

Posting – CUPE3902, Unit 1 Course Instructor Fall 2022

Date posted: July 20, 2022

Closing date: August 11, 2022

Campus: St. George

The Department of Ecology & Evolutionary Biology seeks one (1) Course Instructor for the following course:

EEB1310H1F – Philosophies and Methods (0.375FCE)

Course description: This course is recommended for students just starting an MSc or PhD, and for students in the second year of their PhD who have begun to nail down a thesis topic. This course will involve a combination of: (1) student-led discussions; (2) lectures designed to cover general and sometimes controversial scientific issues; and (3) short presentations by students introducing the background and context for their proposed research. The major assignment for the course is an essay that requires students to discuss their thesis research within the broader context (historical and contemporary) of their general research field.

The class will read about and discuss topics that include:

- human biases and their roles in science
- best practices and controversies about approaches to science and research tactics
- common errors in experimental design and statistical analysis (*note: some background in statistics is useful, but not required*)
- brief overviews of some novel statistical approaches
- ethics, science communication, publishing, and other issues that are important to researchers

Estimate of the course enrolment: 30

Estimate of TA support: 0 hours

Class schedule: Wednesdays 11:30am-2:45pm (with a 20 minute break)

Sessional dates of appointment: September 1, 2022 to December 31, 2022

Qualifications: Academic qualifications and suitability for this course is required, including familiarity with the majority of topics covered in the course (Bayesian statistics, GWAS, experimental design including sources of bias, power analysis, philosophy of science, scientific ethics, model selection, classic papers in ecology and/or evolution, and null models). Experience teaching/mentoring graduate students is required. A PhD ecology and/or evolution and postdoctoral experience in ecology/evolution is preferred. Prior experience teaching this or a similar university-level course is preferred.

Relevant Criterion: Past teaching experience is the more relevant criterion than the need to acquire experience in respect of these posted positions.

Description of the duties: Preparation for and attendance at all the course sessions. Read all of the assigned materials, attend the guest lectures, and facilitate discussion about the readings and lectures. Provide advice and feedback on all components of the assignments, and grade student participation in the small group discussions for 50% of the students; available for office hours; and grading of assignments for 50% of the students in accordance with University regulations as described in the Faculty of Arts & Science Academic Handbook. Remaining advice, feedback and grading to the other 50% of the students in the course will be performed by a faculty member.

Rate of Pay (0.375FCE): \$6,474.71 plus 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

Application process: Applicants should submit a cover letter and curriculum vitae via email to: Jenn English (jenn.english@utoronto.ca), Payroll Officer, Department of Ecology and Evolutionary Biology, University of Toronto, 25 Willcocks St., Toronto, Ontario, Canada M5S 3B2.

The University strives to be an equitable and inclusive community, and proactively seeks to increase diversity among its community members. Our values regarding equity and diversity are linked with our unwavering commitment to excellence in the pursuit of our academic mission. The University is committed to the principles of the Accessibility for Ontarians with Disabilities Act (AODA). As such, we strive to make our recruitment, assessment and selection processes as accessible as possible and provide accommodations as required for applicants with disabilities. If you require any accommodations at any point during the application and hiring process, please contact uoft.careers@utoronto.ca. During employment, to request accommodation from the University, contact the supervisor or EEB Graduate Office at helen.rodd@utoronto.ca and/or Health & Wellbeing Programs & Services at hwb@utoronto.ca. For more information about accommodations at U of T, please visit our Accommodation webpage.

In accordance with Article 16:03(A) the hiring criteria for teaching assistant positions are: academic qualifications, the need to acquire experience, previous experience, and for continuing students, previous satisfactory employment.

Candidates who are members of Indigenous, Black, racialized and LGBTQ2S+ communities, persons with disabilities, and other equity seeking groups are encouraged to apply, and their lived experience shall be taken into consideration as applicable to the position.

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, LGBTQ2S+ persons, and others who may contribute to the further diversification of ideas.

This job is posted in accordance with the CUPE 3902 Unit 1 Collective Agreement.

The positions posted above are tentative, pending final course determinations and enrolments.

Positions posted here are open to Graduate Students in the School of Graduate Studies, Postdoctoral Fellows and Undergraduate Students in the University of Toronto.

Preference in hiring shall be given to Graduate Students enrolled in the School of Graduate Studies of the

University of Toronto or those who have made application to be enrolled in the School of Graduate Studies of the University of Toronto.

Although a graduate student's preference as to the campus location of his/her TA appointment will be taken into account, both the initial TA appointment (or CI appointment) and the subsequent appointment obligation related to that appointment may be met through position(s) on any one of the three University of Toronto campuses (UTM, UTSC or St. George) in courses in the same discipline as the initial appointment. TAs will only be assigned to courses in fields in which they are or should be qualified to assist.

Duties of this position 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