

## CUPE 4163 Specialist Instructional (TA) Postings - Spring 2026

Period of employment is **January 2 – April 30, 2026** Students **must be on campus** to fulfill TA responsibilities. **Total hours per position is 73.** The actual number of positions and/or hours is subject to funding availability and/or course enrolment or cancellation. Working hours per week can vary and the course instructor will provide guidance. Based on [University Policy No: HR6315 Specialist/Instructional Appointments](#), full-time students are normally limited to a maximum of 14 hours/week.

**Health and safety training provided by the Civil Engineering Tech Team** is a requirement of all graduate students who research and work in non-computational labs and as such, funding will not be offered for training if TAs have not already completed this requirement. Training will be provided prior to entry of labs. For **new TAs, two hours** of your appointment will be allocated to cover additional mandatory training.

Priority will be given to graduate students enrolled in the Civil Engineering department's PhD and MAsC programs, in accordance with the [CUPE Local 4163 \(Comp. 1 & 2\) Collective Agreement](#) (see Appendix A).

**Application Deadline: October 19, 2025 at midnight**

**Apply online at:** <https://www.surveymonkey.ca/r/MK7TWYT>

Course Information	Special Skills or Other Requirements	# of Positions
<b>CIVE 310</b> Environmental Engineering  Instructor: TBD	Ideal candidates preferably enrolled in an environmental/civil engineering program or related field and are preferably conducting experimental research (or demonstrate they have done so previously). Applicants must have knowledge and demonstrated experience of standard relevant laboratory techniques (i.e. beyond what is typically offered in course laboratories).  The position will require applicant to be able to conduct pipetting, titration with a burette, vacuum filtration, use of a convection oven/furnace, and use and calibration of instrumentation to measure dissolved oxygen, pH, turbidity, etc.  Applicants must be familiar with water/wastewater analyses such as suspended solids, Jar Testing, 5-Day BOD, and Chlorine Demand  Completion of WHIMIS training.	4
<b>CIVE 315</b> Environmental Policy  Instructor: M. McPherson	Ideal candidate will have similar experience or have taken a similar course  Position may include moderating tutorial debates and essay marking	3
<b>CIVE 345</b> Fluids Mechanics  Instructor: T. Troy	Ideal candidate will have similar experience or have taken a similar course	4
<b>CIVE 351</b> Sustainable Design of Steel and Timber Structures  Instructor: P. Mukhopadhyaya	Ideal candidate will have similar experience or have taken a similar course.	4
<b>CIVE 385</b> Geotechnical Engineering  Instructor: C. Lin	Ideal candidate will have similar experience and have taken a similar course; have in depth knowledge of geotechnical engineering; and will be able to support students in a project-based course.	4

<b>CIVE 410</b> Solid Waste and Air Pollution  Instructor: L. Minet	The ideal candidate will be familiar with the underlying concepts of solid waste and air pollution and will have experience designing and conducting measurement campaigns tailored to a specific environmental problematic.  Duties include managing air quality measurement equipment, supervising the course project as well as leading tutorials and marking assignments and exams.	1
<b>CIVE 412</b> Infrastructure Engineering for Indigenous Communities  Instructor: K. Porttriss	Ideal candidate will have interest and/or experience working with Indigenous communities and will have previously taken CIVE 412 or a similar course.	1
<b>CIVE 424</b> Building Science Case Studies  Instructor: G. Finch	Ideal candidate will have similar experience or have taken a similar course.	1
<b>CIVE 425</b> Advanced Concrete Design  Instructor: A. Shoaib	Ideal candidate will have similar experience or have taken a similar course.	1
<b>CIVE 444</b> Water and Sanitation for Low Resource Contexts  Instructor: K. Shaw	Ideal candidate will have taken CIVE 444 or a similar course. Relevant work experience will also be considered.	1
<b>CIVE 445</b> Groundwater Hydrology  Instructor: T. Gleeson	Ideal candidate will have experience with groundwater analysis and modeling.	1
<b>CIVE 448</b> Drinking Water Contaminants  Instructor: H. Buckley	Ideal candidate will have strong technical writing skills, and experience facilitating multi-disciplinary group discussions. Asset: background in chemistry.	1
<b>CIVE 452</b> Engineering for Earthquakes and Extreme Events  Instructor: T. Onur	Ideal candidate will have similar experience or have taken a similar course. Preference will be given to students who are familiar with the National Building Code of Canada.	1
<b>CIVE 453</b> Building Energy Simulation  Instructor: R. Evins	Ideal candidate will have experience in building performance simulation (i.e. EnergyPlus, Open Studio, Sketchup).	1
<b>CIVE 458</b> Timber Structures  Instructor: L. Zhou	Ideal candidate will have similar experience, have taken a similar course, or will currently be researching timber structures. TA must be willing to present a lecture on timber structures.	1
<b>CIVE 470</b> Case Studies in Construction  Instructor: V. Shao	Ideal candidate will have similar experience or have taken a similar course	1
<b>CIVE 485</b> Foundation Engineering  Instructor: C. Lin	Ideal candidate will have in depth knowledge of geotechnical and foundation engineering and be able to support students in a project-based course.	1