



CUPE 4163 Specialist Instructional (TA) Postings - Spring 2027

Period of employment is **January 2 – April 30, 2027** Students **must be on campus** to fulfill TA responsibilities. **Total hours per position is 73** and remuneration is **\$34.72/hour**. 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: November 1, 2026 at midnight

Apply online at: <https://www.surveymonkey.ca/r/KRJ8D97>

Course Information	Special Skills or Other Requirements	# of Positions
CIVE 310 Environmental Engineering Instructor: C. Dorea	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
CIVE 315 Environmental Policy Instructor: M. McPherson & F. Hassani	Ideal candidate will have similar experience or have taken a similar course Position may include moderating tutorial debates and essay marking	3
CIVE 345 Fluids Mechanics Instructor: TBD	Ideal candidate will have similar experience or have taken a similar course	4
CIVE 351 Sustainable Design of Steel and Timber Structures Instructor: P. Mukhopadhyaya	Ideal candidate will have similar experience or have taken a similar course.	4
CIVE 385 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

CIVE 402 CAPSTONE Design Project Instructor: P. Mukhopadhyaya	Experience with planning and organizing poster sessions, events and presentations. Experience with broad topics in Civil Engineering, liaising with industry sponsors and grading technical reports.	1
CIVE 410 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
CIVE 411 Resilient Smart Cities Instructor: D. Bristow	Ideal candidate will have similar experience or have taken a similar course	1
CIVE 412 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
CIVE 424/524 Building Science Case Studies Instructor: G. Finch	Ideal candidate will have similar experience or have taken a similar course and will be a PhD student who has completed all coursework and passed candidacy exams.	1
CIVE 425 Advanced Concrete Design Instructor: V. Shao	Ideal candidate will have similar experience or have taken a similar course.	1
CIVE 444 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
CIVE 445 Groundwater Hydrology Instructor: T. Gleeson	Ideal candidate will have experience with groundwater analysis and modeling.	1
CIVE 448 Drinking Water Contaminants Instructor: H. Buckley	Ideal candidate will have strong technical writing skills, experience facilitating multi-disciplinary group discussions, and familiarity with water treatment. Asset: background in chemistry.	1
CIVE 452 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
CIVE 453 Building Energy Simulation Instructor: TBD	Ideal candidate will have experience in building performance simulation (i.e. EnergyPlus, Open Studio, Sketchup).	1

CIVE 458/558 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. Ideal candidate will be a PhD student who has completed all coursework and passed candidacy exams.	1
CIVE 470 Case Studies in Construction Instructor: V. Shao	Ideal candidate will have similar experience or have taken a similar course. Strong written communication skills and the ability to apply grading rubrics consistently to qualitative and project-based work.	1
CIVE 485 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

MEng Industrial Ecology (INEC) Courses

Qualifications:

- **Doctoral (PhD) student** who has completed all coursework and passed candidacy exams
- Successfully completed the course (or a similar course)
- Experience in the subject area

Asset:

- Experience with Brightspace (asset)

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

How to apply: Complete the application survey at <https://www.surveymonkey.ca/r/KRJ8D97> (same link to apply to TA undergraduate courses) and email your CV to civeadmin@uvic.ca noting which graduate level courses you applied to.

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Course Information	Course Description / Additional Qualifications	# of Positions
CIVE 512 Industrial Symbiosis, Biomimicry and Green Chemistry Instructor: TBD	<u>Course Description:</u> Understanding and applying the principles of industrial symbiosis, biomimicry, and green chemistry to design challenges, including those in a local context, that focus on upcycling technical and natural resources and supporting a circular economy.	1
CIVE 513 Urban Metabolism and Sustainable Cities Instructor: L. Minet	<u>Course Description:</u> Urban metabolism and sustainable infrastructure development. Design of the built environment based on energy and material flows through cities. Sustainable transportation, green buildings, urban climatology, vegetation, water systems and energy supply in urban neighbourhood designs. Measuring urban metabolism to account for greenhouse gas emissions and other environmental impacts of cities. This is a research-based course and requires the students to write several assignments (reading reports, presentations, research paper). The TA will assist with sorting and providing feedback on	1

	assignments as well as leading some discussions with students. The TA must be a critical thinker and have a keen interest for the material. The TA must have excellent written communication skills.	
CIVE 516 Climate Strategy Instructor: TBD	<u>Course Description:</u> Develop and evaluate socio-technological strategies for deep decarbonization. Technological, economic, financial and institutional approaches to a low-carbon transition. PhD students who have experience relating to any of the following course learning objectives will be considered for the position: 1. Examine and assess national and sub-national climate action plans. 2. Develop and evaluate socio-technological strategies for deep decarbonization, recognizing local contexts of energy and agricultural resources. 3. Discuss economic, financial, and institutional aspects of a low-carbon transition, recognizing the roles and responsibilities of different actors.	1