

U. OF T. SCHOOL OF THE ENVIRONMENT - CUPE 3902 Unit 1 - TA Job Postings

Fall/Winter Session 2019-20

Posted on: June 6, 2019

Applications due: July 3, 2019

Graduate students with a diversity of experience and knowledge in the environmental fields are sought for the following courses. **Applicants are requested not to apply to TA positions for which they do not have the qualifications listed in the table below.** Each position, as well as the final number of hours for each position, will be dependent on the final enrolment numbers and available financial resources. Course outlines (syllabi) for these courses, as offered in 2018-19, are available at:

<https://www.environment.utoronto.ca/undergraduate/course-list/>

Course Number and Title	Course Enrolment (est.)	Number of Positions (est.)	Appointment in Hours (est.)	Dates of Appointments	Course Description	Qualifications	Duties
ENV100H1 Introduction to Environmental Studies	500	5	100	Sept 1, 2019 – Dec 31, 2019 Lecture 3 – 5 Thursday	An investigation of the relationship between human beings and their natural and built environments. This interdisciplinary course will draw from the sciences, social sciences and the humanities to explore major social, cultural, economic, regulatory, ethical, ecological and technological aspects of environmental issues.	University of Toronto graduate students who have completed one year of graduate study and who have a demonstrated scholarly expertise in Environmental Studies, that includes the aspects listed in the course description.	Duties include grading assignments and examinations, and general assistance.
ENV200H1 Assessing Global Change: Science and the Environment	500	6	100	Jan 1, 2020 – April 30, 2020 Lectures 11 – 12 Tuesday & Thursday Tutorials 10 – 11, 12 – 1, 1 – 2 Tuesdays & Thursdays; 11 – 12, 1 – 2 Wednesday	The perspective scientists bring to the understanding and resolution of environmental concerns having global implications: atmospheric systems and climate change, the biosphere and conservation of biodiversity	University of Toronto graduate students who have completed one year of graduate study with emphasis placed on scientific training, particularly related to the environment, and the ability to lead small group discussions	Duties include leading tutorial sessions, grading assignments and exams, and general assistance.
ENV221H1 Multidisciplinary Perspectives on Environment	350	3	105	Sep 1, 2019 – Dec 31, 2019 Lectures 1 – 2 pm Tuesday & Thursday Tutorials: 11 – 12, 12 – 1, 2 – 3, 3 – 4 Tuesday & Thursday	One of two foundation courses for the Centre's undergraduate program. Introduces students to ways in which different disciplines contribute to our understanding of environment. Instructors and guest lecturers are drawn from the sciences, social sciences and the humanities and will present subject matter, assumptions, conceptualizations and methodologies of their disciplines.	University of Toronto graduate students who have completed one year of graduate study and who have a demonstrated scholarly expertise in Environmental Studies, that includes the disciplines listed in the course description.	Duties include leading tutorial sessions, grading assignments and exams, and general assistance.

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ENV222H1 Interdisciplinary Environmental Studies	350	2	115	Jan 1, 2020 – April 30, 2020 Lecture 3 - 5 pm Tuesday Tutorials 11 – 12, 12 – 1, 1 – 2, Wednesday; 11 – 12, 12 – 1, 1 – 2, 2- 3, 3 – 4 Thursday	Building upon ENV221H, shows how environmental studies is working to knit different disciplinary perspectives into one interdisciplinary body of knowledge; interplay of science and values in definition and framing of issues; roles of markets, politics and ethics in developing solutions; local to global scale; historical and current timeframes.	University of Toronto graduate students who have completed one year of graduate study and who have a demonstrated scholarly expertise in Environmental Studies, that includes the disciplinary perspectives listed in the course description.	Duties include leading tutorial sessions, grading assignments and exams, and general assistance.
ENV223H1 Fundamental Environmental Skills	90	1	90	Sept 1, 2019 – Dec 31, 2019 Lecture 2- 4 Thursday	The practical, interdisciplinary and controversial nature of environmental issues, as well as the uncertainty that surrounds measures to address them demand mastery of a particular range of skills by environmental students. This course teaches the fundamental research, analysis and presentation skills required for effective environmental work.	University of Toronto graduate students who have completed one year of graduate study and who have a demonstrated scholarly expertise in Environmental Studies, that includes the fundamental research, analysis and presentation skills required for effective environmental work.	Duties include grading assignments and general assistance.
ENV261H1 Is the Internet Green?	60	1	75	Sept 1, 2019 – Dec 31, 2019 Lecture 2 - 4 Tuesday Tutorials 4 – 5, Tuesday & Thursday	The Internet has deeply penetrated most aspects of society and yet we are remarkably unreflective about its impacts and sustainability. This course challenges students to critically evaluate evidence regarding the environmental and social impacts of the Internet and how the Internet contributes (or not) to goals of environmental sustainability. (ENV261H1 is intended as a Breadth Requirement course in the Social Sciences.)	University of Toronto graduate students who have completed one year of graduate study and who are enrolled in Computer Science, Earth Science, or a related field. Successful applicants will have experience with interdisciplinary scholarship, environmental studies and/or digital humanities.	Duties include leading tutorial sessions, grading assignments and exams, holding office hours, and general assistance.

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ENV307H1 Urban Sustainability	88	1	130	Jan 1, 2020 to April 30, 2020 Lecture 12 - 2 pm Thursday (may change to Tuesday) Practicals 2 – 3:30 & 3:30 to 5 pm Tuesday	This course critically examines the concept of urban sustainability in theory and application. Case studies of ongoing urban sustainability programs in the developed and developing world help students assess the successes and failures of these programs. The course also examines the current state of research and implementation efforts toward urban sustainability. Toronto's urban sustainability and sustainable needs will be investigated through the use of Geographic Information Systems (GIS) during the course (previous experience with GIS is not required).	University of Toronto graduate student who has completed one year of graduate study and who has a demonstrated scholarly expertise in Environmental Studies, particularly as it relates to environmental planning. Introductory-level Geographic Information Systems (GIS) software will be taught as part of the class, so any experience in GIS software or analysis is beneficial.	Duties include grading assignments, providing support in computer labs, office hours, and general assistance.
ENV316H1 Laboratory and Field Methods in Environmental Science	25	1	70	September 1, 2019 to December 31, 2019 Lecture/Lab 1 – 5 pm Friday	This course focuses on methods of sampling and analyzing natural air, water and solid Earth materials for physical, chemical and biological properties that are relevant to current environmental issues. It will integrate approaches from chemistry, physics, earth sciences and biology, and cover techniques in field sampling, laboratory analyses and analyses of large environmental data sets. Basic concepts related to quality control will be emphasized throughout the course: sample collection and storage methods, calibration of field and lab instruments, analyses in complex matrices, errors (accuracy, precision), and detection limits.	University of Toronto graduate student in Aquatic Biology who has completed one or more years of graduate study and who has a demonstrated familiarity with field and laboratory sampling of fishes and aquatic invertebrates, including measures of fish condition, fish length-weight relationships, diversity indices, habitat quality.	Duties include leading laboratory sessions, participating in field trips, grading lab reports, and general assistance.
ENV316H1 Laboratory and Field Methods in Environmental Science	25	1	70	September 1, 2019 to December 31, 2019 Lecture/Lab 1 – 5 pm Friday	This course focuses on methods of sampling and analyzing natural air, water and solid Earth materials for physical, chemical and biological properties that are relevant to current environmental issues. It will integrate approaches from chemistry, physics, earth sciences and biology, and cover techniques in field sampling, laboratory analyses and analyses of large environmental data sets. Basic concepts related to quality control will be emphasized throughout the course: sample collection and storage methods, calibration of field and lab instruments, analyses in complex matrices, errors (accuracy, precision), and detection limits.	University of Toronto graduate student in Chemistry who has completed at least one or more years of graduate study and who has demonstrated scholarly expertise in environmental analytical chemistry, including the analysis of environmental chemicals by chromatography, mass spectrometry or other instruments.	Duties include leading laboratory sessions, participating in field trips, grading lab reports, and general assistance.

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ENV320H1 National Environmental Policy	90	1	90	Jan 1, 2020 to April 30, 2020 Lecture 1 – 4 pm Friday	Examines ways in which governments develop and implement policy to protect the environment within their borders. Primarily Canada, plus comparisons with other countries. The focus is upon the politics of environmental policy making, which is understood by examining the interests and powers of the relevant state and non-state actors.	University of Toronto graduate student who has a demonstrated scholarly expertise in Environmental Studies, in particular in the Canadian political system and politics as they pertain to the environment.	Duties include grading assignments and tests/exams, and general assistance.
JGE321H1 Multicultural Perspectives on Environmental Management	60	1	60	Jan 1, 2020 – April 30, 2020 Lecture 10 – 12 Thursday	Diverse approaches to environmental issues from a variety of multicultural perspectives are introduced, compared and analyzed, using case studies. Perspectives on environmental management will be discussed as they emerge from contexts such as South America, Asia, or Africa.	University of Toronto graduate student who has completed one year of graduate study and who has a demonstrated scholarly expertise in Environmental Studies, including understanding of multicultural perspectives on environmental issues.	Duties include grading assignments and general assistance.
ENV322H1 International Environmental Policy	90	1	90	Sep 1, 2019 – Dec 31 st , 2019 Lecture 10 - 1 pm Wednesday	Examines the ways in which states negotiate and implement international agreements addressing global environmental issues, such as the United Nations Framework Convention on Climate Change. Focus is upon factors which determine the efficacy of multilateral environmental agreements and the prospects for stronger global environmental governance.	University of Toronto graduate student who has a demonstrated scholarly expertise in Environmental Studies, in particular knowledge of international relations, global governance, global environmental governance. Previous TA experience an asset.	Duties include grading assignments and tests/exams, and general assistance.
ENV323H1 Ontario Environmental Policy	60	1	60	Jan 1, 2020 – April 30, 2020 Lecture 10 – 12 Monday	Introduces students to public policy and institutional foundations of public policy in Canada, with an emphasis on environmental policy in Ontario. Provides an insiders perspective on how environmental policy has been developed in Ontario.	University of Toronto graduate student who has a demonstrated scholarly expertise in Environmental Studies, particularly with respect to public policy and institutional foundations of public policy in Canada, with an emphasis on environmental policy in Ontario.	Duties include grading assignments and general assistance
ENV333H1 Ecological Worldviews	120	1	120	Sep 1, 2019 – Dec 31 st , 2019 Lecture 9 – 11 am Thursday	Approaches to environmental concerns are often marked by assumptions that reflect distinct worldviews positing particular understandings of the role of the human with respect to nature. This course explores sundry economic, political, scientific, religious, and moral worldviews pertaining to the environment, including environmental ethics, Gaia, eco-feminism, scientific cosmology, and aboriginal perspectives.	University of Toronto graduate student who has completed one year of graduate study and who has a demonstrated scholarly expertise in Environmental Studies, including understanding of the worldviews pertaining to the environment, listed in the course description.	Duties include grading assignments and general assistance.

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ENV335H1 Environmental Design	90	1	115	Jan 1, 2020 – April 30, 2020 Lecture 12 – 1:30 pm Wednesday Practical 1:30 - 3 Wednesday	Environmental design, in the context of this course, refers to design strategies that account for the ability of supporting ecosystems to continue to meet human needs and those of other life forms without diminishing biological diversity or environmental quality. This course takes a hands-on approach to investigating several environmental design issues: climate-responsive design, energy consumption, health and comfort, natural lighting and ventilation, and water management. Students will build up a design of a net-zero carbon residential building through several instructive design exercises during the semester.	University of Toronto graduate student who has completed one year of graduate study and who has a demonstrated broad scholarly expertise in environmental design. Familiarity with some of the rudiments of building physics and architectural representation would be a benefit.	Duties include grading assignments, providing support in practicals, and general assistance.
ENV337H1 Human Interactions with the Environment	60	1	80	Jan 1, 2020 – April 30, 2020 Lecture 10 – 1 Monday Practicals 10 – 11 and 11 – 12 Wednesday	The impact of 7 billion people on the planet is enormous and challenges future generations. What are these impacts today and in future? What solutions and tools can avert societal collapse? Using an integrated and interdisciplinary systems approach, we explore problems and solutions to the earth's limits to growth.	University of Toronto graduate student pursuing a graduate degree in environmental science or closely related field, must possess strong data management and quantitative skills, familiarity with R (preferably) or other statistics software.	Duties include leading practicals, grading assignments, tests, and exams, and general assistance.
ENV341H1 Environment and Human Health	90	1	90	Sep 1, 2019 – Dec 31 st , 2019 Lecture 1 - 3 pm Wednesday	Examination of the linkages between human health and environment. Addresses basic principles and scientific knowledge relating to health and the environment and uses case studies to examine current environmental health issues from a health sciences perspective.	University of Toronto graduate student who has completed one year of graduate study and has a demonstrated scholarly expertise in Environmental Sciences, particularly in environmental health.	Duties include grading assignments and general assistance.
ENV347H1 The Power of Economic Ideas	90	1	90	Sep 1, 2019 – Dec 31 st , 2019 Lecture 10 – 12 Tuesday	This course examines the power of economic ideas in effecting environmental change. Topics include the relation of ecological economics to mainstream economics, as well as the role of financial incentives to move the environmental agenda forward.	University of Toronto graduate student who has a demonstrated scholarly expertise in Environmental Studies, in particular in the field of environmental economics.	Duties include grading assignments and general assistance.
ENV350H1 Energy Policy & the Environment	180	2	90	Sep 1, 2019 – Dec 31 st , 2019 Lecture 6 – 8 pm Monday	The course addresses: (1) physical, technological and economic aspects of energy and electricity systems and their associated environmental impacts; (2) current international, Canadian and Ontario energy policy; (3) technological, economic and political factors influencing policy which could significantly reduce environmental impacts of energy use.	University of Toronto graduate student who has completed one year of graduate study and who has a demonstrated scholarly expertise in Environmental Studies, particularly about the environmental issues associated with energy use, and how these can be addressed.	Duties include grading assignments and general assistance.

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ENV382H1 Special Topics Course: Waste Not, Want Not: Stories of Wastefulness in Religion & Society	40	1	40	Jan 1, 2020 – April 30, 2020 Lecture 12 – 2 pm Wednesday (may change to 10 am – 12 pm)	Do religions have environmental ethics? This course will explore religious approaches to environmental ethics within three Abrahamic faiths: Judaism, Christianity and Islam. Religious environmentalists have used teachings from the Hebrew Bible, New Testament and Quran as exemplars of sustainability. Others, however, claim that these texts teach domination, anthropocentrism and hierarchical values. Among other texts, this course will look at sources from the Hebrew Bible, New Testament, Talmud, Quran, Hadith, medieval commentaries and modern sources. We will study environmental movements within these faiths and how values are translated into lived religion. Our understanding will be augmented through field trips where we will explore how environmental teachings are being interpreted within faith communities.	University of Toronto graduate students who have completed one year of graduate study and who have a demonstrated scholarly expertise in one or more of the following areas: religion & environment, religion, environmental geography, environmental ethics, environmental sociology.	Duties include grading assignments and general assistance.
ENV422H1/ENV170 1H Environmental Law	65	1	65	Sep 1, 2019 – Dec 31st, 2019 Lecture 6:30 – 9:30 pm Tuesday	An introduction to environmental law for students in Environmental Studies; legal methods available to resolve environmental problems and the scope and limits of those methods; common law and statutory “tools” as well as environmental assessment legislation; the problem of “standing to sue” and the limits of litigation. This course gives students a basic understanding of regulatory policies in Canada governing the environment, natural resource use and allocation.	University of Toronto doctoral student who has completed one year of doctoral study and who has a demonstrated scholarly expertise in Environmental Studies, particularly as it relates to environmental law.	Duties include grading assignments and examinations, and general assistance.
ENV440H1 Professional Experience Course	50	1	50	Sep 1, 2019 – Dec 31st, 2019 Lecture 5 – 9 Thursday	Regular academic seminars complement off-campus work on an environmental project. The course enables students to gain practical experience of the needs and demands of professional environmental agencies. Students are given a choice of placements in a variety of sectors (such as government, NGOs, industry).	University of Toronto graduate students who have completed one year of graduate study and who have a demonstrated scholarly expertise in Environmental Studies, and its application to the world of work. In addition, previous work experience in the environmental field with different types of organizations is an asset.	Duties include grading assignments, meetings with the course instructor, and general assistance.

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ENV451H1 Current Environmental Topics	50	1	50	Sep 1, 2019 – Dec 31st, 2019 Lecture 10 – 1 Friday	This capstone course for the School's core programs will explore current environmental topics, with the goal of integrating the multi- and interdisciplinary strands of each student's learning to date.	University of Toronto graduate student who has a demonstrated broad scholarly expertise in Environmental Studies, including practical knowledge about a range of environmental issues.	Duties include grading assignments and general assistance.
ENV461H1/ENV1103H U of T Campus as a Living Lab of Sustainability	40	1	60	Sep 1, 2019 – Dec 31st, 2019 Lecture 2 – 4 Tuesday	Sustainability is a growing priority for universities all over the world. Many are developing strong operational sustainability goals and targets, and are giving increasing emphasis to teaching and research on sustainability issues. Yet few have committed at the executive level to integrating academic and operational sustainability in the context of treating their campus as a living laboratory of sustainable practice, research and teaching. Arguably, it is such living lab approaches that offer the largest potential for universities to play a significant role in the sustainability transition. This course will explore and apply the living lab concept, in the context of operational sustainability at the University of Toronto. We will begin by looking at the literature on university sustainability and the living lab concept. The bulk of the course will involve undertaking an applied research project on some aspect of campus sustainability, working in close partnership with operational staff at the University of Toronto. Students will develop the skills needed to work across disciplines and fields of study, and with non-academic partners. This course will put students to work on operational sustainability projects identified by the staff working in or with the Sustainability Office at the University of Toronto. Students will be organized into groups, each of which will be assigned one project, to be overseen by one or more U of T staff members. The bulk of the course will consist of regular meetings with the staff "clients", with instructors, and in small groups to undertake a group project. Each group will produce a mid-term and final report, and give a mid-term and final presentation. Each student will also submit two 360 reviews of the group process. A crucial aspect of this course is the ability of students to work collaboratively together in a group environment, and to work effectively with a university staff person acting as a "client" for their work. Students will be provided with a Handbook outlining information on working in groups and the focus of the class in the second week will be on this issue. The first 360 peer review will serve to provide information on how well each group is working. Students are encouraged to discuss and resolve group process issues in the weekly group meetings, and in their regular meetings with the instructor and TA. The second 360 review will occur at the end of the term. The results of the two 360 reviews will be used, where appropriate, to adjust individual marks from the group averages.	University of Toronto graduate students who have completed one year of graduate study and who have a demonstrated scholarly expertise in sustainability, and its application. In addition, previous work experience in the sustainability field with different types of organizations is an asset.	Duties include grading assignments, meetings with the course instructor, preparation for and supporting student group meetings in class, and general assistance.

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ENV462H1 Energy & Environment: Economics, Politics and Security	60	1	72	Jan 1, 2020 – April 30, 2020 Lecture 2 – 4 pm Tuesday Tutorial 4 – 5 pm Tuesday	This course examines a range of issues related to energy and the environment, with a particular focus on economics, politics and security. The course begins by suggesting 10 'big ideas' that are fundamental to understanding energy issues; these ideas form a thematic framework for course material. The course then covers energy markets – their successes and failures -- and outlines basic remedies for the latter. It discusses how energy security has shaped world politics in the 20th and 21st centuries. It then proceeds to analyze regulatory institutions, their design, efficiency and efficacy. The importance of resources and energy in shaping Canada's past, present and future is also covered.	University of Toronto graduate students who have completed one year of graduate study and who have a demonstrated scholarly expertise in one or more of the following areas: economics, political science, energy, environment, physics.	Duties include leading tutorial sessions, grading assignments and exams, holding office hours, and general assistance.

NOTES:

- 1.0 Department Standards and Policies are available in the Department office and in the CUPE, Local 3902 office
- 2.0 The position(s) posted above is (are) tentative, pending final course determinations, enrolments and available resources. Subsequent appointment obligations apply for TA positions at some of the courses listed above.
- 3.0 All positions include the completion of any grading not completed by Dec 31, 2019 for F courses and Apr 30, 2020 for S and Y courses
- 4.0 Effective January 1, 2019, the following rates apply: U/G - \$45.33/hr; SGSI - \$45.33/hr; SGSII - \$45.33/hr. Effective January 1, 2020, the following rates apply: U/G - \$46.24/hr; SGSI - \$46.24/hr; SGSII - \$46.24/hr. These rates do not include an additional 4% in vacation pay. *Please note that should rates stipulated in the collective agreement vary from rates stated in this posting, the rates stated in the collective agreement shall prevail.*

These jobs are posted in accordance with the CUPE 3902 Unit 1 Collective Agreement. The rate of pay is established by the Collective Agreement between the Canadian Union of Public Employees (CUPE), Local 3902, Unit 1 and the University of Toronto. The School of the Environment's hiring policy is available from the Business Officer, Laurane Harding, and at the CUPE office.

The University of Toronto is strongly committed to diversity within its community and especially welcomes applications from racialized persons / persons of colour, women, Indigenous / Aboriginal People of North America, persons with disabilities, LGBTQ persons, and others who may contribute to the further diversification of ideas.

Duties of these positions shall be performed at the campus on which the position is located. Where the duties are intended to be performed at another location, such other location will be specified in the posting.

If during the application and/or selection process you require accommodation due to a disability, please contact David Powell, at david.powell@utoronto.ca

Applicants must submit an application containing:

- (i) a cover letter, **explaining why they are qualified for the course(s) to which they are applying**, and
- (ii) a **résumé** (including academic and applied environmental experience).

Applicants **must merge these two documents into ONE single pdf or Word File**, and must include their surname and the course number in the filename.

Example: Smith_ENV100H1_TAapplication_Jun2019.pdf

Please submit your application by email to:

David Powell, Undergraduate Student Advisor & Placement Coordinator

33 Willcocks St. Room 1016V Toronto, ON M5S 3E8 Fax: 416-978-3884 Email: david.powell@utoronto.ca