



**SMITH
ENGINEERING**
Queen's University

**Civil
Engineering**

DEPARTMENT OF CIVIL ENGINEERING
STEPHEN J.R. SMITH FACULTY OF ENGINEERING AND APPLIED SCIENCE
TEACHING FELLOW POSITION AVAILABLE

CIVL 250 HYDRAULICS I
Academic Year 2024/25

Posting Date: October 15, 2024
Closing Date: October 25, 2024
Start date: January 1, 2025 and end date: April 30, 2025
1 position/1 section per course available

The Department of Civil Engineering in the Stephen J.R. Smith Faculty of Engineering and Applied Science at Queen's University invites applications from suitably qualified candidates interested in teaching the following undergraduate course in the 2024-25 session.

Qualifications:

Minimum of one year's study at the level of M.A.Sc. (or equivalent research or industry design experience). Previous educational background and/or experience must be suited to teaching the course described below. Candidates must have excellent communication and presentation skills, as well as be capable of working as a member of a teaching team. Registration as a Professional Engineer, or eligibility to acquire registration in Canada, is an essential qualification. Prior teaching experience in project-based engineering courses and lecture-based engineering courses would be an asset. Open to Graduate Students only.

Teaching Requirement:

CIVL 250 Hydraulics I W | Units: 4

Lecture: 3

Lab: 0.5

Tutorial: 0.5

Fluid properties, fluid statics, basic equations of fluid flow: Continuity, Momentum, Euler's Equation of Motion, Linear Momentum Equation and Bernoulli's Equation. Flow of real fluid in closed conduits: friction losses and local energy losses. Pipeline flows in engineering practice. PPE will be required for this course at student's cost (see course materials for details)

Requirements: Prerequisites: [APSC 172](#), [APSC 174](#) Corequisites: Exclusions:

Offering Term: Winter

CEAB Units:

Mathematics 0

Natural Sciences 4

Complementary Studies 0
Engineering Science 22
Engineering Design 22
Offering Faculty: Smith Engineering

Definitions: Program and Course Symbols and Codes can be found [here](#).

The above advertised course will be taught on campus. Enrolment is expected to be approximately 90 students in CIVL 250. The successful applicant will have 100 percent responsibility for this course. Winter term classes begin January 6, 2025 and end April 4, 2025 while the examination period ends on April 23, 2025. Instructors will be responsible for tracking CEAB indicators. Guidance on this process will be provided.

COVID 19 On-Campus Requirements

Prior to May 1, 2022, the University required all students, faculty, staff, and visitors (including contractors) to declare their COVID-19 vaccination status and provide proof that they were fully vaccinated or had an approved accommodation to engage in in-person University activities. These requirements were suspended effective May 1, 2022, but the University may reinstate them at any point.

The University invites applications from all qualified individuals. Queen's is strongly committed to employment equity, diversity, and inclusion in the workplace and encourages applications from Black, racialized/visible minority and Indigenous people, women, persons with disabilities, and 2SLGBTQ+ persons. All qualified candidates are encouraged to apply; however, in accordance with Canadian immigration requirements, Canadian citizens and permanent residents of Canada will be given priority. Applications from all qualified candidates will be considered in the applicant pool. In order to support your employment at Queen's, we require you to indicate whether or not you will need a work permit.

Teaching Fellows at Queen's University are governed by the Collective Agreement for Teaching Assistants and Teaching Fellows between PSAC Local 901 and Queen's University. Remuneration will be in accordance with the Collective Agreement, and appointments are subject to funding or enrolment criteria.

<https://www.queensu.ca/facultyrelations/psac%20901-1/collective-agreements/MoAs/LoUs>

The University will provide support in its recruitment processes to applicants with disabilities, including accommodation that takes into account an applicant's accessibility needs. If you require accommodation during the interview process, please contact: Sandra Martin at sandra.martin@queensu.ca; 613-533-6000 ext. 74226.

Applications should include a complete and current curriculum vitae, a copy of your transcript(s); a statement of teaching experience, the names and contact details of two referees who may be contacted, and any other relevant materials the candidate wishes to submit for consideration. Applications can be submitted to the Civil Engineering Appointments Committee at the address below, or by e-mail to Sandra Martin, sandra.martin@queensu.ca. Applications should arrive no later than October 25, 2024.

Civil Engineering Appointments Committee
c/o S. Martin
Department of Civil Engineering, Ellis Hall
58 University Avenue, Room 241
Queen's University, Kingston, Ontario K7L 3N6