



DEPARTMENT OF CIVIL ENGINEERING
FACULTY OF ENGINEERING AND APPLIED SCIENCE
CIVL 372 Water and Wastewater Engineering W | 4
TEACHING FELLOW POSITION AVAILABLE
Academic Year 2018/19

Posting Date: June 1, 2018

Closing Date: June 14, 2018

Start date: January 1, 2019 and end date: April 30, 2019

1 position/1 section available

The Department of Civil Engineering in the Faculty of Engineering and Applied Science at Queen's University invites applications from suitably qualified candidates interested in developing and teaching **the following undergraduate course** in the 2018-19 session.

Qualifications:

Minimum of one year's study at the level of MASC (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, and 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.

Teaching Requirement:

CIVL 372 Water and Wastewater Engineering W | 4

Lecture: 3

Lab: 1

Tutorial: 0

This course introduces general concepts of water/wastewater engineering for the protection of human and ecosystem health, and focuses on the fundamental design and operation of unit operations and processes for provision of safe drinking water and the treatment and disposal of wastewaters and accumulated solids to meet source water protection regulations and requirements. Topics include water quality problems; reactors and reactions; the quality of water supplies and the characteristics of wastewater; the chemical, physical and/or biological treatment of drinking water and wastewater; and biosolids stabilization and management. Alternative and innovative urban water management strategies will be discussed and emerging issues for water managers will be introduced. The laboratories will illustrate standard and advanced analytical methods and data analysis for design of some of these systems. PPE will be required for this course at the student's cost.

Academic Units:

Mathematics 0

Natural Sciences 12

Complementary Studies 0

Engineering Science 20

Engineering Design 16

Definitions:

Program and Course Symbols and Codes can be found at

<http://calendar.engineering.queensu.ca/content.php?catoid=6&navoid=155>

The above advertised course will be taught on campus. Enrolment is expected to be around 115 students in **CIVL 372**. The successful applicant will have **50 percent** responsibility for this course, divided in development and delivering of the course. Winter term classes begin January 7, 2019 and end April 5, 2019 while the examination period ends on April 27, 2019.

The University invites applications from all qualified individuals. Queen's is committed to employment equity and diversity in the workplace and welcomes applications from women, visible minorities, Aboriginal people, persons with disabilities, and LGBTQ persons. All qualified candidates are encouraged to apply; however, Canadians and permanent residents of Canada will be given priority.

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.

<http://queensu.ca/facultyrelations/teaching-assistants-and-fellows/collective-agreement>.

To comply with Federal laws, the University is obliged to gather statistical information about how many applicants for each job vacancy are Canadian citizens/ permanent residents of Canada. Applicants need not identify their country of origin or citizenship, however, all applications must include one of the following statements: I am a Canadian citizen/permanent resident of Canada; OR, I am not a Canadian citizen/permanent resident of Canada. Applications that do not include this information will be deemed incomplete.

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: Susan Palo susan.palo@queensu.ca; 613-533-6000 ex: 74228.

Applications should include a complete and current curriculum vitae, 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 Susan Palo, susan.palo@queensu.ca.

Applications should arrive no later than **June 14, 2018**.

Civil Engineering Appointments Committee
c/o S. Palo
Department of Civil Engineering, Ellis Hall
58 University Avenue
Queen's University
Tel. 613 533-2122
Fax. 613 533-2128