

DEPARTMENT OF GEOGRAPHY, GEOMATICS AND ENVIRONMENT
2023 SUMMER ACADEMIC SESSION
UNIVERSITY OF TORONTO MISSISSAUGA
Unit 1 CUPE 3902
Regular Posting

POSTING DATE: March 14, 2023

CLOSING DATE: April 5, 2023

The following Course Instructor positions are available in the Department of Geography, Geomatics and Environment at the University of Toronto Mississauga for the 2023 Summer Academic Session. This is a **regular posting** in accordance with the Collective Agreement between the Governing Council of the University of Toronto and CUPE 3902 (Unit 1). To be considered for a position applicants must submit the attached CUPE application form as well as their CV of no more than 3 pages and course evaluations, by email to the Chair, Yuhong He geography.admin@utoronto.ca. This job is posted in accordance with the CUPE 3902 Unit 1 Collective Agreement. This position will require regular attendance at the UTM campus.

"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."

Salary: in accordance with the current CUPE 3902 Unit 1 Collective Agreement, the Course Instructor I rate of pay will be \$8,142.51 for a Half (F/S) course. Pay rate is exclusive of vacation pay.

Sessional Dates (including Exam periods): May 1 – June 30, 2023 for F courses; July 1 – August 31, 2023 for S courses.

Note: Course instructor positions involve completion of any course grading remaining incomplete at the end of the academic session excluding deferred exams.

Positions are tentative pending final course enrolments. **The mode of instruction for this course is scheduled to be in-person. However, if this changes for any reason, you will be provided with as much advance notice as practicable.**

All qualified applicants are encouraged to apply. If assistance is required during applying, hiring, or during the appointment, please contact geography.admin@utoronto.ca

Course Number/Title/Description	Class Schedule			Estimated Enrolments	Estimated T.A. Hours	Duties	Qualifications
	Section	Day	Time				
ENV201H5 F Environmental Management (SSc) Environmental management builds on topics discussed in ENV100 and GGR111/112, by focusing on conceptual frameworks and specific tools that can be used to formulate environmental management goals and support decision-making. Case studies will be used throughout to highlight different approaches, focusing primarily on Canadian examples. Topics include ecosystem and adaptive management, environment impact assessments, and the role of stakeholders.[24L, 9T]	LEC0101	Mondays & Wednesdays	9am – 11am	85	(will be subject to final enrollment figures)	All normal duties related to the design and teaching of a university credit course, including preparation and delivery of course content; development, administration and marking of assignments, tests and exams; calculation and submission of grades; holding regular office hours; supervising TA's assigned to course; order all necessary readings. The mode of instruction for this course is expected to be in-person. However, if this changes for any reason, you will be provided with as much advance notice as practicable.	Ph.D or PhD candidate in physical geography or related field with expertise in environmental and/or natural research policy. Previous experience teaching a similar course, and evidence of teaching excellence in the subject covered in the course would be an asset. Past teaching experience is the more relevant criterion than the need to acquire experience in respect of this posted position.
	TUT0101	Mondays & Wednesdays	11am -12pm	29			
	TUT0102	Mondays & Wednesdays	12pm – 1pm	28			
	TUT0103	Mondays & Wednesdays	1pm – 2pm	28			

Course Number/Title/Description	Class Schedule			Estimated Enrolments	Estimated T.A. Hours	Duties	Qualifications
	Section	Day	Time				
<u>GGR276H5 F Spatial Data Science I (Sci)</u> Introduction to the study of geographical phenomena using descriptive and inferential statistics. Fundamentals of geographic data and statistical problem solving using non-spatial and spatial descriptive statistics. Decision making using evidence gathered from inferential statistical analysis. Graphical summary, geographic visualization and mapping of analytical results. Application of state of the art software for statistical analysis. Provides background for future studies in geographic information systems and advanced statistical analysis. The course strikes a balance between developing an understanding of core non-spatial and spatial statistical concepts, while demonstrating technical proficiency in the application of software to the study of geographical questions.[24L, 12P]	LEC0101	Tuesdays & Thursdays	1pm – 3pm	60	(will be subject to final enrollment figures)	All normal duties related to the design and teaching of a university credit course, including preparation and delivery of course content; development, administration and marking of assignments, tests and exams; calculation and submission of grades; holding regular office hours; supervising TA's assigned to course; order all necessary readings. The mode of instruction for this course is expected to be in-person. However, if this changes for any reason, you will be provided with as much advance notice as practicable.	PhD or PhD candidate in Geomatics or a related field. Geographic Information Science. Proficient with spatial statistics, ArcGIS, R, and excel Demonstrated evidence of teaching excellence would be an asset. Previous experience teaching a similar course is highly desirable. Past teaching experience is the more relevant criterion than the need to acquire experience in respect of this posted position.
	PRA0101	Fridays	9am -11am	20			
	PRA0102	Fridays	11am -1pm	20			
	PRA0103	Fridays	1pm – 3pm	20			
<u>GGR278H5 F Geographical Information Systems (Sci)</u> Introduction to models of representation and management of geographical data for scientific analysis. Basic quantitative methods and techniques for geographic data analysis, including collection, manipulation, description and interpretation. Practical exercises using GIS and statistical software packages with examples drawn from both physical and human geography. [24L, 12P]	LEC0101	Mondays & Wednesdays	1pm -3pm	60	(will be subject to final enrollment figures)	All normal duties related to the design and teaching of a university credit course, including preparation and delivery of course content; development, administration and marking of assignments, tests and exams; calculation and submission of grades; holding regular office hours; supervising TA's assigned to course; order all necessary readings. The mode of instruction for this course is expected to be in-person. However, if this changes for any reason, you will be provided with as much advance notice as practicable.	PhD or PhD candidate in Geomatics or a related field. Proficient with ArcGIS Pro and other GIS software. Demonstrated evidence of teaching excellence would be an asset. Previous experience teaching a similar course is highly desirable. Past teaching experience is the more relevant criterion than the need to acquire experience in respect of this posted position.
	PRA0101	Thursdays	9am -11am	20			
	PRA0102	Thursdays	11am – 1pm	20			
	PRA0103	Thursdays	1pm – 3pm	20			
<u>GGR335H5 S Remote Sensing Applications (Sci)</u> The purpose of this course is to familiarize students with the various ways in which remote sensing images have been used for environmental applications among the sectors of government,	LEC0101	Mondays & Wednesdays	9am -11am	60	(will be subject to final enrollment figures)	All normal duties related to the design and teaching of a university credit course, including preparation and delivery of course content; development, administration and marking of assignments, tests and exams; calculation and submission	PhD or PhD candidate in Geomatics or a related field. Familiar with both basic and advanced image processing techniques. Proficient with ErDAS, ENVI, ArcMAP, ArcPro, and other open source
	PRA0101	Mondays & Wednesdays	11am – 1pm	30			

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	Section	Day	Time				
industry, and academia. A part of the course will be devoted to application projects employing remote sensing and spatial data analysis in natural resources and environmental assessments. [24L, 24P]	PRA0102	Mondays & Wednesdays	1pm -3pm	30		of grades; holding regular office hours; supervising TA's assigned to course; order all necessary readings. The mode of instruction for this course is expected to be in-person. However, if this changes for any reason, you will be provided with as much advance notice as practicable.	tools for image analysis Have experience leading students group projects. Demonstrated evidence of teaching excellence would be an asset. Previous experience teaching a similar course is highly desirable. Past teaching experience is the more relevant criterion than the need to acquire experience in respect of this posted 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.***
- ***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 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 department chair and/or Health & Wellbeing Programs & Services at hwb@utoronto.ca. For more information about accommodations at U of T, please visit our Accommodation webpage.***
- ***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.***
- ***The hiring criteria for Course Instructors positions are academic qualifications, the need to acquire experience, previous teaching experience and previous satisfactory employment under the provisions of this Collective Agreement.***

- *This job is posted in accordance with the CUPE 3902 Unit 1 Collective Agreement.*
- *Positions posted here are open to Graduate Students in the School of Graduate Studies, Postdoctoral Fellows and Undergraduate Students in the University of Toronto.*