interest: Communications; Law, science and technology policy standards; Regulation and public policy; Language and political controversies. E-mail: lsalter@osgoode.yorku.ca

L. Anders Sandberg Professor (on sabbatical 2011-12)

BA (Geography) Simon Fraser, MA (Geography) Victoria, PhD (Geography) McGill.

Areas of Academic Interest: Political economy/ecology of resource management; Forest, environmental and conservation history; Growth/nature narratives on the Oak Ridges Moraine and the Greater Golden Horseshoe; History of Forestry as science and profession; Canadian, Maritime, and Scandinavian studies. E-mail: sandberg@yorku.ca

Catriona A. H. Sandilands Professor and Canada Research Chair in Sustainability and Culture
BA Hons (Sociology) Victoria, MA, PhD (Sociology) York.

Areas of Academic Interest: Environmental cultural studies; Environmental /ecological literary criticism, environmental writing; Sexuality, gender and environments: queer ecologies, ecological feminisms; Nature and environment in social and political thought. E-mail: essandi@yorku.ca

Dayna N. Scott Associate Professor; Director of the National Network on Environments and Women's Health (Joint Appointment with Osgoode Law School).

BSc (Ecology) Guelph, LL.B Osgoode, MES (York), PhD (Law) Osgoode.

Areas of Academic Interest: Environmental Justice; Globalization/Localization; Critical Sociology of Risk; Trends in Regulation and Governance. E-mail: dscott@osgoode.yorku.ca

Grant Sheng Assistant Professor (on leave)

BSc (Zoology) Toronto, MES (Environmental Aspects of Radiation) York, PhD (Computer Science) Wageningen University.

Areas of Academic Interest: Computer modeling and simulation; Ecological modeling; Nuclear and toxic waste disposal; Risk analysis; Influence of computer technology on culture and society; Facility siting processes. E-mail: sheng@yorku.ca

Joe Sheridan Associate Professor (Joint appointment with Faculty of Education)

BIS (American History and Sociology) Waterloo, MA (Folklore and Mythology) UCLA, MEd (Reading and Language) Harvard, PhD (Intercultural/International Education) Alberta.

Areas of Academic Interest: Environmental education; Environmental thought and First Nations tradition; Folk culture; Media technology and oral cultures; Educational reform on environmental models. E-mail: joe_sheridan@edu.yorku.ca

Laura Taylor Assistant Professor

BES Waterloo, MES (Evolution and Change in City Form) York, PhD (Cultural and Historical Geography) Toronto.

Areas of Academic Interest: Politics of nature in urban expansion; Culture/nature studies; Conservation planning; Processes and discourses of landscape settlement and landscape conservation; Urban-rural fringe; Urban dispersion and sprawl; Political negotiation of landscape meaning and values; Textual landscapes; Visual culture studies. E-mail: taylorl9@yorku.ca

Greg W. Thiemann Assistant Professor

BSc Hons (Biology) McMaster, MSc, PhD (Biology) Dalhousie.

Areas of Academic Interest: Arctic ecosystems; Food web ecology; Wildlife conservation; Resource management; Animal physiology. E-mail: thiemann@yorku.ca

Peter C. Timmerman Associate Professor; and Coordinator of Graduate Diploma in Business & the Environment.

BA, MA (English) Toronto.

Areas of Academic Interest: Environmental ethics; Environmental conflict; Coastal city management. Email: ptimmer@yorku.ca

Peter A. Victor Professor

BSocSc (EPS) Birmingham, PhD (Economics) British Columbia.

Areas of Academic Interest: Ecological economics; Environmental policy. E-mail: pvictor@yorku.ca Website: <http://www.yorku.ca/pvictor/>

Gerda R. Wekerle Professor and Planning Programs Coordinator

BA (Sociology) York, MA, PhD (Sociology) Northwestern.

Areas of Academic Interest: Growth, urbanization, sprawl and nature; public policy, local government and local politics; social movements; urban agriculture; gender and the neoliberal city. E-mail: gwekerle@yorku.ca

Paul F. Wilkinson Professor

BA (Geography) York, MA, PhD (Geography) Toronto.

Areas of Academic Interest: Resource and environmental management; Recreation/tourism geography; Recreation/tourism planning; International development; Quantitative research methods.
E-mail: eswilkin@yorku.ca Website: <http://www.yorku.ca/eswilkin/>

Mark S. Winfield Assistant Professor and MES/JD Program Coordinator
BA (Science & Technology Studies), MA, PhD (Political Science) Toronto.

Areas of Academic Interest: Environmental Policy; Environmental Law; Sustainable Energy; Urban Sustainability; Climate Change Policy. E-mail: marksw@yorku.ca

Anna Zalik Assistant Professor

BA Hons (History and Political Science) Alberta, MA (Communication), PhD (Development Sociology) Cornell, S.V. Ciriacy Wantrup Postdoctoral Fellow, Berkeley.

Areas of Academic Interest: Global Humanitarian/Development Studies; International Aid Industry; Oil industry with a focus on the Americas and Sub-Saharan Africa; Political Economy, Comparative Historical Studies, Post-Coloniality. E-mail: azalik@yorku.ca

FACULTY MEMBERS EMERITI

David V.J. Bell Professor Emeritus

BA (Political Science) Toronto/York, MA, PhD (Political Science) Harvard.

Areas of Academic Interest: Political linguistics; Political culture; Environmental policy; Politics of sustainability. E-mail: dvjbell@yorku.ca

Gerald P. Daly Professor Emeritus

BA (History and Liberal Arts), MCP (Urban Planning) Harvard, MBA (Economic Planning and Analysis) Pennsylvania, PhD (Urban Studies) Cambridge, MCIP, AICP.

Areas of Academic Interest: Urban and regional planning; Housing; Homelessness; Comparative planning; Social policy. E-mail: gdaly@yorku.ca

Gene Desfor Professor Emeritus

BA (Economics) MA, PhD (Regional Science) Pennsylvania.

Areas of Academic Interest: Urban waterfronts, Urban development processes; making urban environmental policy; Urban growth and decline. E-mail: desfor@yorku.ca

Jack B. Ellis Professor Emeritus

BASc (Electrical Engineering) Toronto, MSc DIC (Control Systems) Imperial College, London, PhD (Systems Theory) Michigan State.

Areas of Academic Interest: Tourism, recreation, and leisure; Northern development; Computer modeling; Planning techniques; Urban and regional planning methods. E-mail: jackel@yorku.ca

Frederick J. Fletcher University Professor Emeritus in Political Science

BA (Political Science and English) British Columbia, MA, PhD (Political Science) Duke.

Areas of Academic Interest: Communication/Theory and policy; Public opinion; Political discourse; Media analysis; Politics and environmental issues. E-mail: ffletch@yorku.ca

William C. Found University Professor Emeritus

BA (Geography) McMaster, MA, PhD (Geography) Florida, PhD (honoris causa) Umeå.

Areas of Academic Interest: International Development; Program implementation and evaluation; Rural planning; Participation and sustainability. E-mail: wfound@yorku.ca

Bryn Greer-Wootten Professor Emeritus

BA (Geography) Durham, PGCE (Education) London, MA (Geography) Durham, PhD (Geography and Planning) McGill.

Areas of Academic Interest: Resource management and policy analysis; Epistemology in environmental studies; Waste management; Folk narratives on the environment; Elites and environmental policy formulation. E-mail: bryngw@yorku.ca

Femida Handy Associate Professor Emeritus

BSc (Mathematics and Statistics) Poona, MA (Mathematics), MES (Mathematical & Economic Analysis of Environmental Issues), PhD (Environmental Studies) York. Associate Professor in Environmental Studies.

Areas of Academic Interest: Non-profit sector and environmental organizations; Volunteering; Philanthropy; Environmental nonprofit organizations; Environmental Economics. E-mail: fhandy@yorku.ca

H. Peter M. Homenuck Professor Emeritus

BA (Geography) Waterloo Lutheran, MA (Geography) MCP (Community Planning), PhD (Geography) Cincinnati, MCIP.

Areas of Academic Interest: Social impact assessment; Social planning; Native-Canadian relations; Public consultation; Strategic planning. E-mail: homenuck@yorku.ca

Bonnie L. Kettel Associate Professor Emeritus

BA (Anthropology) Toronto, PhD (Social Anthropology) Illinois.

Areas of Academic Interest: Gender, environment and development; Feminist environmentalism/ Ecofeminisms; Gender/Culture/Nature; Indigenous frameworks for natural resource management; Research design. E-mail: bkettel@yorku.ca

Robert G. Macdonald Associate Professor Emeritus

BSc (Mathematics and Physics) MSc (Physics), PhD (Physics and Physical Chemistry) Toronto.

Areas of Academic Interest: Energy policy for sustainable development; Energy conservation and renewable energy strategies; International development; Action research in developing countries; International collaboration for sustainable development; Bioregionalism. E-mail: robmac@yorku.ca

David Morley Professor Emeritus

BA, MA (Geography) Birmingham, PhD (Geography) Australian National University.

Areas of Academic Interest: Action research as praxis methodology applied to multi-organizational problems within turbulent environments; Human services, health, community development, environmental issues, education, tourism, human settlements; Organizational change; Action research/action learning and social change in the Caribbean, East Africa, Latin America; Trans-disciplinary approaches to environmental education. E-mail: dmorley@yorku.ca

Alex L. Murray Professor Emeritus

BA (History) McMaster, MA (History) London, PhD (History) Pennsylvania.

Areas of Academic Interest: Environment and behaviour; Design and redesign of work environments; Ecological approaches to food production, distribution, and consumption. E-mail: amurray@yorku.ca

G. Peter Penz Professor Emeritus

BA, MA (Economics) British Columbia, DPhil (Social Studies) Oxford.

Areas of Academic Interest: Global environmental and social justice; Development ethics; Population displacement and development refugees; Human rights and basic needs; Indigenous peoples in the Third World; Development and environmental refugees; Socio-environmental-justice movements; Focus on South Asia; Core theory in the human sciences and social philosophy and its relation to power. E-mail: ppenz@yorku.ca

Rebecca L. Peterson Associate Professor Emeritus

BA (Sociology and Psychology) Kansas, MA, PhD (Psychology) Claremont.

Areas of Academic Interest: Feminist perspectives on health and environments; healthy and sustainable buildings; the use of open space technology in environmental and organizational change; organizational resistance and acceptance of sustainability initiatives; multiple issues in health and environments such as global warming and health. E-mail: rebecca@yorku.ca

Brent M. Rutherford Associate Professor Emeritus

BA (Political Science) Bradley, MA, PhD (Political Science) Northwestern.

Areas of Academic Interest: Program and policy evaluation and analysis; Operations research; Survey research; Quantitative methods; Computer applications. E-mail: brent@yorku.ca

Rodger D. Schwass Professor Emeritus

BA MA (Economics), EdD (Adult Education) Toronto.

Areas of Academic Interest: Sustainable development and resource management; Economic and social impacts of development on small communities; Development of conservation strategies; International development. E-mail: rschwass@yorku.ca

Joni Seager Professor Emeritus

BA Toronto, MA, PhD Clark.

Areas of Academic Interest: Feminist Environmentalism and Geography; International Environmental Policy; Global Political Economy; International Status of Women. Email: jseager@yorku.ca

Edward S. Spence Professor Emeritus

BA, MSc (Geography) Western, PhD (Geography) Alberta, MCIP.

Areas of Academic Interest: Land use and transportation planning; Resource management; Water resources and hydrology; Environmental policy and planning; International development. E-mail: esspence@yorku.ca

PART-TIME FACULTY MEMBERS

Chris Cavanagh

MES (Popular Education) York

Areas of Academic Interest: Popular education; critical pedagogy; community arts; storytelling; adult education; environmental education; labour education; diverse economies; activism and social change; facilitation, organizational development and coalition building; anti-racism and postcolonialism; origami. Email: story@web.ca

M. Khalis Hassan

BEd (Geography) Baghdad, PhD (Urban Planning) Liverpool

Areas of Academic Interest: Urban and Regional Planning; Urban Geography; Population Studies; Urban Environmental Planning; Planning in developing countries. E-mail: mkhassan@yorku.ca

Moore, Susan

BA Hon (English) British Columbia, MA (Curriculum), PhD (Educational Contexts) Calgary

Areas of Academic Interest: Literature and the environment; Women and nature; Psychoanalytical theory in environmental studies and education; Phenomenology and hermeneutics; Environmental ethics. E-mail: suemoore@yorku.ca

Awards & Support Services

FINANCIAL AWARDS

FES offers internal funding opportunities to students through the Student Awards Office, located in the Student and Alumni Resource Centre, Room 129 HNES. Our goal is to identify and disseminate information pertaining to the availability of funds that may assist students in completing their studies in FES. Application forms and detailed guidelines for the following awards and scholarships are available through the web at <http://www.yorku.ca/fes/>. For further information on guidelines and application procedures, contact the Student and Alumni Resource Centre - Joseph Cesario (jcesario@yorku.ca or (416) 736-2100 ext. 33196). Students are encouraged to contact the Office of Student Financial Services for other funding opportunities. Their web site address is <http://sfs.yorku.ca/>.

ENTRANCE AWARDS

George and Helen Vari Foundation Entrance Award-maximum \$2500

The Honourable George and Helen Vari generously donated this award to support undergraduate and graduate students entering the first year of their program in the Faculty of Environmental Studies. Recipients are selected based on financial need and academic merit and must be Canadian citizens or permanent residents of Canada and Ontario residents.

Unilever Undergraduate Entrance Award in Environmental Studies- maximum \$5000 (2 x \$2500 Renewable)

This award supports an incoming BES student who has achieved a minimum 80% grade point average, demonstrates financial need, and has written an excellent supplementary essay on his or her vision of sustainability. The recipient must be a Canadian citizen or a permanent resident, and an Ontario resident.

The Han Shan Sih Buddhist Society Bursary- maximum \$2000

This award is open to incoming undergraduate students enrolled and registered in the Faculty of Environmental Studies. Recipients must demonstrate financial need and be a Canadian citizen or permanent resident and an Ontario resident.

CONTINUING STUDENT AWARDS

dian marino Award-maximum \$300-\$450

The dian marino Award was established in memory of dian, a visual artist, activist, educator and storyteller extraordinaire, who taught in the Faculty of Environmental Studies. This award supports FES students who creatively use multi-media tools of inquiry and modes of communication to critically explore environmental issues. This award gives preference to students who are committed to environmental and social justice. Recipients must demonstrate financial need and be a Canadian citizen or permanent resident and an Ontario resident, and have a good academic record.

Harry Victor Student Bursary-maximum \$500

Established in honour of Harry Victor, father of Professor Peter Victor (FES Dean, 1996-2001), this bursary supports continuing students enrolled in the Bachelor in Environmental Studies Program at York University. The bursary supports research undertaken by an undergraduate student in the areas of ecological economics or environmental policy.

YUFA Bursary-value: open

The YUFA Foundation BES bursary is open to undergraduate students registered in the Bachelor in Environmental Studies Program at York University (but not in the concurrent education program). Recipients must be Canadian citizens or have permanent residence status, Ontario residence status, and demonstrable financial need.

YUFA Foundation Undergraduate Scholarship-maximum \$3000

The YUFA Foundation BES Scholarship is awarded annually to a BES student who has completed between 60 to 90 credits, achieved the highest cumulative grade point average in the Faculty of Environmental Studies, and reregistered in the program for the following academic year. The recipient must be a Canadian citizen or permanent resident, an Ontario resident and demonstrate financial need.

FES Undergraduate Achievement Award-maximum \$1200

This award was established to support students registered full-time in their final year of the BES program with a minimum B+ average. Recipients must be Canadian citizens or permanent residents, Ontario residents, and must demonstrate financial need.

Senior Honours Work Award of Distinction

This award recognizes those students graduating with the degree of Bachelor in Environmental Studies at York University who are judged to have produced the most outstanding Senior Honours Work.

FES International Student Bursary

This award is available to all international students (BES, MES, PhD) in the Faculty of Environmental Studies who demonstrate financial need on a bursary application.

STUDENT SERVICES AND ORGANIZATIONS

FES students are encouraged to participate in the organization and maintenance of many of the groups and services provided for students. These groups and services include:

BESSA

Undergraduate students in the BES program have organized their own student organization, recognized by the York Federation of Students and the University: BESSA (Bachelor in Environmental Studies Students Association). BESSA holds regular meetings and undertake activities of interest to BES students. Check out their new home page on the Internet at: <http://www.yorku.ca/fes/bessa/index.htm>

FES Computer Facilities

Our Faculty features three computer facilities which are available exclusively for the use of the FES community. The three PC computer teaching/drop-in labs are located on the second floor of the HNES building. BES students receive computer network accounts free of charge, including access to electronic mail, internet, digitizers, scanners, CD burners and a wide variety of software. Laser printing (both gray-scale & colour) services are also available to FES students at a nominal fee. Students wishing to save files should bring in their own removable storage device (e.g. USB flash drive, CD). For detailed information about computing at FES, visit <http://www.yorku.ca/fes/computing>.

FES Student and Alumni Resource Centre (SARC)

Looking for a challenging and rewarding career? SARC supports students and graduates throughout their professional lives. We provide access to employment and networking opportunities; career advising and individualized support; and links to alumni professionals, industry associations and labour market information. Explore FES Career Services at <http://www.yorku.ca/fes/careers/> drop by our resource centre in 129 HNES, Mon-Fri 9 a.m. to 4 p.m. or make an appointment by contacting Joseph Cesario (jcesario@yorku.ca or ext. 33196).

COLLEGE AFFILIATION

Founders College-For students entering the BES Program Fall 2008 and beyond

As one of the residential colleges affiliated with the Faculty of Environmental Studies, Founders College combines a strong emphasis on academic excellence with a commitment to the development of its members as well-rounded individuals. The theme of the college is “Self, Culture and Society,” which reflects the special interest of the college in various disciplines.

Founders also houses the Mariano A. Elia Chair in Italian-Canadian Studies, the Nellie Langford Rowell Library, the Canadian Women Studies Journal/les cahiers de la femme and the School of Women’s Studies. These units, along with the fellows, the support staff and the student organizations, contribute to the dynamic intellectual life of the college.

PEER ADVISING -- ROOM 102 FOUNDERS COLLEGE

The college Peer Advising Program is made up of advanced undergraduate students. It is geared towards helping students become more familiar with the university, their college and other important aspects of academic life. During Academic Orientation, Peer Advisers meet with incoming first-year students to answer questions about university life. In addition, student Academic Resource Advisers are available to meet with all students at the college, 20 hours per week, during the academic year.

CRITICAL SKILLS SERIES WORKSHOPS

Successful Time Management	How to Improve your Lecture Note Taking Skills
Writing and Referencing	The Importance of Thinking Critically as an Essential Academic Skill
Successful Reading Strategies	Proven Strategies for Test Preparation
How to Write a Successful Essay	How to Begin to Organize and Write an Essay
Effective Exam Preparation	

Professor Paul Brienza, Founders College Academic Adviser. Professor Brienza can be reached at pbrienza@yorku.ca

For further information, please contact:

The Office of the Master, 216 Founders College, Telephone: (416) 736-5148, Fax: (416) 736-5732
Website: www.yorku.ca/founders

Wild Garden Media Centre

Named in memory of dian marino, artist, activist and former faculty member, the Media Centre is a unique resource for members of the FES community who are interested in using media arts in their course work, research and learning/teaching practices.

The Centre’s facilities include:

- Digital video and still cameras
- Audio recording tools
- Various accessories
- Digital video editing workstation

Orientation sessions to the Centre’s facilities and a series of workshops related to media production are offered throughout the year. Watch for dates/times on-line and on bulletin boards.

Various special events such as film/video screenings, seminars and the annual Eco-Art & Media Festival www.yorku.ca/ecoart are produced/coordinated by the Wild Garden team of students, staff and faculty.

Contact: John Vainstein, Coordinator vainjk@yorku.ca or ecoart@yorku.ca 416-736-2100 x30533

York International

York International is the central international education office of York University. It provides a range of support services for international students (including information on immigration, student funding, incoming tax and health insurance). It also provides opportunities for Canadian student exchanges and internships across the world. For detailed information on York International, contact the office at:

York International
200 York Lanes
Telephone: 416-736-5177
Fax: 416-736-5176
Website URL: <http://international.yorku.ca>

STUDENT SUPPORT SERVICES

Personal

Counselling and Development Centre (CDC)

Rm N110 Bennett Centre for Student Services

Tel: 416-736-5297

<http://www.yorku.ca/cdc/>

Counselling & Disability Services (CDC)

Rm N110 Bennett Centre for Student Services

Tel: 416-736-5297

<http://www.yorku.ca/cds/>

The Office of the Ombudsperson and Centre for Human Rights

It's a centre that addresses: allegations of unfairness in York University's policies, processes or procedures and allegations of discrimination as defined by the Ontario Human Rights Code.

Ross Building (South), 949 Toronto, ON Canada M3J 1P3

Tel: 416-736-5682

TTY: 416-650-8023

Fax: 416-650-4823

ombuds@yorku.ca

<http://www.yorku.ca/ombuds>

Academic Writing Centres

All BES students requiring writing assistance can visit the following 2 places:

1. The Writing Centre:

For general inquiries or to book an appointment, please contact us at:

Room: S329 Ross Building

Phone: 416-736-5134

Hours of Operation

Mondays	9am - 7pm
Tuesdays	9am - 7pm
Wednesdays	9am - 7pm
Thursdays	9am - 7pm
Fridays	9am - 4:30pm
Saturdays	9:am - 5:00pm
Sundays	CLOSED

****Appointment times and locations vary from day to day. Contact the receptionist to learn more about the available times.**

Web site http://www.yorku.ca/laps/writ/writing_centre.html

2. There are drop-in hours in the Learning Commons in Scott Library. The Library drop-in hours can be found on the Library web site at: http://www.library.yorku.ca/learning_commons/assistance

English as a Second Language

English as a Second Language Open Learning Centre offers support to ESL students registered in courses and academic programs at York.

116 Atkinson College

Tel: 416-736-2100 ext.22940

esl@yorku.ca

- Environmental Studies students need strong communication skills—both oral and written. Please consider the language support that is made available to you at York University. You will benefit not only in your course work at York but also in your career when you have graduated from York.

Credit ESL Courses

ESL1000 / HUMA1220 9.0 Canadian Language and Culture (2 hours twice a week)

ESL1450 / HUM1745 6.0 Thinking About Contemporary Canada (3 hours once a week)

Both courses are cross-listed as Humanities courses. The focus is on English for Academic Purposes (EAP) and both courses address all communication skill areas, particularly writing.

<http://www.yorku.ca/laps/dlll/esl/index.html>

ESL Open Learning Center (OLC) small group tutorials

<http://www.yorku.ca/eslclc/keele/default.asp>

Department of Writing (for all York students)

<http://www.yorku.ca/laps/writ/>

Office of the Registrar

Bennett Centre for Student Services

Faculty Transfers, Grades, Graduation, Transcript Information, Enrolment questions

Tel: 416-872-YORK (9675)

<http://www.registrar.yorku.ca/>

For transcript orders: <http://www.registrar.yorku.ca/transcripts/index.htm>

Transcripts orders by fax: 416-736-5444

Student and Alumni Resource Centre (SARC)

Room 109 - HNES building

Tel: 416-736-5252, ext 33196

Fax: 416-736-5679

Office of Student Financial Services

Bennett Centre for Student Services

Tel: 416-872-9675

Fax: 416-736-5386

<http://www.yorku.ca/yorkweb/currentstudents/moneymatters/index.html>

THE FACULTY OF ENVIRONMENTAL STUDIES IS A FRAGRANCE FREE ENVIRONMENT

Scented products contain chemicals which cause serious problems for many people, especially those with asthma, allergies, and environment illness. We ask our community members to abide by this policy.

Students are advised to check ahead of time if they are visiting other offices or centres at York University as many offices are adopting the same policy.