Job Posting – Course Instructor Position  
Winter Term 2023 (January - April)  

The Civil & Mineral Engineering Department at the University of Toronto seeks at least one Course Instructor for the following course:  

CIV250H1S  Hydraulics and Hydrology  
The hydrologic processes of precipitation and snowmelt, evapotranspiration, ground water movement, and surface and subsurface runoff are examined. Water resources sustainability issues are discussed, including water usage and water shortages, climate change impacts, land use impacts, and source water protection. Conceptual models of the hydrologic cycle and basics of hydrologic modelling are developed, including precipitation estimation, infiltration and abstraction models, runoff hydrographs, the unit hydrograph method and the Rational method. Methods for statistical analysis of hydrologic data, concepts of risk and design, and hydrological consequences of climate change for design are introduced. Principles of open channel hydraulics are introduced. Energy and momentum principles are studied with application to channel transitions, critical flow, choked flow, and hydraulic jumps.

Qualifications  
A postgraduate degree in civil engineering is required. Previous teaching experience preferred.

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

Duties  
- Developing syllabus  
- Delivering three hours of lectures per week for the Winter 2023 term  
- Providing scheduled office hours for academic counselling of students  
- Setting assignments, midterms, and final exams  
- Supervising teaching assistants  
- Grading final examination papers

Estimate of TA Support: 224 hours  
Estimated Course Enrolment: 100 students  
Rate of Pay: $8,142.51 (excludes vacation pay)

Final availability of the position is contingent upon enrolment, budgetary consideration and the determination of appointments as governed by the collective agreement.

Application Process  
Applicants should submit a cover letter, C.V. (including previous teaching evaluations (if applicable)), by October 28, 2022. Applications should be sent to:

Professor Brent Sleep  
Chair, Department of Civil & Mineral Engineering  
University of Toronto  
35 St. George St., Toronto, Ontario M5S 1A4  
E-Mail: chair.civmin@utoronto.ca

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 accommodation 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 Heath & Wellbeing Programs & Services at hwb@utoronto.ca. For more information about accommodations at U of T, please visit our Accommodation webpage.

The hiring criteria for Course Instructors positions are academic qualifications, the need to acquire experience, previous teaching experience and previous satisfactory employment under the provision of this Collective Agreement.

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.

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

The position posted above is 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.**

**Posted October 19, 2022**